P-W

KERR-McGEE OIL FEE
SW SE 33-20N-26E APACHE CO. 10

COUNTY Apache Field Pinta Dome LEASE NO. Hortenstine-Macie Fee

WELL NAME Kerr-McGee Oil Industries, Inc. #1 Fee

LOCATION SW SE SEC 33 TWP 20N RANGE 26E FOOTAGE 330' FSL 2310' FEL

ELEV 5743' GR _____ KB SPUD DATE 5-16-51? STATUS Ha P COMP. DATE 10-27-56 TOTAL DEPTH 2517' 1222 PB

CONTRACTOR

CASING SIZE	DEPTH	CEMENT	LINER SIZE & DEPTH
10 3/4"	118'	60 sx	
7	1260'	275 sx	

DRILLED BY ROTARY x

DRILLED BY CABLE TOOL

PRODUCTIVE RESERVOIR 950-1150- Coconin

INITIAL PRODUCTION 216 MCF Helium
480 MCF AOF

FORMATION TOPS	DEPTHS	SOURCE L.L.	SOURCE E.L.	REMARKS

OPERATIONS AND COMPLETION ASSUMED BY KERR-MCGEE APPROX 10-17-56?

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS
Radio-Activity		
GRN		

~~(not in file)~~

SAMPLE LOG Am Strat

SAMPLE DESCRP.

SAMPLE NO. T 212, P-1663

CORE ANALYSIS

DSTs

REMARKS Permit originall (producing well) filed by Kipling Pet. Company. The well is referred to by various names in the file: ~~Hortenstine Macie #2, Apache Oil & Helium Lease-Macie #2, KIPLING~~ Well, Colgrove-Hortenstine, KerrMcGee Fee #1, etc.

APP. TO PLUG x

PLUGGING REP. ✓

COMP. REPORT x

WATER WELL ACCEPTED BY

BOND CO. Firemens Ins. Co. BOND NO. 188 98 10-528

BOND AMT. $ 25,000 CANCELLED DATE ORGANIZATION REPORT 6-27-69

FILING RECEIPT none LOC. PLAT x WELL BOOK x PLAT BOOK x

API NO. 02-001-05335 DATE ISSUED 5-15-62 DEDICATION All

PERMIT NUMBER 10

(over)

PLUGGING RECORD

Operator	Address
Kerr-McGee Corporation	P. O. Box 250, Amarillo, TX 79105

Federal, State, or Indian Lease Number, or lessor's name if fee lease.	Well No.	Field & Reservoir
Fee	1	PINTA DOME/Coconino Sand

Location of Well	Sec-Twp-Rge or Block & Survey	County
SW-SW-SE, Section 33, Twp 20N, Rge 26E		Apache

Application to drill this well was filed in name of	Has this well ever produced oil or gas	Character of well at completion (initial production): Oil (bbls/day)	Gas (MCF/day)	Dry?
Apache Oil & Helium Co.	Yes-Helium	N/A		

Date plugged:	Total depth	Amount well producing when plugged: Oil (bbls/day)	Gas (MCF/day)	Water (bbls/day)
4/13/77	2500'	0	216	0

Name of each formation containing oil or gas. Indicate which formation open to wellbore at time of plugging	Fluid content of each formation	Depth interval of each formation	Size, kind & depth of plugs used Indicate zones squeeze cemented, giving amount cement
N/A			

CASING RECORD

Size pipe	Put in well (ft.)	Pulled out (ft.)	Left in well (ft.)	Give depth and method of parting casing (shot, ripped, etc.)	Packers and shoes
10 3/4"	118'	0	118'	---	EZSV Retainer at 898'
7 "	1253'	0	1253'	---	-------

Was well filled with mud-laden fluid, according to regulations?	Indicate deepest formation containing fresh water.
Yes	

NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE

Name	Address	Direction from this well:
Kerr-McGee Corporation	P. O. Box 250, Amarillo, TX 79105	All

In addition to other information required on this form, if this well was plugged back for use as a fresh water well, give all pertinent details of plugging operations to base of fresh water sand, perforated interval to fresh water sand, name and address of surface owner, and attach letter from surface owner authorizing completion of this well as a water well and agreeing to assume full liability for any subsequent plugging which might be required.

Well P & A by setting 7" EZSV Cement retainer at 898' with 80 sxs. Class "B" Cement pumped below retainer and 184 sxs. Class "B" Cement from retainer to surface.

Use reverse side for additional detail.

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Engineering Assistant of the Kerr-McGee Corporation (company) and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

April 22, 1977
Date

Lynn Kelley
Signature

Lynn Kelley

APR 25 1977

O & G CONS. COMM.

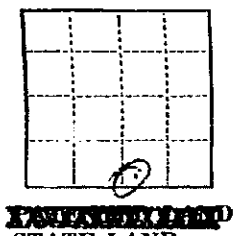
Permit No. 10

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Plugging Record
File One Copy

Form No. 10

32 x

Form 9-593a
(September 1944)



[redacted]
STATE LAND

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
CONSERVATION DIVISION

INDIVIDUAL WELL RECORD

Section 33
T. 20 N
R. 26 E
G. & S. R. B. & M. Mer.

Date February 5, 1957

Reference No. 2

State Arizona

Lessee or owner Navajo

County Apache

Field Wildcat

Operator Kerr-McGee

District Farmington

Well No 2

Subdivision SW¼ SW¼ SW¼

Location 330 feet from south and 2310 feet from east lines of sec. 33

Drilling approved ....., 19..

Drilling commenced May 16, 19 51

Drilling ceased ....., 19..

Completed for production ....., 19..

Abandonment approved ....., 19..

Well elevation 5740 (gl) feet.

Total depth 2517 feet.

Initial production

Gravity A. P. I.

Initial R. P.

Geologic Formations		Productive Horizons		
Surface	*Lowest tested*	*Name*	*Depths*	*Contents*

WELL STATUS

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1951					Drg.							DSI
1956									Drg			

REMARKS Original operator: C. W. Colgrove
7" cemented @ 1260 feet. Estimated flow (Dec. 1956):
2000 MCFPD; 8% helium, 89% nitrogen; 3% CO_2

U. S. GOVERNMENT PRINTING OFFICE 16—41900-2

26 10

15

STATE LAND DEPARTMENT
STATE OF ARIZONA

Form O & G 52

Form Prescribed Under Oil and Gas Conservation Act of 1951
WELL COMPLETION REPORT
(File in Duplicate)

SEE ATTACHED LETTER

Operator Kerr-McGee Oil Ind., Inc. Field Wildcat
Street P.O. Box 337 Pool
City Sunray State Texas County
Lease Name Macie Well No. 2 Acres in Unit 640
Location Apache County, Arizona
SW-SW-SE Sec. 33 Twp. 20N Rge. 26E
Elevation DF GR 5743' Electric Log Run Gamma Ray, Neutron 9-15-1956
Number of Crude Oil Producing Wells on this Lease, including this well
Has Authorization to Transport Oil or Gas from Well, Form O&G 57 been Filed?

NO OFFICIAL COMPLETION GAUGE - Shut in Gas Well

Date Test Commenced 19 Hour M. Date Test Completed 19 Hour M
Length of Test Hours Minutes

For Flowing Well:
Flowing pressure on Tbg. lbs./sq.in.
Flowing pressure on csg. lbs./sq.in.
Size tbg. in. No. ft. run
Size choke in. Type choke
Length in. Shut in pressure 99.1

For Pumping Well:
Length of stroke used inches
Number of strokes per min.
Size of working barrel inches
Size tubing. in. No. ft. run

If flowing well, was this well flowed for the entire duration of this test without the use of swab or other artificial flow device? If jetted, used cu. ft. gas per bbl. oil. Result of this test (bbls. net oil per 24 hrs.) (100% tank tables.)
Gas-oil ratio of this well is cu. ft. of gas per bbl. of oil.
Per cent water produced during this test.
Gravity of oil produced during this test (Corrected to A. P. I. 60° F)
Name of Pipe Line or other carrier
If perforated: No. Shots 96 From 956' To 980' Date Perforated 10-21-56
Date well Spudded May 1951, Date Well Completed 27 October 19 56
Top Pay 956 Ft. Total depth of well 1222 Ft.P.B.

CASING LINER AND TUBING RECORD

String	Size	Wt./Ft.	Name and Type	Amount Ft.	Amount In.	Depth Set at	Perforated From	Perforated To
Surface	10 3/4	32#	Lapweld	118		118		
Production	7"	20#	H-40	1253		1260	956'	980'

CEMENT AND TESTING RECORD

Size of Hole	String	Where Cement Placed	No. Sacks of Cement	Method Used	Pressure Applied in Testing	Hardness of Cement Drilled	Type of Cement
13"	10 3/4"	Circulated	60				
8 3/4"	7"	380 to bottom	275	Double plug	500#	Good	Common

CHEMICAL OR SHOOTING RECORD BEFORE COMPLETION

Size	Chemical or	Quantity	Date	Depth From	Depth to
10 gal.	Free flow with	1000 gal. diesel	10-24-56	956'	980'

AFFIDAVIT

I, Otto C. Barton, being first duly sworn on oath state that I have knowledge of the facts and matter herein set forth and that the same are true and correct.

Otto C Barton
Representative of Company

Subscribed and sworn to before me this 17 day of November 19 56
Moore County, ~~XXXX~~ Texas
My Commission expires: 6-1-56

Mickey Little
Notary Public

10

10 3/4" Circulated 7"

APPLICATION TO ABANDON AND PLUG

FIELD Pinta Dome

OPERATOR Kerr-McGee Corporation ADDRESS P. O. Box 250, Amarillo, TX 79105

Federal, State, or Indian Lease Number
or Lessor's Name if Fee Lease Fee WELL NO. 1

SURVEY T-20N, R-26E SECTION 33 COUNTY Apache

LOCATION

TYPE OF WELL Gas (Helium) (Oil, Gas or Dry Hole) TOTAL DEPTH 1600'

ALLOWABLE (If Assigned) None

LAST PRODUCTION TEST OIL 0 (Bbls.) WATER (Bbls.)

GAS 1 (MCF) DATE OF TEST 11-75

PRODUCING HORIZON Coconino Sand PRODUCING FROM 956' TO 1000'

1. COMPLETE CASING RECORD

Surface - 10-3/4" 32#, set at 118' & cemented to surface w/60 sx Common Cement.

Production - 7" 20# H-40, set at 1260' & cemented w/250 sx Common Cement.

Top of cement at 380'.

PBTD 1222'.

2. FULL DETAILS OF PROPOSED PLAN OF WORK

1. Set cement retainer at 900'. Squeeze 80 sx cement below retainer.
2. Equalize 50 sx cement from 900' to 700'.
3. Pull tubing.
4. Fill casing to surface with cement (187 sx).
5. Erect marker of 4" pipe per Rule 202-A7.

If well is to be abandoned, does proposed work conform with requirements of Rule 202? yes. If not, outline proposed procedure above.

DATE COMMENCING OPERATIONS Upon approval.

NAME OF PERSON DOING WORK ADDRESS

CORRESPONDENCE SHOULD BE SENT TO

Name: C. J. Breeden C J Breeden

Title: District Manager

Address: P. O. Box 250, Amarillo, TX 79105

Date: March 1, 1977

Date Approved 3-7-77

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION

By: W. E. [illegible]

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Application to Abandon and Plug
File Two Copies

Form No. 9

Permit No. 10

32 × [illegible]

GAS WELL OPEN FLOW POTENTIAL TEST REPORT

4-POINT TEST

Test: Initial ☐ Annual ☒ Special ☐

Field	Reservoir	Test Date
Pinta Dome	Coconino Sand	9-20-67

Operator	Lease	Well No.
Kerr-McGee Corporation	Fee	1

County	Location	Completion Date	Total Depth	T/Pay	Producing Interval
Apache	SW - SW - SE Section 33, 20N, 26E	10-27-56	1222'PB	956'	952'-1000'

Producing Thru TBG.	CSG.	Reservoir Temperature °F	Wellhead Temperature °F	CSG. Size	Wt/Ft.	I.D.	Set @
	X		84	7	20	6.456	1253' GL

TBG. Size	Wt/Ft.	O.D.	I.D.	Set @	Gas Gravity (Separator)	Avg. Pred. Length (L)	GL	Gas-Liquid Hydrocarbon Ratio MCF per Bbl.	Gravity of Liquid (API)
					0.905	976	883		

Pipeline Connection	Type Taps
Kerr-McGee Corporation	Flange
Multiple Completion (Dual or Triple)	Type production from each zone

OBSERVED DATA
Flow Data

No.	Time of Flow Hours	(Prover) (Line) Size	(Orifice) Size	Press. psig	Diff. h_w	Tubing Press. psig	Casing Press. psig	Flowing Temp. °F
				Roots	Roots			
SI	1 3/4			Roots PSIG			66.5	
1.	1	4	1½	4.71 43.6	1.50		57.6	73.5
2.	2 1/3	4	1½	4.62 41.8	2.50		52.5	80.0
3.	1	4	1½	4.63 40.4	3.23		48.6	83.3
4.	1	4	1½	4.62 41.6	3.72		47.0	84.2

FLOW CALCULATIONS

No.	Coefficient (24 Hr.)	$\sqrt{h_w p_m}$	Pressure psia	Flow Temp. Factor F_t	Gravity Factor F_g	Compress. Factor F_{pv}	Rate of Flow Q MCF/D
					In coefficient		
1.	12.742	7.06	55.4	0.9872		1.000	88.8
2.	12.742	11.55	53.6	0.9813		1.000	144.4
3.	12.742	14.95	52.2	0.9783		1.000	186.4
4.	12.742	17.19	53.4	0.9775		1.000	214.1

P_c = 78.3 psia P_c^2=6.131 PRESSURE CALCULATIONS F_c = .4430 ; $1-e^{-s}$=.0623

	P_w/P_t (psia)	P_t^2	F_cQ	$(F_cQ)^2$	$(F_cQ)^2 \times 1-e^{-s}$	P_w^2	$P_c^2 - P_w^2$	Cal. P_w	P_w/P_c
1.		4.816	.039	.0015	.0001	4.816	1.315	69.4	.8863
2.		4.134	.064	.0041	.0003	4.134	1.997	64.3	.8212
3.		3.648	.083	.0069	.0004	3.648	2.483	60.4	.7714
4.		3.457	.095	.0090	.0006	3.458	2.673	58.8	.7510

Absolute Potential: 560 MCF/D n: 1.192

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Engineer of the Kerr-McGee Corp. (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

RECEIVED OCT 11 1967 STATE O & G CONS. COMM.

Signature: E. C. Beisel, Jr.

STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION
Gas Well Open Flow Potential Test Report (4-Point Test)
Form No. 18 File two copies
Effective _____, 19____

12

INSTRUCTIONS

This form is to be used for reporting multi-point back pressure tests on gas wells in the State, except those on which special orders are applicable.

The log log paper used for plotting the back pressure curve shall be of at least three inch cycles.

NOMENCLATURE

Q =Actual rate of flow at end of flow period at W. H. working pressure (P_w). MCF/da. @ 15.025 psia and 60°F.

P_c =72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia

P_w =Static wellhead working pressure as determined at the end of flow period. (Casing if flowing thru tubing, tubing if flowing thru casing). psia

P_t =Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia

P_m =Meter pressure, psia

h_w =Differential meter pressure, inches water

F_g =Gravity correction factor

F_t =Flowing temperature correction factor

F_{pv} =Supercompressability factor

n =Slope of back pressure curve

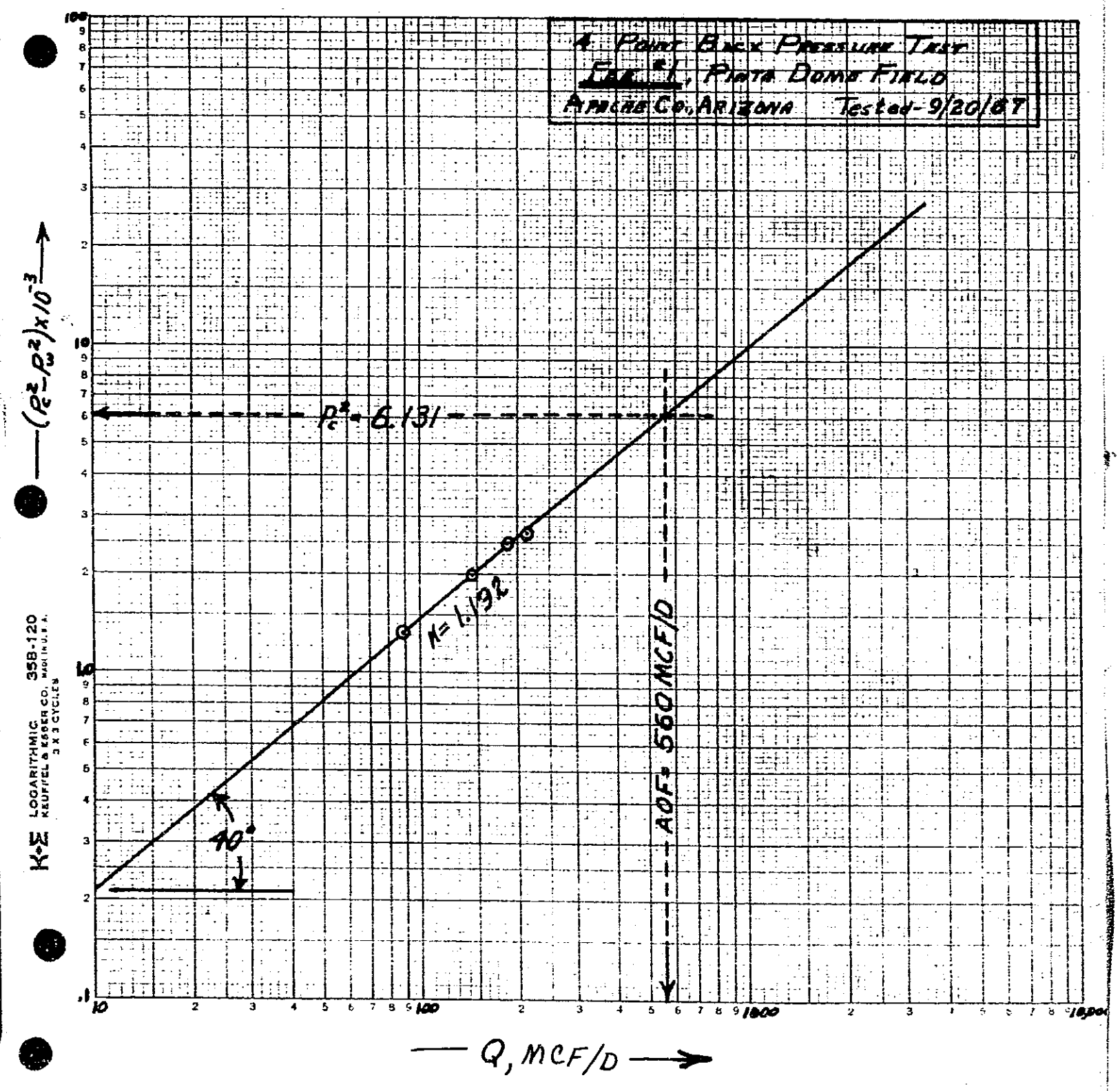
GL =G_{mix} times average producing length of flow string

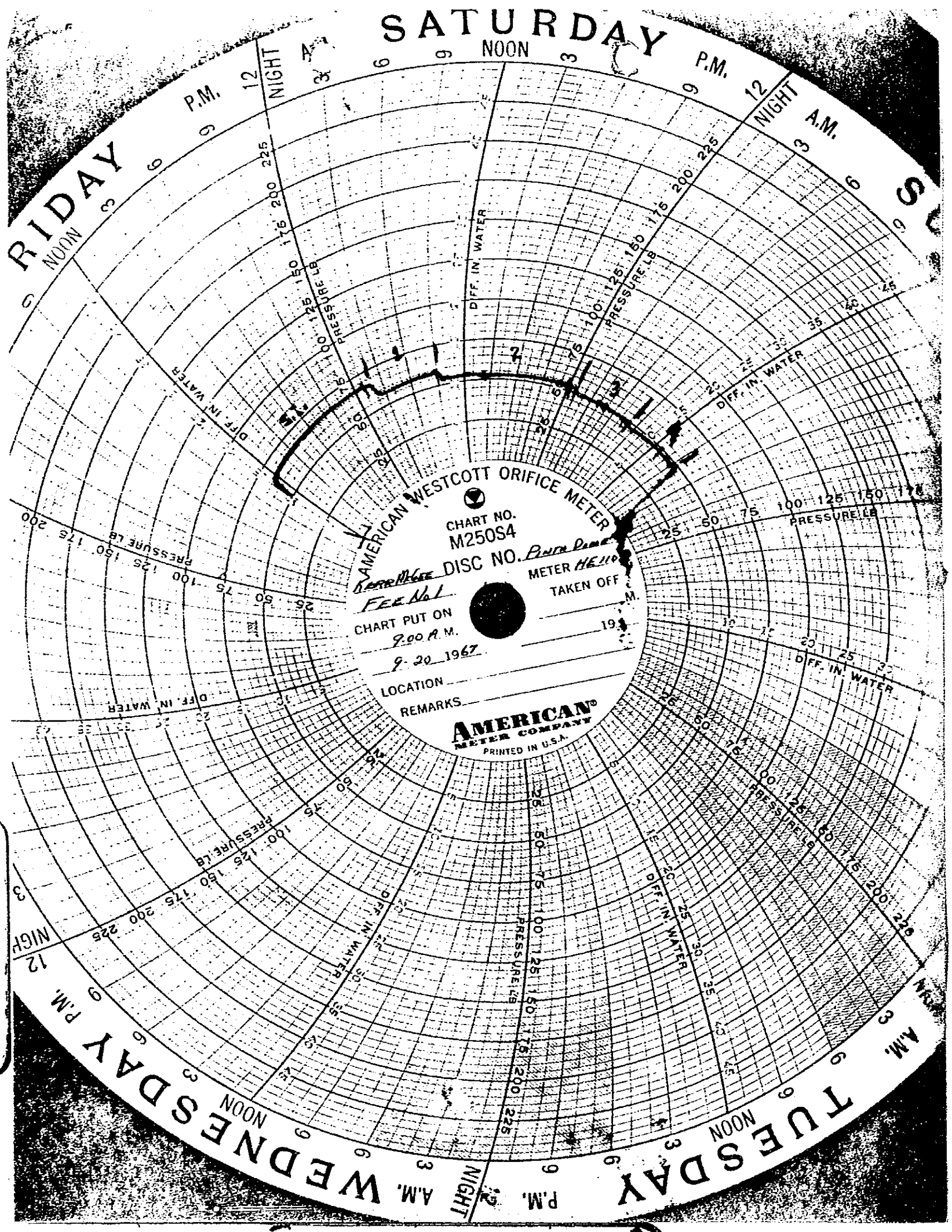
Note: If P_w cannot be taken because of manner of completion or condition of well, then P_w must be calculated by adding the pressure drop due to friction within the flow string to P_t

F_c Q and $1 - e^{-s}$ are factors utilized in calculating the pressure drop due to friction.

Form No. G-1

32 ×


4 Point Back Pressure Test
Well #1, Plata Dome Field
Apache Co., Arizona Tested-9/20/67
$p_c^2 = 6.131$
n = 1.192
AOF = 560 MCF/D
10°
$(p_c^2 - p_w^2) \times 10^{-3}$
Q, MCF/D
K+E LOGARITHMIC 358-120
KEUFFEL & ESSER CO. MADE IN U.S.A.
3 X 3 CYCLES


SATURDAY
NOON
P.M.
NIGHT
A.M.
FRIDAY
SUNDAY
TUESDAY
WEDNESDAY
DIFF. IN WATER
PRESSURE LB
AMERICAN WESTCOTT ORIFICE METER
CHART NO.
M250S4
DISC NO.
METER
TAKEN OFF
CHART PUT ON
9:00 A.M.
9-20 1967
LOCATION
REMARKS
AMERICAN
METER COMPANY
PRINTED IN U.S.A.

GAS WELL OPEN FLOW POTENTIAL TEST REPORT

4-POINT TEST

Test: Initial ☐ Annual ☒ Special ☐

Field	Reservoir	Test Date
Pinta Dome	Coconino Sand	9-20-67

Operator	Lease	Well No.
Kerr-McGee Corporation	Fee	1

County	Location	Completion Date	Total Depth	T/Pay	Producing Interval
Apache	SW - SW - SE Section 33, 20N, 26E	10-27-56	1222'PB	956'	952'-1000'

Producing Thru TBG.	CSG.	Reservoir Temperature °F	Wellhead Temperature °F	CSG. Size	Wt/Ft.	I.D.	Set @
	X		84	7	20	6.456	1253' GL

TBG. Size	Wt/Ft.	O.D.	I.D.	Set @	Gas Gravity (Separator)	Avg. Prod. Length (L)	GL	Gas-Liquid Hydrocarbon Ratio MCF per Bbl.	Gravity of Liquid (API)
					0.905	976	883		

Pipeline Connection	Type Taps
Kerr-McGee Corporation	Flange
Multiple Completion (Dual or Triple)	Type production from each zone

OBSERVED DATA

Flow Data

No.	Time of Flow Hours	(~~Prover~~) (Line) Size	~~XXXX~~ (Orifice) Size	Press. Roots psig		Diff. h_w Roots	Tubing Press. psig	Casing Press. psig	Flowing Temp. °F
SI	1 3/4			Roots PSIG				66.5	
1.	1	4	$1\frac{1}{2}$	4.71	43.6	1.50		57.6	73.5
2.	2 1/3	4	$1\frac{1}{2}$	4.62	41.8	2.50		52.5	80.0
3.	1	4	$1\frac{1}{2}$	4.63	40.4	3.23		48.6	83.3
4.	1	4	$1\frac{1}{2}$	4.62	41.6	3.72		47.0	84.2

FLOW CALCULATIONS

No.	Coefficient (24 Hr.)	$\sqrt{h_w p_m}$	Pressure psia	Flow Temp. Factor F_t	Gravity Factor F_g	Compress. Factor F_{pv}	Rate of Flow Q MCF/D
					In coefficient		
1.	12.742	7.06	55.4	0.9872		1.000	88.8
2.	12.742	11.55	53.6	0.9813		1.000	144.4
3.	12.742	14.95	52.2	0.9783		1.000	186.4
4.	12.742	17.19	53.4	0.9775		1.000	214.1

P_c = 78.3 psia P_c^2=6.131

PRESSURE CALCULATIONS

F_c = .4430 ; $1-e^{-s}$=.0623

	$\frac{P_w}{P_t}$ (psia)	P_t^2	$F_c Q$	$(F_c Q)^2$	$(F_c Q)^2 \times 1-e^{-s}$	P_w^2	$P_c^2 - P_w^2$	Cal. P_w	$\frac{P_w}{P_c}$
1.		4.816	.039	.0015	.0001	4.816	1.315	69.4	.8863
2.		4.134	.064	.0041	.0003	4.134	1.997	64.3	.8212
3.		3.648	.083	.0069	.0004	3.648	2.483	60.4	.7714
4.		3.457	.095	.0090	.0006	3.458	2.673 ~~2.458~~	58.8	.7510

Absolute Potential: 560 MCF/D, n = 1.192

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Engineer of the Kerr-McGee Corp. (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

RECEIVED OCT 11 1967 STATE O & G CONS. COMM.

E. C. Reid, Jr.
Signature

STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION
Gas Well Open Flow Potential Test Report (4-Point Test)
Form No. ~~XX~~ 18 File two copies
Effective _____, 19____

15,0

INSTRUCTIONS

This form is to be used for reporting multi-point back pressure tests on gas wells in the State, except those on which special orders are applicable.

The log log paper used for plotting the back pressure curve shall be of at least three inch cycles.

NOMENCLATURE

Q = Actual rate of flow at end of flow period at W. H. working pressure (P_w). MCF/da. @ 15.025 psia and 60°F.

P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia

P_w = Static wellhead working pressure as determined at the end of flow period. (Casing if flowing thru tubing, tubing if flowing thru casing). psia

P_t = Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia

P_m = Meter pressure, psia

h_w = Differential meter pressure, inches water

F_g = Gravity correction factor

F_t = Flowing temperature correction factor

F_{pv} = Supercompressability factor

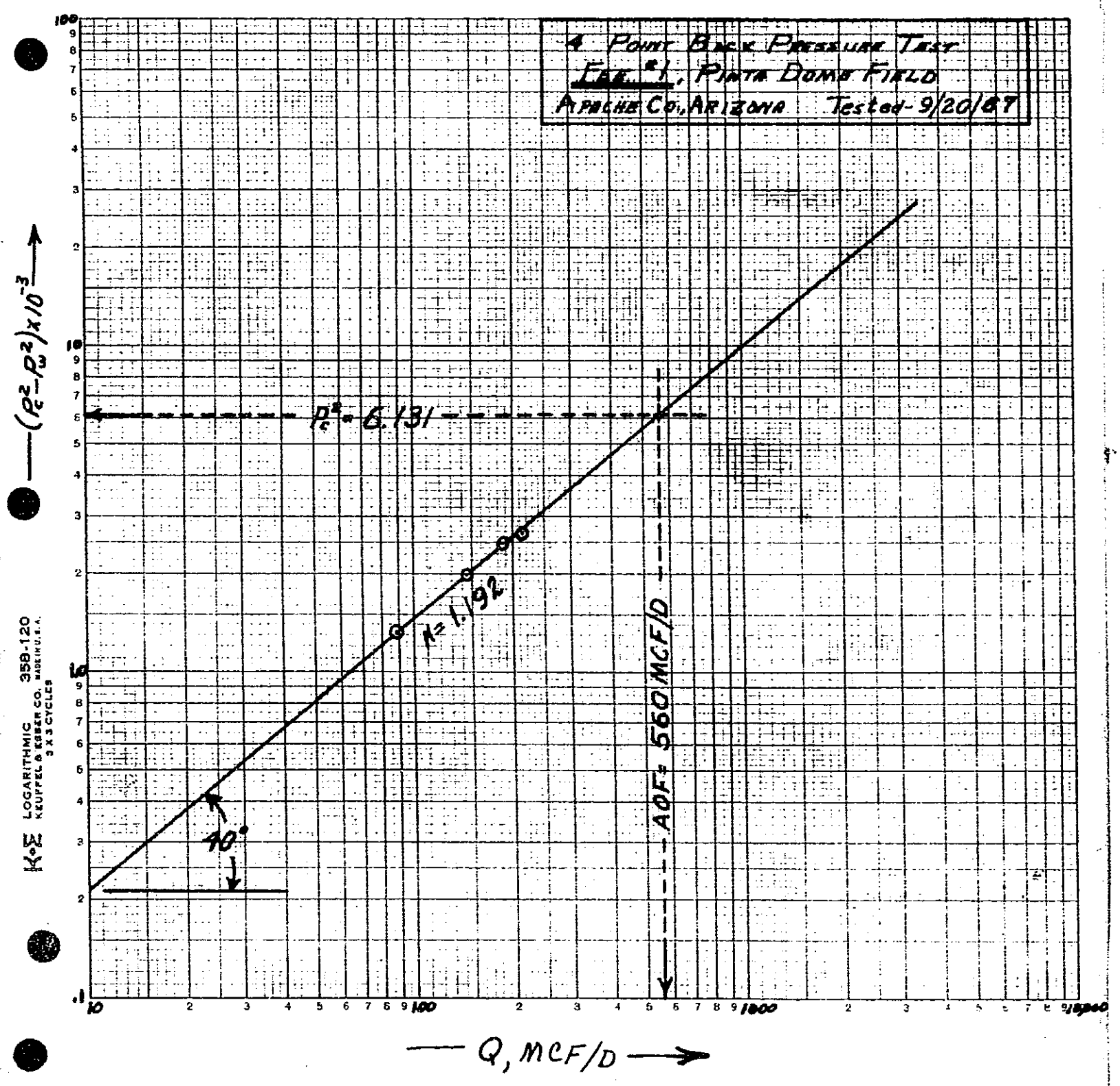
n = Slope of back pressure curve

GL = G_{mix} times average producing length of flow string

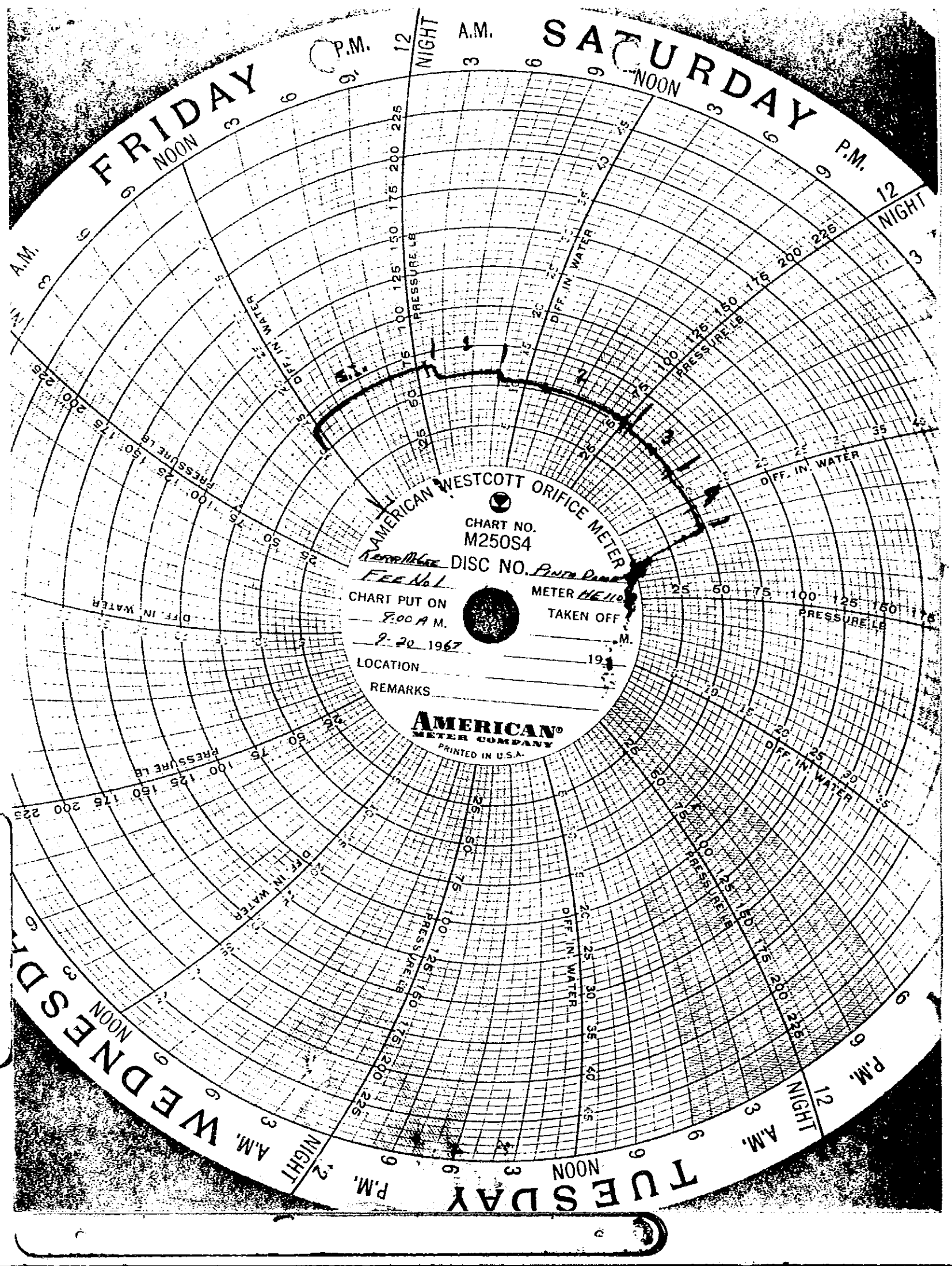
Note: If P_w cannot be taken because of manner of completion or condition of well, then P_w must be calculated by adding the pressure drop due to friction within the flow string to P_t.

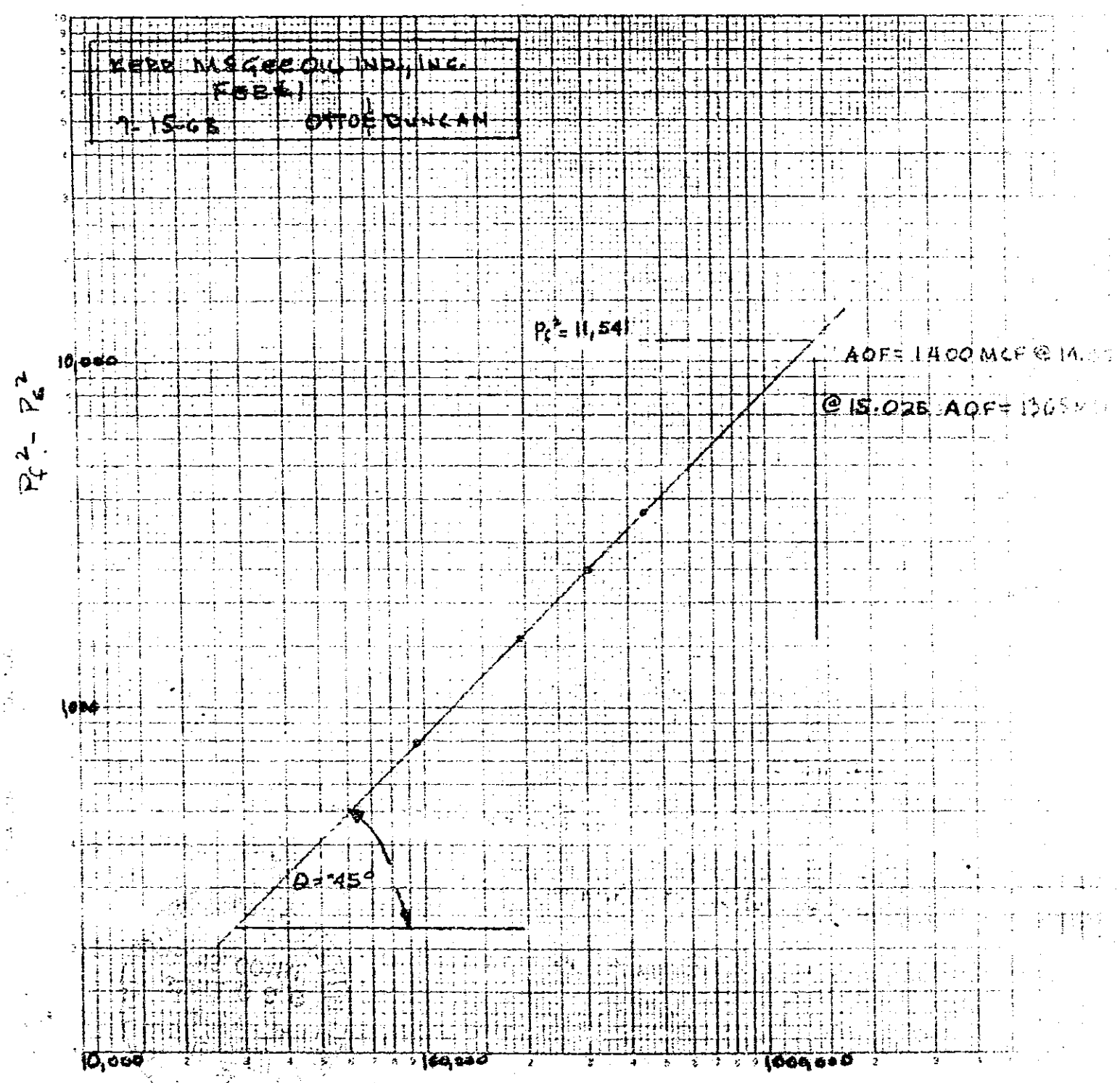
$F_c Q$ and $1 - e^{-s}$ are factors utilized in calculating the pressure drop due to friction.

Form No. G-1


4 Point Back Pressure Test
Fig. #1, Pinta Dome Field
Apache Co., Arizona Tested-9/20/67
$P_c^2 = 6.131$
n = 1.192
40°
AOF = 560 MCF/D
$(P_c^2 - P_w^2) \times 10^{-3}$
Q, MCF/D
K+E LOGARITHMIC 358-120
KEUFFEL & ESSER CO. MADE IN U.S.A.
3 X 3 CYCLES

16


FRIDAY
SATURDAY
TUESDAY
WEDNESDAY
A.M.
P.M.
NOON
NIGHT
PRESSURE LB
DIFF. IN WATER
AMERICAN WESTCOTT ORIFICE METER
CHART NO.
M250S4
DISC NO.
CHART PUT ON
8:00 A M.
9-20 1967
TAKEN OFF
LOCATION
REMARKS
AMERICAN
METER COMPANY
PRINTED IN U.S.A.


KEPCO MCGEE OIL IND., INC.
FEB #1
7-15-63 OTTOE DUNCAN
$P_c^2 = 11,541$
AOF = 1400 MCF @ 14.
@ 15.025 AOF = 1365
$P_c^2 - P_f^2$
10,000
1000
θ = 45°
10,000
100,000
1,000,000
Flow Rate Cubic Feet / Day

July 26-63

STATE OF ARIZONA
OIL AND GAS CONSERVATION COMMISSION
PHOENIX, ARIZONA

Form O & G 57
Sheet No. 1

PRODUCERS CERTIFICATE OF COMPLIANCE AND AUTHORIZATION
TO TRANSPORT OIL OR GAS FROM DRILLING UNIT

1. Form Prescribed Under Oil and Gas Conservation Act 1951

2. This form is to be completed on both sides.

Lease Kerr-McGee Fee Well No. 1 Field Pinta Dome

Sec. 33 Twp. 20 North Rge. 26 East Cty. Apache Co. Pool Pinta Dome

Producer Kerr-McGee Oil Industries, Inc.

Address all correspondence concerning this form to: Kerr-McGee Oil Industries, Inc.
Attention: C. F. Miller
Street Kerr-McGee Building City Oklahoma City State Oklahoma

The above named producer hereby authorizes Kerr-McGee Oil Industries, Inc.
(Name of Transporter)
Whose principal place of business is Kerr-McGee Building, Oklahoma City, Oklahoma
(Street) (City) (State)

And whose Field Address is Kerr-McGee Oil Industries, Inc., P. O. Box 15, Navajo (on U. S. Highway 66), Arizona
to transport 100 % of the ~~oil~~ gas produced from the Drilling Unit designated above until further notice.

Other transporters transporting Oil or Gas from this drilling unit are:

None %
(Name of Transporter)

% (Name of Transporter)

REMARKS:

(OVER)

10

NET WELL COMPLETION
(OFFICIAL COMPLETION GAUGE)

Date of First Production Test April 12, 1957 Date of Completion Gauge April 12, 1957

Total Oil saved while testing well prior to the date of the official completion gauge 0 _____ Barrels.

Production Gauge on 24 Hour Basis 0 Bbl. Oil; 0 % Water; 216 MCF Gas.

The undersigned certifies that the Rules and Regulations of the Commissioner have been complied with except as noted above, and that the transporter('s) authorized to transport the percentage of Oil and/or Gas produced from the above described drilling unit, and that this authorization will be valid until further notice to the transporter named herein or until cancelled by the Commissioner.

Executed this the 24 day of October 19 61.

Kerr-McGee Oil Industries, Inc.
(Company or Operator)

C F Miller, Manager Prod. Dept.
(Affiant) (Title)

STATE OF Oklahoma

COUNTY OF Oklahoma

Before me, the undersigned authority, on this day personally appeared C. F. Miller, known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on oath states that he is authorized to make this report and has knowledge of the facts stated herein and that said report is true and correct.

Subscribed and sworn to before me this the 24 day of October 19 61.

My Commission Expires Oct. 25, 1965

Rita Lee
Notary Public In and For Oklahoma County, Oklahoma

Approved BY C. Peter Walker
COMMISSIONER

BY: _____

(FOLLOW INSTRUCTIONS IN INSTRUCTION SHEET)

3-43
9/5/58

2 copies

STATE LAND DEPARTMENT
STATE OF ARIZONA

Form O&G 53

Form Prescribed Under Oil and Gas Conservation Act of 1951

CAPACITY TEST REPORT
BACK PRESSURE TEST OF GAS WELL
(Critical Flow Prover or Orifice Meter)
OPEN FLOW POTENTIAL TEST

Test Date April 12, 1957

Date 28 May 1958

Operator Kerr-McGee Oil Industries, Inc. Field Pinto

Lease Fee #1 (Formerly Macie #2) Well Ac.

Acres Under Well 640 Connection None

Reservoir Coconino County Apache

Sand Depth 956' to 980' 7" Csg. @ 1260 Tubing @ None

Gr. of Gas .901 Size Line and Meter or Prover 2"

Is Volume Corrected to sand face? Yes

Barometric 12.00

	Closed Pres. 99.3 Lbs.		Back Pressure Test		
Orifice Size	Coeff. 24 Hr.	Working Pressure	P_c^2 P_W^2	If Orifice Meter Used Lb.	Volume M.C.F.
3/16	.8035	91.8	1.72		68
7/32	1.1090	89.2	2.28		92
1/4	1.4360	86.2	2.92		115
5/16	2.2080	79.3	4.30		165
3/8	3.1420	72.2	5.63		216

Volume - 24 Hour 480 MCF. Slope of curve .966. Angle of curve 46° ~~x M.C.F.~~

Open Flow Test

Shut In Pres. Time Shut In

Producing Through

TIME	READING	LIQUID USED	SPRING GAUGE
15 Min.			
20 Min.			
25 Min.			
30 Min.			

Test Until Two Readings Check

OPEN FLOW CAPACITY _____ MCF per 24 Hrs.

REMARKS
Water - Oil - Etc.
(Important)

DRY

SIGNATURES
BOARD
CON.
CO. W. C. Barton
OTHER

(ACCOMPANY THIS REPORT WITH A BACK PRESSURE CURVE)

Back Pressure test attached.

19

DISTRICT NO. 10

~~RAILROAD COMMISSION OF TEXAS~~
OIL AND GAS DIVISION
MULTI-POINT BACK PRESSURE TEST
FOR GAS WELL

FORM GWT-10

Company Kerr-McGee Oil Industries, Inc. Lease [illegible] Well No. 1
New Well ____ Retest [illegible] Date of Test [illegible] 19 57
Field ____ County [illegible] Acres 640
Sec. 33 Blk. 20[illegible] Sur. [illegible] Loc. ____ Conn. ____
Casing 7" Wt. 20# I.D. ____ Set at [illegible] Perf. [illegible] To [illegible]
Liner ____ Wt. ____ I.D. ____ Set at ____ Perf. ____ To ____
Tubing ____ Wt. ____ I.D. ____ Set at ____ Perf. ____ To ____
Gas Pay From 256 To 920 L [illegible] G [illegible] GL [illegible] Barometric 12.0
e^s 1.063 F_d 0.5016 Well Shut In [illegible] Hours Before Test
Size of Prover 2" Size of Meter Run [illegible] Type of Connection [illegible]
REMARKS:

OBSERVED DATA

RUN NO.	SIZE METER RUN OR PROVER ORIFICE	METER PRESSURES STATIC Psig	METER PRESSURES Pm Psia	METER PRESSURES DIFFERENTIAL Inches-Roots	FLOW TEMP	WELLHEAD WP Psig	WELLHEAD Pw Psia	DURATION OF FLOW IN HOURS
1	3/16					[illegible]	[illegible]	[illegible]
2	7/32					[illegible]	[illegible]	[illegible]
3	1/4					[illegible]	[illegible]	[illegible]
4	5/16					[illegible]	[illegible]	[illegible]
5	3/8					[illegible]	[illegible]	[illegible]

FLOW CALCULATIONS

RUN NO.	COEFF. "C" (24 HR.)	h_wP_m	$\sqrt{h_wP_m}$	WORKING PRESSURE ON PROVER Psig	WORKING PRESSURE ON PROVER Psia	FLOW TEMP. FACTOR F_{tf}	GRAVITY FACTOR F_g	[illegible]
1	0.8035			[illegible]	[illegible]	[illegible]	.9965	[illegible]
2	1.1090				[illegible]		"	
3	1.4360				[illegible]	"	"	[illegible]
4	2.2090				[illegible]	"	"	[illegible]
5	3.1420				[illegible]	"	"	[illegible]

PRESSURE CALCULATIONS
(All Squared Pressures In Thousands)

S.I.P. 99.3 Psig
Bar. 12.0
P_c 111.3 Psia P_c^2 12.39 x e^s [illegible] = P_f^2 13.17

RUN NO.	P_w^2	$e^sP_w^2$	F_dQ	F^2	R^2	P_s^2	$P_f^2 - P_s^2$
1	10.77	11.45	.024	.00	----	[illegible]	1.72
2	10.24	10.89	.035	.00	----	10.[illegible]	2.28
3	9.64	10.25	.07[illegible]	.00	----	10.25	2.92
4	8.34	8.87	.003	.01	----	[illegible]	1.30
5	7.09	7.54	.100	.01	----	7.[illegible]	[illegible]

Slope of Curve: n = 0.966
Angle of Curve: θ = 460
Absolute Open Flow: 480 MCF/Day

R. R. COMMISSION: ____
Company: [signature]
Pipe Line: ____
Others: ____

21 10

32 x [illegible]

STATE OF ARIZONA
OIL AND GAS CONSERVATION COMMISSION
PHOENIX, ARIZONA FORM O&G 53
Form Prescribed Under Oil and Gas Conservation Act of 1951

CAPACITY TEST REPORT
BACK PRESSURE TEST OF GAS WELL
(Critical Flow Prover or Orifice Meter)
OPEN FLOW POTENTIAL TEST
Test Date: April 12, 1957

Date May 28, 1958

Operator Kerr-McGee Oil Industries, Inc. Field Pinta

Lease Fee #1 (Formerly Macie #2) Unit III Well Ac. 640

Acres Under Well 640 Connection None

Reservoir Coconino County Apache

Sand Depth 956-980' 7" Csg. @ 1260' Tubing@ None

Gr. of Gas .901 Size Line and Meter or Prover 2"

Is Volume Corrected to sand face? Yes

Barometric Pressure 12.0#

Closed Pres. 99.3 LBS.

Back Pressure Test

Orifice Size	Coeff 24 Hr.	Working Pressure PSIG	P_c^2	P_W^2	Lb.	If Orifice Meter used	Volume
3/16	0.8035	91.8	1.72				68
7/32	1.1090	89.2	2.28				92
1/4	1.4360	86.2	2.92				115
5/16	2.2080	79.3	4.30				165
3/8	3.1420	72.2	5.63				216

Volume - 24 Hour 480 MCF Slope of curve n = .965 MCF.
Angle of curve = 46°

Open Flow Test

Shut In Pres. _____ Time Shut In _____

Producing Through _____

TIME	READING	LIQUID USED	SPRING GAUGE
15 Min.			
20 Min.			
25 Min.			
30 Min.			

Test Until Two Readings Check

OPEN FLOW CAPACITY _____ MCF per 24 Hrs.

REMARKS
Water - Oil - Etc.
(Important)

Gas Well

No water

SIGNATURES
BOARD _____
CON. _____
CO. _____
OTHER _____

(ACCOMPANY THIS REPORT WITH A BACK PRESSURE CHART)

5/12/58

10

32 × 6

Fig #1

LOG OF ~~MACIE NO. 2~~

Location: Sec. 33, T. 20 N., R. 26 E., Apache County, Arizona

No information above 460 Feet.

460 - 650	Dark purple sandstone and shale
850	Brown Sandstone
870	Purplish sandstone
954	Light brown sandstone
1020 -1047	Purplish sandstone
1080	Pure Coconino sandstone
1575	Interbedded purplish and lots of white sand
1600 -1652	Salt interbedded with reddish shale - salt crystals reddish with purplish shale
1652 -1690	No record
1704	Various colored shale, black, gray,brown
1715	Salt
1858	Dark shale and salt
1862- 1912	Pure salt
1927	Brown salt and shale
1935	Gray shale
1964	Colored salt
1996	Dark shale
2037	Reddish to dark shale and salt
2200	Light brown shale
2310	Salt - last of salt
2315	Dark brown shale
2325	Dark sand
2335	Fine light gray sand
2342	Brown sand
2377	Dark brown sand
2464	Light brown sand

Mr. Harris said No. 2 showed helium gas - depth 650-1040 Ft.

1-24-56

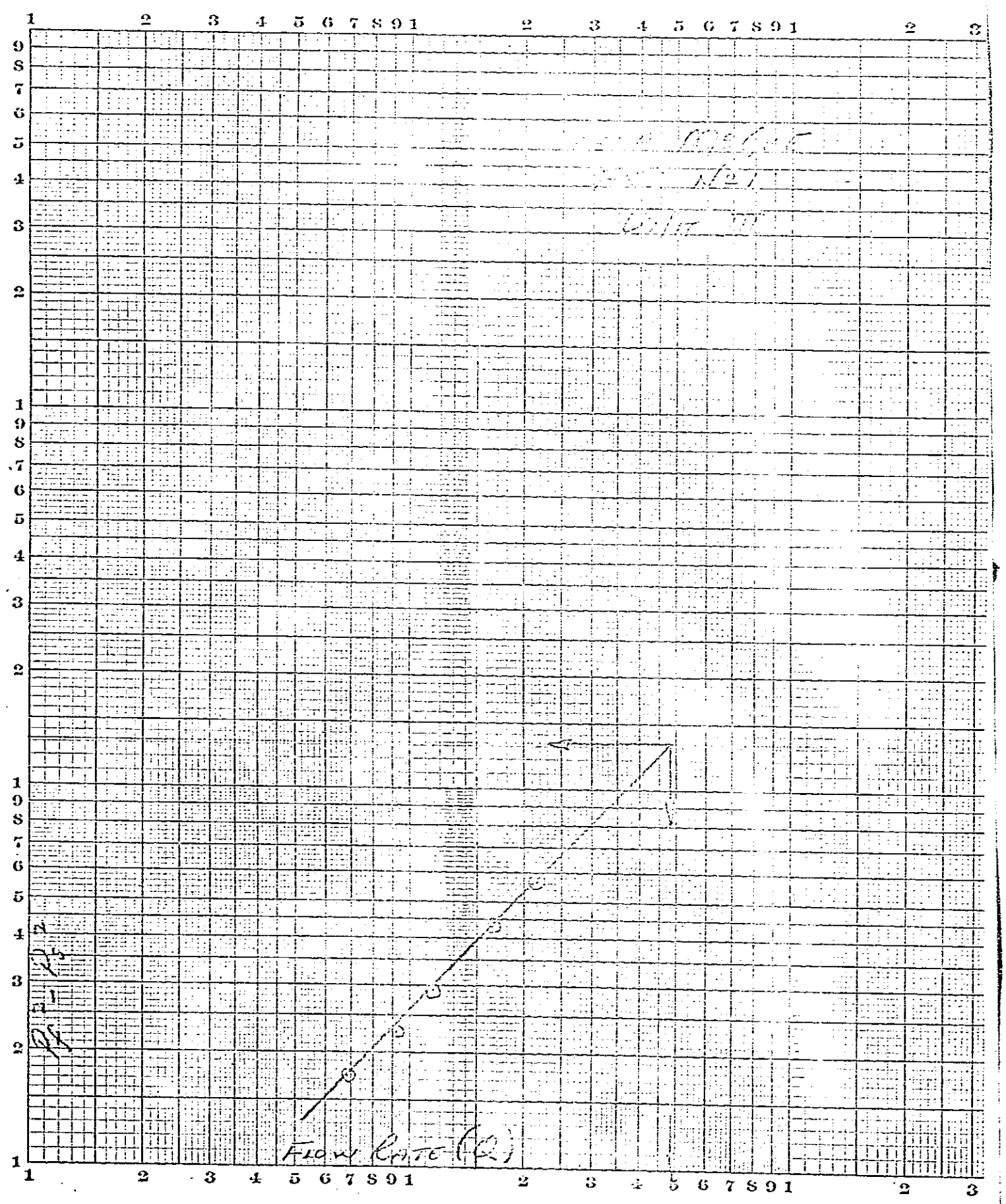
LOG OF HOLE NO. 2

Location: Sec. 23, T. 20 N., R. 26 E., Apache County, Arizona

No information above 460 Feet.

460 - 530	Dark purple sandstone and shale
530	Brown Sandstone
870	Purplish sandstone
954	Light brown sandstone
1030 -1047	Purplish sandstone
1080	Pure Coconino sandstone
1575	Interbedded purplish and lots of white sand
1600 -1652	Salt interbedded with reddish shale - salt crystals reddish with purplish shale
1652 -1690	No record
1704	Various colored shale, black, gray,brown
1715	Salt
1858	Dark shale and salt
1892- 1912	Pure salt
1927	Brown salt and shale
1935	Gray shale
1964	Colored salt
1990	Dark shale
2037	Reddish to dark shale and salt
2300	Light brown shale
2310	Salt - last of salt
2315	Dark brown shale
2325	Dark sand
2335	Fine light gray sand
2342	Brown sand
2377	Dark brown sand
2464	Light brown sand

Mr. Harris said No. 2 showed helium gas - depth 530-1040 ft.



Fee #1

480 MCF

Absolute Open Flow

DISTRICT NO. 10

~~RAILROAD COMMISSION OF TEXAS~~
OIL AND GAS DIVISION

FORM GWT-10

MULTI-POINT BACK PRESSURE TEST
FOR GAS WELL

Company Kerr-McGee Oil Industries, Inc. Lease Fee Well No. 1

New Well ____ Retest XXXX Date of Test 12 April 19 57

Field ____ County Apache Co., Arizona Acres 640

Sec. 33 Blk. 20N Sur. 26E Loc. SW-SW-SE Conn. ____

Casing 7" Wt. 20# I.D. ____ Set at 1260' Perf. 956' To 980'

Liner ____ Wt. ____ I.D. ____ Set at ____ Perf. ____ To ____

Tubing ____ Wt. ____ I.D. ____ Set at ____ Perf. ____ To ____

Gas Pay From 956 To 980 L 968 G 0.901 GL 972 Barometric 12.0

e^s 1.063 F_d 0.5016 Well Shut In ---- Hours Before Test

Size of Prover 2" Size of Meter Run ---- Type of Connection ----

REMARKS: ____

OBSERVED DATA

RUN NO.	SIZE METER RUN OR PROVER ORIFICE	METER PRESSURES STATIC Psig	METER PRESSURES Pm Psia	METER PRESSURES DIFFERENTIAL Inches-Roots	FLOW TEMP	WELLHEAD WP Psig	WELLHEAD Pw Psia	DURATION OF FLOW IN HOURS
1	3/16					91.8	103.8	12
2	7/32					89.2	101.2	12
3	1/4					86.2	98.2	11
4	5/16					79.3	91.3	11
5	3/8					72.2	84.2	5

FLOW CALCULATIONS

RUN NO.	COEFF. "C" (24 HR.)	h_wP_m	$\sqrt{h_wP_m}$	WORKING PRESSURE ON PROVER Psig	WORKING PRESSURE ON PROVER Psia	FLOW TEMP. FACTOR F_{tf}	GRAVITY FACTOR F_g	FLOW RATE $Q=M^2cfd$ @ 14.65
1	0.8035			WTTP	103.8	1.000	.8165	68 MCFD
2	1.1090				101.2	"	"	92
3	1.4360				98.2	"	"	115
4	2.2080				91.3	"	"	165
5	3.1420				84.2	"	"	216

PRESSURE CALCULATIONS
(All Squared Pressures In Thousands)

S.I.P. 99.3 Psig

Bar. 12.0

P_c 111.3 Psia P_c^2 12.39 x e^s 1.063 = P_f^2 13.17

RUN NO.	P_w^2	$e^sP_w^2$	F_dQ	F^2	R^2	P_s^2	$P_f^2 - P_s^2$
1	10.77	11.45	.034	.00	----	11.45	1.72
2	10.24	10.89	.046	.00	----	10.89	2.28
3	9.65	10.25	.058	.00	----	10.25	2.92
4	8.34	8.87	.083	.01	----	8.87	4.30
5	7.09	7.54	.108	.01	----	7.54	5.63

Slope of Curve: n = 0.966

Angle of Curve: θ = 46°

Absolute Open Flow: 480 MCF/Day

73

~~R. R.~~ COMMISSION: ____

Company: [signature]

Pipe Line: ____

Others: ____

32 x

AFFIDAVIT

STATE OF Texas

COUNTY OF Moore

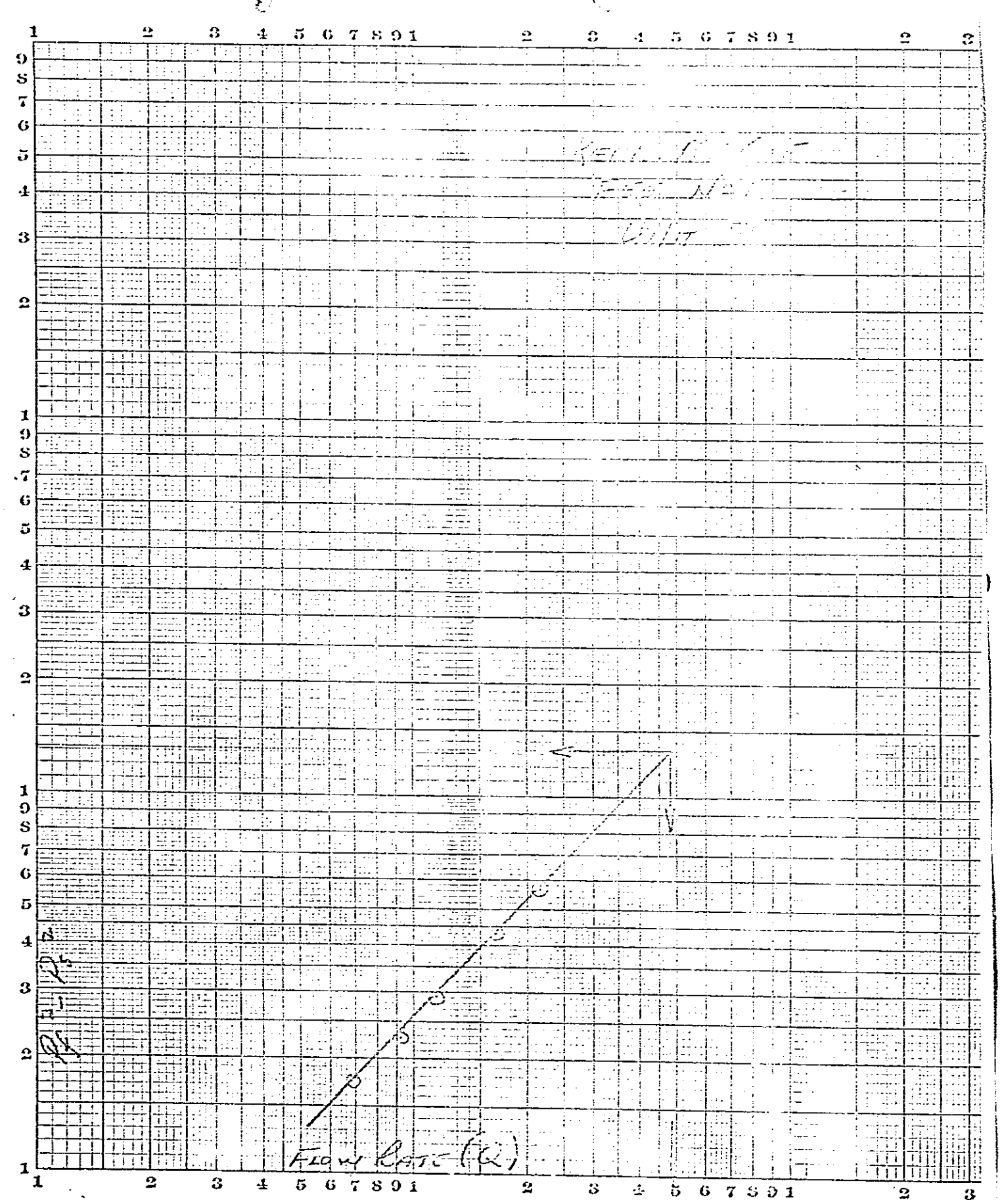
BEFORE me, the undersigned authority, on this day personally appeared Otto C. Barton, known to me to be the person whose name is subscribed to this instrument, who, after being by me duly sworn on oath, states that he is employed by or associated with Kerr-McGee Oil Ind., Inc. in the capacity of District Gas Supt.; that this test was made by affiant or under the supervision of affiant; that this test was made according to the Rules and Regulations of the indicated Field as of this date; that the test data and factual data shown hereon are true and correct; and that no pertinent matter inquired about in said report has been omitted.

Subscribed and Sworn to before me on this the 27 day of May 19 58

Notary Public in and for

Moore County, Texas

My Commission Expires: 6-1-59

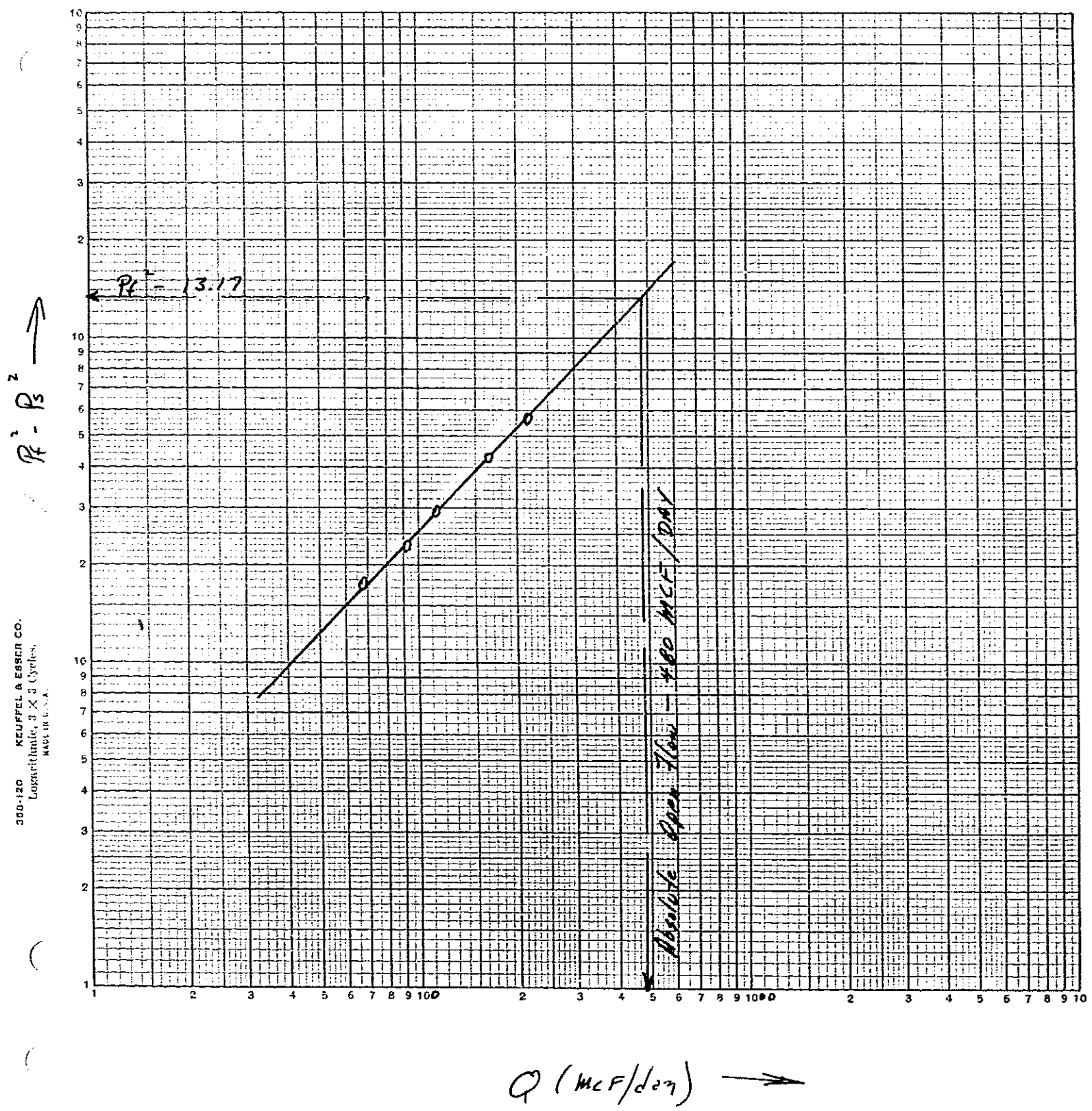


Fec #1

480 MCF

Absolute Open Flow

Kerr-McGee Oil Ind, Inc.
Fee #1
Apache County, Ariz.
12 April 57



25

OOG.

STATE LAND DEPARTMENT
STATE OF ARIZONA

Form O&G 55

Form Prescribed Under Oil and Gas Conservation Act 1951
APPLICATION TO ABANDON, PLUG, DEEPEN, SIDETRACK OR PERFORATE

(After Well Has Once Been Completed)

INSTRUCTIONS: -- File in duplicate with Commissioner, One copy will be returned with approval or denial.

FIELD: Wildcat
OPERATOR: Kerr-McGee Oil Ind. Inc. ADDRESS Kerr-McGee Bldg., Oklahoma City, Okla.
LEASE: _____ WELL NO. Macie #2 COUNTY Apache
SURVEY: _____ SECTION _____ DRILLING PERMIT NO.: _____
LOCATION: SW of SW of SE¼, Section 33, T. 20 N., R. 26 E. G.S.R.B.

TYPE OF WELL: Helium - Nitrogen Gas TOTAL DEPTH 1250'
(Oil, Gas or Dry Hole)

ALLOWABLE (If Assigned) _____
LAST PRODUCTION TEST; OIL _____ (Bbls.) WATER _____ Bbls.)
GAS _____ (M.C.F.) DATE OF TEST _____

PRODUCING HORIZON Coconino PRODUCING FROM: 950' TO 1150'

1. COMPLETE CASING RECORD:
135' 10 3/4 32# casing. Cemented with 60 sacks
(Proposed 1200' 7" 20# J55 Casing to cement with 150 sacks common cement.)

2. FULL DETAILS OF PROPOSED PLAN OF WORK:

Clean out hole with rotary to 1250' Set 1200' of 7" casing; cement with 150 sacks, then perforate and complete as helium nitrogen well from Coconino Sand from 950' to 1150'.

If the well is to be deepened to another zone other than that covered by permit, this form shall be accompanied by a certified lease plat as is prescribed on Form No. O&G 51.

If well is to be abandoned, does proposed work conform with requirements of SW Rule 26? _____. If not, outline procedure proposed above.

DATE COMMENCING OPERATIONS: October 17, 1956
NAME OF PARTY DOING WORK: Kerr-McGee Oil Ind. Inc. ADDRESS Kerr-McGee Bldg., Oklahoma City, Okla
CORRESPONDENCE SHOULD BE SENT TO: Mr. Otto C. Barton
Box 337
Sunray, Texas

NAME: KERR-McGEE OIL INDUSTRIES, INC.,
TITLE: BY: Otto C. Barton
Gas Superintendent

APPROVED: 22 DAY OF October 1956.
DENIED: _____ DAY OF _____ 19___.

Roger Ernst
STATE LAND COMMISSIONER

BY: _____

10

32 × 6

October 3, 1955

APACHE OIL & HELIUM LEASE-MACIE #2
Secs: 33, 20 & 26-Navajo County Arizona

Drilling Casing-Re-drilling and Cleaning Out Hole--Run Casing under the Supervision of Stephan Reiss of Simi, California.

7-16-55	-Rig & Crew	--17 hrs.	- - -	-Move in.
7-17-55	--" "	" - 15-1/2 hrs.	- -	
7-18-55	" "	" 14	"	
7-19-55	" "	" 8	"	
7-20-55	Off	0		
7-21-55	Rig & Crew	9	"	
7-22-55	Rig & Crew	3-1/2	"	
7-23-55	" "	10	"	
7-24-55	" "	10	"	-Helper only.
7-25-55	Rig & Crew	10	"	
7-26-55	" "	11-1/2	"	
7-27-55	" "	11-1/2	"	
7-28-55	" "	6	"	
7-29-55	" "	6	"	
7-30-55	" "	4	"	
7-31-55	" "	11	"	
8-1 -55	" "	11	"	
8-2-55	" "	11	"	
8-3-55	" "	9	"	
8-4-55	" "	9	"	
8-5-55	" "	8	"	
8-6-55	Off			
8-7-55	Rig &Crew	9	"	
8-8-55	(Dry Hole at 375')	12	"	300'-casing back in hole. -Well gassing put on blow-out-head
8-9-55	-Perfect Water shut off - - -	12	"	
8-10-55	-Hauled Water for drilling- -	12	"	
8-11-55		12	"	Still heaving at 700"
8-12-55		12		
8-13-55		12	"	
8-14-55		12	"	Pipe to 900'
8-15-55		12	")	
8-16-55		12	")	
8-17-55		12	")	
8-18 -55		12	")	
8-19-55		12	")	-Blew out all water &
8-20-55		12	")	rocks at 1020'
8-21-55		12	")	Drilling
8-22-55		12	"	
8-23-55		12	"	
8-24-55	OFF			
8-25-55		10	"	
8-26-55		8	"	
8-27-55		8	"	
8-28-55		12	"	
8-29-55		12	"	
8-30-55		12	"	
8-31-55		12	"	Well capped until #3 is completed. If we get a greater amount of Helium out of #3, then we will go back in #2 and go down to the Hydrocarbon or oil zones, as we only need 2 Helium wells at this time.

9-1-55	-Rig&Crew	12	Hrs.
9-2-55		12	"
9-3-55		12	"
9-4-55		12	"-1924 feet hole drilled to 1940'-formation forced up in pipe 150'-put in 2000 gals water-gained 140 feet-changed tools -- Supplies&tools.
9-5-55		12	
9-6-55		12	
9-7-55		12	
9-8-55		12	
9-9-55		12	
9-10-55		12	
9-11-55		12	
9-12-55		12	
9-13-55		12	
9-14-55		12	
9-15-55		12	Cleaning out Hole.
9-16-55		12	
9-17-55		12	Hole Heaving
9-18-55		12	
9-19-55		12	Get Jelly.
9-20-55		12	Mixing mud &
9-21-55		12	Pulling &
9-22-55		12	working pipe.
9-23-55		16	Worked pipe & pulled to 1100' for Helium zone Reiss says leave full of mud jell.

Bridged over solid at 1905' by hydrocarbon gas pressure.
Will electric log & gamma ray.
[redacted]XXX

Start #3. Located by Dr. Ralph Arnold and Stephen Reiss. Results of #3 will tell Reiss whether to make Hydrocarbon or Helium with #2 well--good Helium #2 now.

10-3-55
Surveyor to finish 10-9-55-Rig & camp being moved to new location.

Well capped temporarily

Operator: A. T. House, Sr. -Trustee

Driller: W. J. McCray

10/18/55
Signed A. T. House Sr. Trustee

29

12455

Letter from Rob M. Collier
Acting Chief
Western Mapping Center
Topographic Div.
345 Middlefield Rd.
Menlo Park, Calif. 94025
Dated: October 3, 1974

NAVAJO SPRINGS

Well	Elevations Photog.	Elevations Bull.185	Difference	Remarks
Eastern 21 (234) 20n-28e 31	5853	~~5832~~	-21	Well identified at end of road on photo.
OK → Western (552) | Fralizn 20n-28e-30	5818 gl	~~5800~~	-18	Bulletin 185 position would place well on opposite side of road.
CREST 471 | Sant2 Fe ~~Eastern 2 (547)~~ 20n-27e-25 660FS-660FEL	5821	~~5773~~ 5820 agreed	~~-48~~	Image on photo at end of road and pipe line.

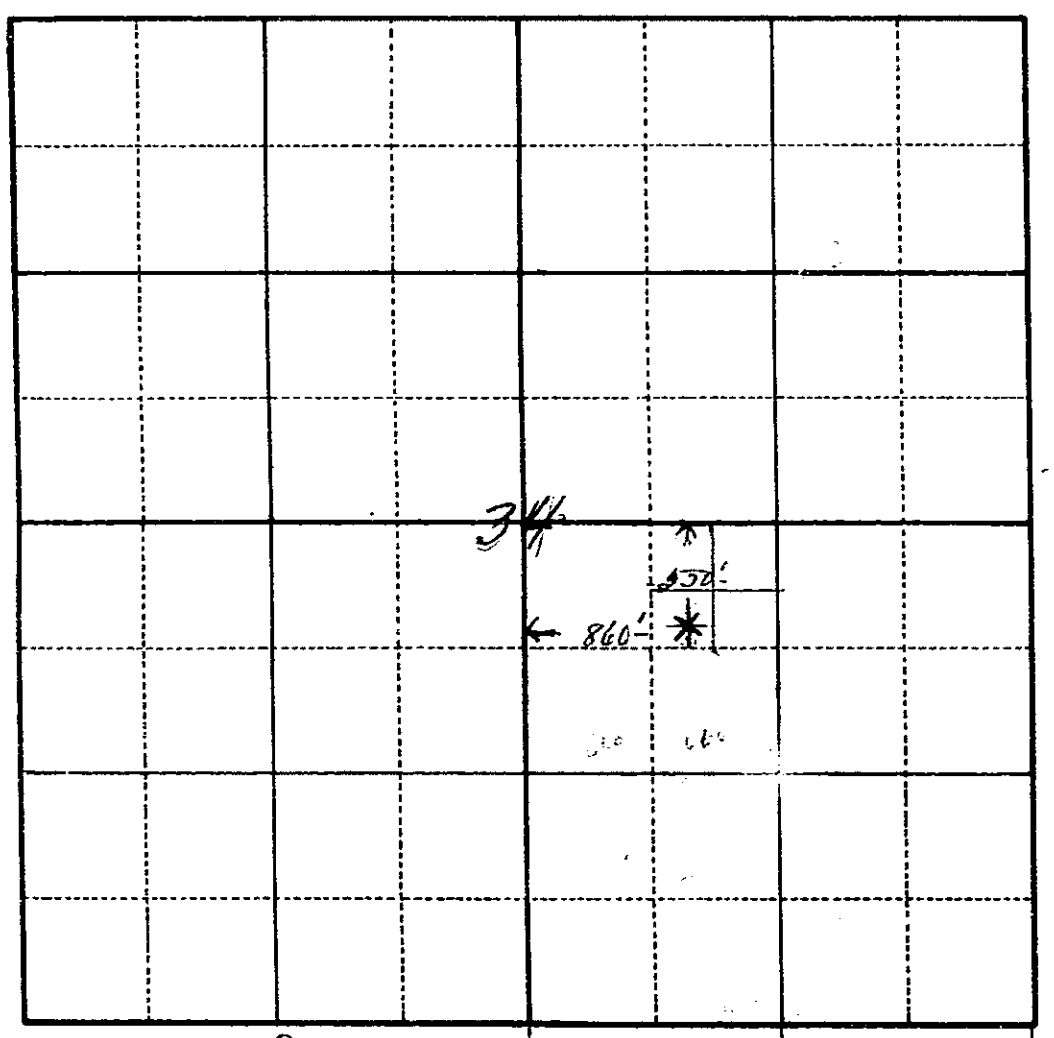
NAVAJO SOUTH

Well	Elevations Photog.	Elevations Bull.185	Difference	Remarks
Kerr-McGee 2 (39) 20n-26e-35 660 FNL-1320FWL	± 5668* 5679KBV	~~5662~~ gl	-6	Well identified at end of road.
Kerr-McGee (36) 20n-26e-34 2175 FSL-1700FEL	± 5779* GL	~~5772~~ gl	-7	Well identified at end of road.
Kerr-McGee (10) 20n-26e-33 330FSL-2310FEL	± 5743* GL	5743 gl agreed	0	Well identified at U-bend in road.
Linehan (136) 20n-26e-21 330FS-2310FE	± 5605* GL	5600 gl	-5	1500 feet from BM.
Kerr-McGee (37) 19n-26e-4 2310 FSL-1650FEL	± 5770*	~~5753~~	-17	Well identified at end of road.
Kerr-McGee 1 (167) 19n-26e-14 500FSL-1320 FWL	± 5741* gl	5760	+19	Located in a small clearing 350 feet off road.
Kerr-McGee 1A (177) 19n-26e-14 500FSL-1290FWL	Not Plotted 5738	5776		This point is 100 feet down slope from 167 yet elevation indicates it is higher.

* Interpolated

The "Remarks" column gives justification for our confidence in the fieldman's location of the wells.

SEC. 34 T 20 R 26



SCALE 1" = 1000'

ABSTRACTED Not #10 AREA

PLAT OF SURVEY FILED

Caphas Perkins Surveyor Holbrook Arizona

South West ¼ of North East ¼ of North West ¼ of South East ¼ 34-20-26

New Location of well is 860'-East of Center Line Sec 34
550'-South of Center Line Sec 34

A. J. Housch

A-FORM 991

12455

RECEIVED
OCT 28 1955
STATE LAND
DEPT.

C of SW¼NE¼NW¼SE¼

B - 10

STATE LAND DEPARTMENT
STATE OF ARIZONA

Form O & G 51

Form Prescribed Under Oil and Gas Conservation Act of 1951

NOTICE OF INTENTION TO DRILL NEW WELL

This notice and surety bond must be filed and permit must be granted before drilling begins

Phoenix Ariz. Oct. 4, 1951

State Land Commissioner

In compliance with Statewide Rule 3, notice is hereby given that it is our intention to ~~commence~~ complete the work of drilling well No. Hortenstine Macie # 2 Sec. 33, T. 20 N, R. 26 E, G.S.R. B. & M., Pinta Field, Apache County.

Legal description of lease (Attach map or plat to scale)

SW of SW of SE¼, Section 33, T. 20 N., R.26 E G.S.R.B.

Apache County, Arizona

Location of Well: (Give exact footage from section corners or other legal subdivision or streets)

400' N. of NE¼, Sec 4- T. 19 N., R.26 E. in SW of SW of SE of Sec. 33, T.-20 N., R.-26 E.

Proposed drilling depth 3500 feet. Acres in drilling unit 5300 A. Has surety bond been filed? Waiting for form. Is location a regular or exception to spacing rule? Regular. Note: Well now drilled to 2517' with 600' drilling tools at bottom. To be recovered or whip-stocked to by-pass same to bottom.

Elevation of ground above sea level 5800 feet.

All depth measurements taken from top of Floor (Derrick Floor, Rotary Table or Kelly Bushing) which is 2 feet above ground.

5801
95
5896

PROPOSED CASING PROGRAM

Size of Casing Inches A.P.I.	Weight	Grade and Type	Top	Bottom	Cementing Depths
12-3/4"	32 lb.	New	0	117'	117 to top
8"	26 lb.	New	)	1900'	117 to top

Such other smaller strings as necessary for completion

Intended Zone or Zones of completion:

Name	Perforated Interval
Supai (and Pennsylvanian 2(if present)).	

Perforations according to thickness of producing sand if met

AFFIDAVIT:

I SIGNED/ C.M.S. Kipling, being first duly sworn on oath, state that I have knowledge of the facts and matter herein set forth and that the same are true and correct.

Name SIGNED/ C.M.S. Kipling Title Agent for Chas. Schmitz

Subscribed and sworn to before me this 4th day of October 1951

Notary Public, County of _____ State _____

10

Permit No. # 10

Act of Commissioner

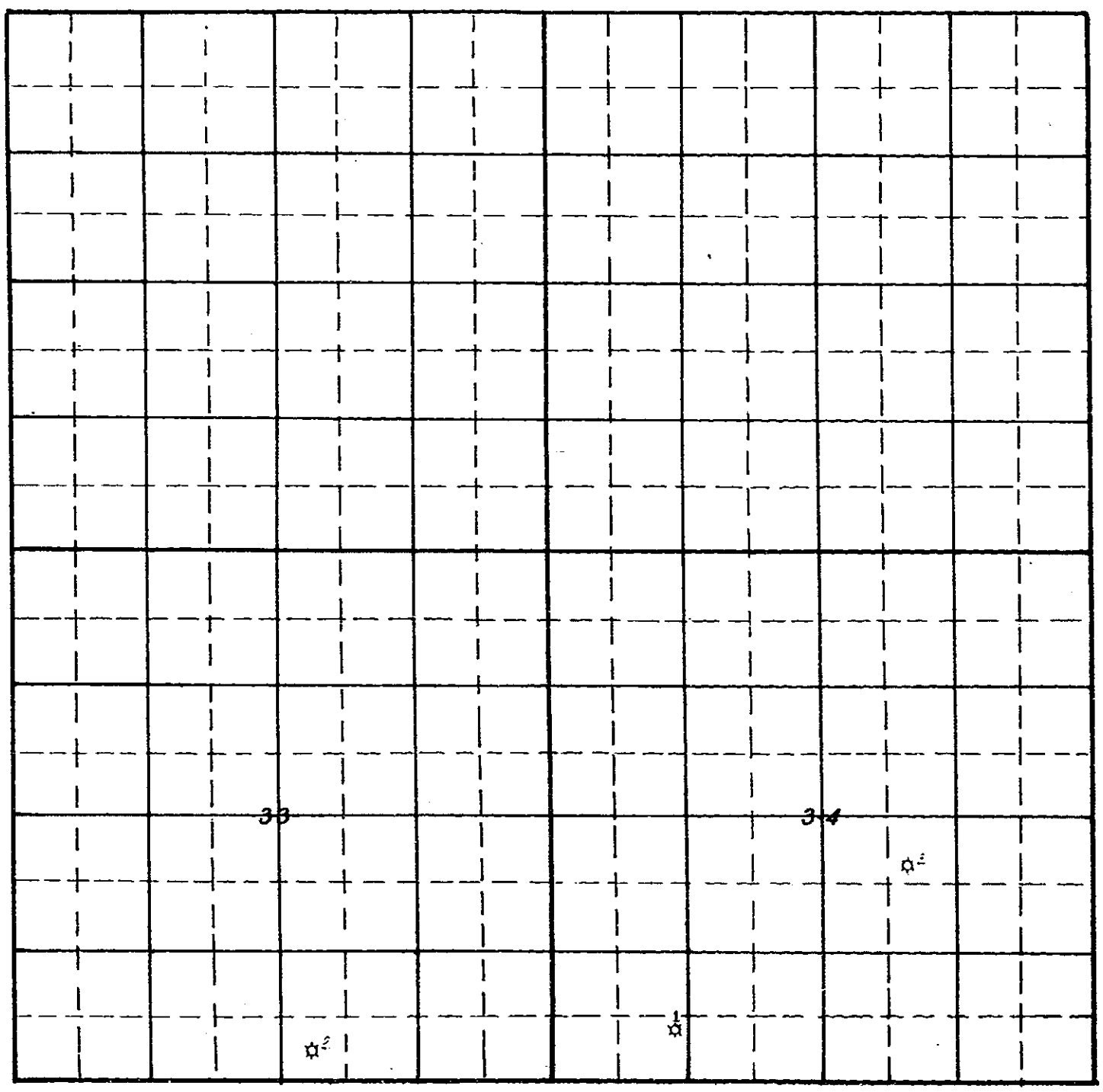
Approved SIGNED/ James R. Burger, Deputy Land Commissioner

Date May 15, 1952

Kerr-McGee Oil Ind., Inc.

Macie Lease

Apache County, Arizona



Macie #1, SE-SW-SW-Sec. 34, 20N-26E
Macie #2, SW-SW-SE-Sec. 33, 20N-26E
Macie #3, NE-NW-SE-Sec. 34, 20N-26E

30

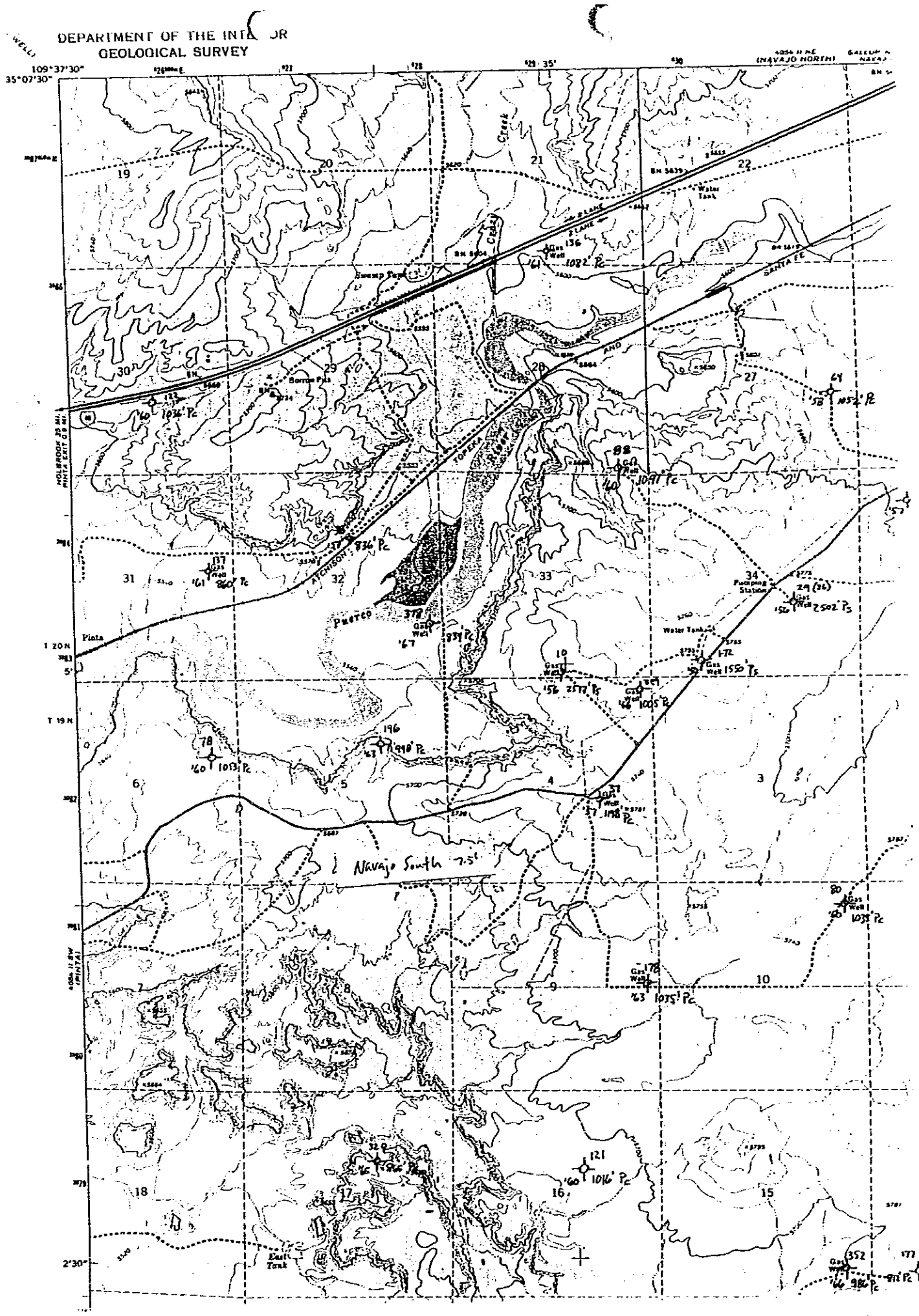
KERR-McGEE CORPORATION EXHIBIT NO. 6

SUMMARY OF SURFACE SHUT-IN PRESSURES, PSIG
Pinta Dome Coconino Sand Gas Pool,
Apache County, Arizona

Unit Number	Well Name	Initial 10/1/61	24 Hours 10/1/62	24 Hours 6/16/63	8 Hours 1/22/64	24 Hours 8/27/64	24 Hours 11/11/65	24 Hours 5/2/66	24 Hours 12/30/66	[illegible]	[illegible]
I	State 4-A (State 4)	99.4	96.0	92.80	89.4	86.1	N.M.	77.2	N.M.	[illegible]	[illegible]
II	State 1-28	98.8	95.6	92.43	89.3	85.8	78.6	76.8	73.9	[illegible]	[illegible]
III	Fee 1	99.3	95.5	92.20	89.2	85.6	78.5	77.0	73.1	[illegible]	[illegible]
IV	State 3-A (State 3)	99.1	95.4	92.20	89.0	81.2	N.M.	77.7	73.2	[illegible]	[illegible]
V	State 2	99.1	95.5	92.15	89.0	85.6	78.5	76.7	73.0	[illegible]	[illegible]
VI	State 1	99.1	95.4	92.19	88.7	85.4	78.5	77.0	73.1	[illegible]	[illegible]
VIII	Fee 2	99.3	95.7	92.45	89.2	85.8	78.7	77.1	73.2	[illegible]	[illegible]
IX	State 1-2	99.6	96.7	93.85	91.2	N.M.	83.2	81.6	77.1	[illegible]	[illegible]
X	State 1-10	99.6	96.5	N.M.	N.M.	N.M.	83.0	81.6	77.0	[illegible]	[illegible]
	Averages	99.3	95.8	92.53	89.4	85.1	79.9	78.1	74.2	[illegible]	[illegible]

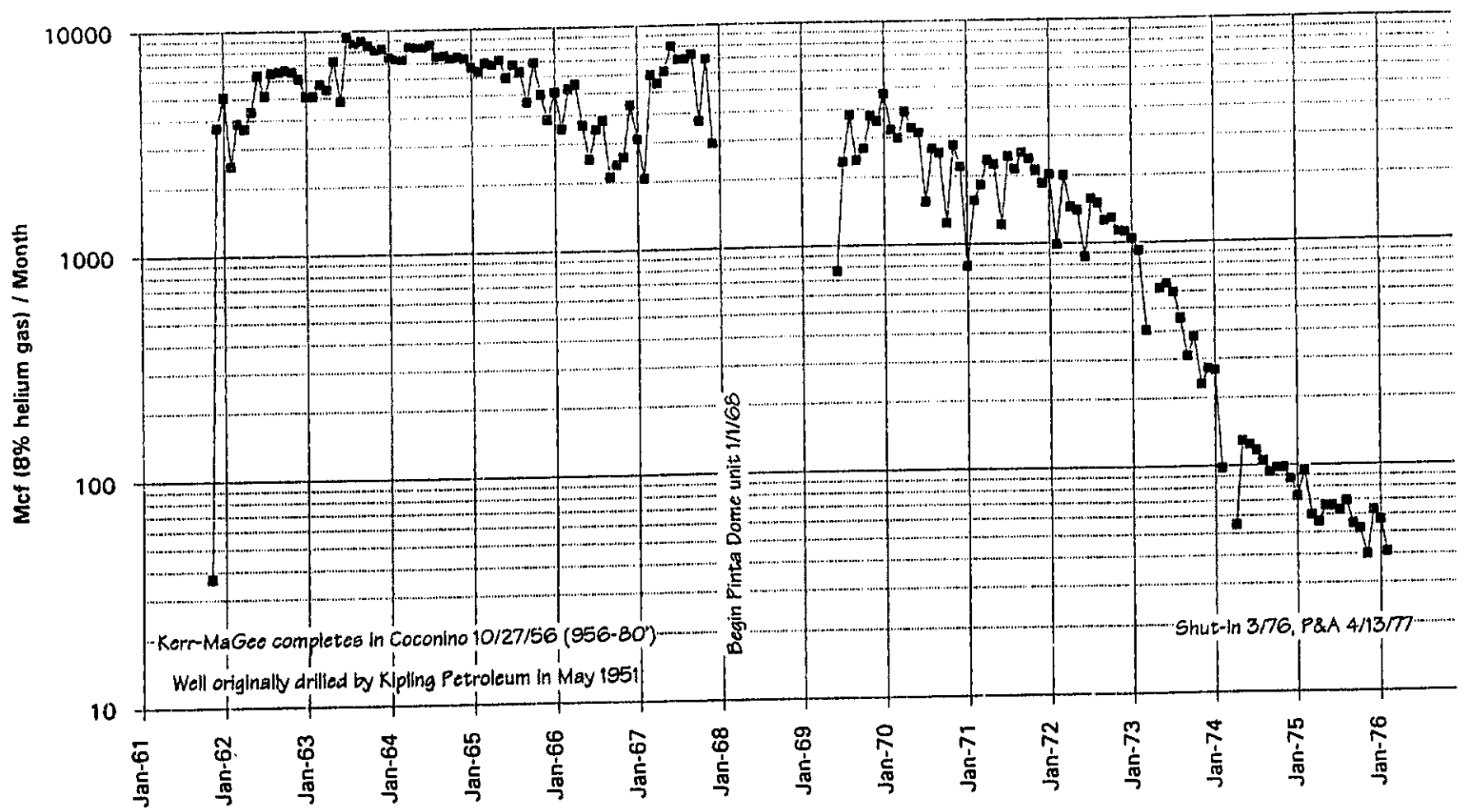
N.M. - Not measured.

10


DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
109°37'30"
35°07'30"
Navajo South 7.5'
Water Tank
Pumping Station
Pinta
Pueblo
Creek
East Tank

32 × 1

Kerr-McGee 1 Fee (10)
sw se 33-20n-26e, Pinta Dome, Arizona
(AKA Kipling Macie #2; Kipling Hortenstine Macie #2; Colgrove-Hortenstine)



1/15/98

State of Arizona
Arizona Geological Survey
845 North Park Avenue, #100
Tucson, Arizona 85719
(602) 882-4795

Fife Symington
Governor

Larry D. Fellows
Director and State Geologist

October 28, 1992

Mr. Merle Bohlander
1600 Turtle Creek
Pampa, Texas 79065

Dear Merle:

Enclosed is the information you requested, the last few years of production and the plugging records for the wells in the Pinta Dome Field. I have also enclosed a summary of surface shut-in pressures for the Pinta Dome Field.

Sincerely,

Steven L. Rauzi

Steven L. Rauzi
Oil & Gas Program Administrator

Enclosures

Operator KERR MC GEE ~~OIL INDUSTRIES INC.~~ Corporation

Bond Company Insurance Co. of N. America Amount 25,000

Bond No. M 41 95 25 (~~KM528~~) Date Approved 10-28-65

Permits covered by this bond:

10	386	417
36	389	418
37	390	419
38	391	420
39	392	422
57	396	426
63	397	427
64	398	441
142	399	445
238	402	446 → see this file
~~303~~	403	
90	404	
91	405	
349	406	
303	407	
377	408	
378	409	
379	410	
380	411	
381	413	
384	414	
385	416	

CANCELLED

DATE 10-24-68

superseded by
American Casualty Co. Bond
$25,000
#5471020-52

32 × 1

October 28, 1965

Kerr-McGee Oil Industries, Inc.
Kerr-McGee Building
Oklahoma City, Oklahoma 73102

Re: Insurance Company of North America
Bond M 41 95 25 KM 528

Gentlemen:

Attached is copy of captioned bond which has been approved by this Commission as of this date.

Since this bond is now in full force and effect, this letter will constitue authority from this Commission to terminate Insurance Company of North America Bond M 24 64 35 KM 146 effective as of this date.

Your cooperation is very much appreciated.

Very truly yours,

John Bannister
Executive Secretary
mr
enc

cc: Insurance Company of North America
501 Guaranty Bank Bldg.
Phoenix, Arizona 85011

32 x

Operator Kerr-McGee Industries, Inc.

Bond Company Indemnity Ins. Co. of North Ame Amount $10,000

Bond No. [redacted] M 246435 KM1146 Date Approved 8-1-60

Permits covered by this bond:

~~10~~ see this file

Now covered by bond # M 41 95 25

~~39~~

142

~~37~~

~~63~~

90

~~64~~

238

~~36~~

~~37~~

~~38~~

91

303

CANCELLED

DATE 10-28-65

BOND

KNOW ALL MEN BY THESE PRESENTS

That we: Kerr-McGee Oil Industries, Inc., a Delaware Corporation

of the County of: Oklahoma in the State of: Oklahoma

as Principal,
and Indemnity Insurance Company of North America, a Pennsylvania Corporation

of 1600 Arch Street, Philadelphia, Pennsylvania
AUTHORIZED TO DO BUSINESS WITHIN THE State of Arizona.

as surety, are held and firmly bound unto the State of Arizona in the penal sum as indicated, lawful money of the United States, for which payment, well and truly to be made, we bind ourselves, and each of us, and each of our heirs, executors, administrators or successors, and assigns jointly and severally, firmly by these presents.

The condition of this obligation is that whereas the above bounden principal proposes to drill a well or wells for oil, gas or stratigraphic purposes in and upon the following described land situated within the State, to wit:

Lands covered by oil and gas mining leases of various dates and periods of
(May be used as blanket bond or for single well)
duration heretofore entered into or which may hereafter be entered into by

the principal.

NOW, THEREFORE, if the above bounden principal shall comply with all of the provisions of the laws of this State and the rules, regulations and orders of the Oil and Gas Conservation Commission, especially with reference to the requirements of A.R.S. 27-516, providing for the proper drilling, casing and plugging of said well or wells, and filing with the Oil & Gas Conservation Commission all notices and records required by said Commission, in the event said well or wells do not produce oil or gas in commercial quantities, or cease to produce oil or gas in commercial quantities, then this obligation is void; otherwise, the same shall be and remain in full force and effect.

Penal sum of Ten Thousand ($10,000.00) Dollars

Witness our hands and seals, this 1st day of August, 1960

KERR-McGEE OIL INDUSTRIES, INC.

ATTEST: Secretary

By GEORGE H. COBB Vice President Principal

Witness our hands and seals, this 1st day of August, 1960

INDEMNITY INSURANCE COMPANY OF NORTH AMERICA

By R. Anderson
Attorney-in-Fact Surety

(If the principal is a corporation, the bond should be executed by its duly authorized officers, with the seal of the corporation affixed. When principal or surety executes this bond by agent, power of attorney or other evidence of authority must accompany the bond.)

CANCELLED

Approved Date

STATE OF ARIZONA
OIL AND GAS CONSERVATION COMMISSION

DATE 10-28-65

Bond Continuous In Form

32 x

KERR-McGEE OIL INDUSTRIES, INC.
KERR-McGEE BUILDING • OKLAHOMA CITY, OKLAHOMA 73102

June 11, 1965

Oil and Gas Conservation Commission
State of Arizona
Room 202
1624 West Adams
Phoenix, Arizona 85007

Attention Mr. John Bannister, Executive Secretary

INDEMNITY INSURANCE COMPANY OF NORTH AMERICA
$10,000.00 DRILLING BOND TO STATE OF ARIZONA
IN THE NAME OF KERR-McGEE OIL INDUSTRIES, INC.

Your letter of June 3, 1965 to Mr. Donald F. Duncan, Kerr-McGee Oil Industries, Inc., Sunray, Texas, has been forwarded to our office for reply.

Please find enclosed herewith a xerox copy of the bond as originally signed and a xerox copy of the transmittal letter dated August 25, 1960, from the bonding company forwarding the bond to your office and a copy of your letter dated September 6, 1960, acknowledging receipt of the original bond. Our files do not contain an approved copy of the bond; however, we trust that the copy forwarded will be sufficient for your needs.

W. E. Long

W. E. Long
Oil & Gas Lease Records Department

WEL:bjc
Encl.

32 ×

OFFICE OF
Oil and Gas Conservation Commission
STATE OF ARIZONA
3300 N. CENTRAL - SUITE 312
Phoenix, Arizona
CR 9-3397 CR 9-2731

September 6, 1960

Kerr-McGee Oil Industries, Inc.
Kerr-McGee Building
Oklahoma City 2, Oklahoma

Attention: Mr. G. W. Shimeall

Dear Mr. Shimeall:

We have received your $10,000 drilling bond, Indemnity Insurance Company of North America as Surety. We are this date releasing your #5006943 in the amount of $10,000 dated 18 September 1956, National Surety Company as Surety.

We enclose an additional copy of this release of bond for National Surety Company. Will you please forward. Thank you very much.

Sincerely,

W. F. Maule

W. F. Maule per ew
Petroleum Engineer

WFM/ew
Enclosure

August 25, 1960

State of Arizona Oil & Gas Conservation Commission
3500 North Central Ave.
Phoenix, Arizona

Re: Kerr-McGee Oil Industries, Inc.
a Delaware Corporation

Gentlemen:

Enclosed is a Drilling Bond in the amount of $10,000.00 for the captioned concern.

Please note that the attached bond replaces the present bond you now have on file for this concern.

Very truly yours,

INDEMNITY INSURANCE COMPANY
OF NORTH AMERICA

EWH:jm
Enc.

Edward W. Hallman
Special Agent

cc: P.K. Watkins, Assistant Mgr, INA
2915 Classen Blvd., Oklahoma City 6, Oklahoma
✓cc: Mr. G.W. Shimeall, Lease Records Dept.
Kerr-McGee Industries, Inc., Kerr-McGee Bldg., Oklahoma City
Oklahoma
cc: Mr. J. Richard Johnson, Vice President, Marsh & McLennan, Inc.
114 East Fifth Ave., Tulsa, Oklahoma
cc: Mr. Douglas Simpson, Bond & Burglary Underwriter
Dallas Service Office, 7900 Empire Freeway, Dallas, Texas

STATE LAND DEPARTMENT
State of Arizona
Phoenix, Arizona

#5006943

BOND FOR DRILLING OIL OR GAS WELL

State of ~~Arizona~~ OKLAHOMA)
)
County of ~~Maricopa~~ OKLAHOMA)

KNOW ALL MEN BY THESE PRESENTS:

That we, KERR-McGEE OIL INDUSTRIES, INC. of Oklahoma City, Oklahoma, hereinafter called Principal, and NATIONAL SURETY CORPORATION of New York, N.Y, hereinafter called the Surety, are held and firmly bound unto the State of Arizona in the sum of Ten Thousand Dollars ($10,000) for the payment of which the Principal and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

Whereas the Principal has obtained a permit from the State Land Commissioner to drill a well in search of oil or gas, and whereas said Principal is required by provisions of the Oil and Gas Conservation Act of 1951 to deposit with the said Commissioner a good and sufficient bond:

Now, therefore, the condition of the foregoing obligation is such that if the Principal shall drill, case and plug all wells drilled by said Principal in such manner as to prevent the escape of oil or gas from one stratum to another and to prevent the intrusion of water into an oil or gas stratum from a separate stratum, and to prevent the pollution of fresh water supplies by oil, gas or salt water and in such manner as to prevent waste, and shall make reports to the Commissioner showing the location of all oil and gas wells drilled by said Principal, and shall file all logs and drilling records kept by said Principal within six (6) months from the time of the completion or abandonment of any well drilled for oil or gas and shall plug each dry or abandoned well in the manner provided by the rules and regulations adopted by said Commissioner, then this obligation to be null and void, otherwise to be and remain in full force and effect.

Witness our hands and seals this 18th day of September 1956.

ATTEST: [signature]
Secretary

KERR-McGEE OIL INDUSTRIES, INC.
By [signature]
Principal Vice President

NATIONAL SURETY CORPORATION
BY: John B. Phelan
SERVICE REPRESENTATIVE

NATIONAL SURETY CORPORATION
By Evelyn M. Inlow
Surety Attorney-in-Fact
Evelyn M. Inlow

Approved this 3 day of October 1956.

Released 9-6-60

[signature]
State Land Commissioner

32 × 8

NATIONAL SURETY CORPORATION

New York

GENERAL POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, that NATIONAL SURETY CORPORATION, a Corporation duly organized and existing under the laws of the State of New York, and having its principal office in the City of New York, N. Y., hath made, constituted and appointed, and does by these presents make, constitute and appoint EVELYN M. INLOW

of OKLAHOMA CITY and State of OKLAHOMA

its true and lawful Attorney(s)-in-Fact, with full power and authority hereby conferred in its name, place and stead, to execute, acknowledge and deliver Any and all bonds, recognizances, contracts agreements of indemnity and other conditional or obligatory undertakings; provided, however, that the penal sum of any one such instrument executed hereunder shall not exceed ONE HUNDRED THOUSAND ($100,000.00) DOLLARS

and to bind the Corporation thereby as fully and to the same extent as if such bonds were signed by the President, sealed with the corporate seal of the Corporation and duly attested by its Secretary, hereby ratifying and confirming all that the said Attorney(s)-in-Fact may do in the premises. Said appointment is made under and by authority of the following provisions of the By-laws of NATIONAL SURETY CORPORATION:

"ARTICLE XII. RESIDENT OFFICERS AND ATTORNEYS-IN-FACT.

"Section 1.—The Chairman, President or any Vice-President may from time to time appoint Resident Vice-Presidents, Resident Assistant Secretaries and Attorneys-in-Fact to represent and act for and on behalf of the corporation and the Chairman, President, or any Vice-President, the Board of Directors or the Executive Committee may at any time suspend or revoke the powers and authority given to any such Resident Vice-President, Resident Assistant Secretary and Attorney-in-Fact, and also remove them from office. (Adopted April 29, 1933. Applies to all powers of attorney executed prior to May 25, 1933).

"Section 1.—The President, Executive Vice-President or any Vice-President may, from time to time, appoint Resident Vice-Presidents, Resident Assistant Secretaries and Attorneys-in-Fact to represent and act for and on behalf of the Corporation and the President, Executive Vice-President or any Vice-President, the Board of Directors or the Executive and Finance Committee may at any time suspend or revoke the powers and authority given to any such Resident Vice-President, Resident Assistant Secretary or Attorney-in-Fact, and also remove any of them from office. (As amended May 25, 1933. Applies to all powers of attorney executed prior to April 27, 1943).

"Section 1.—Appointment.—The President, Executive Vice President or any Vice President may, from time to time, appoint Resident Vice Presidents, Resident Assistant Secretaries and Attorneys-in-Fact to represent and act for and on behalf of the Corporation. (As amended April 27, 1943. Applies to all powers of attorney executed on or after that date).

"Section 4.—Attorneys-in-Fact.—Attorneys-in-Fact may be given full power and authority to execute, acknowledge and deliver for and in the name and on behalf of the Corporation any and all bonds, recognizances, contracts of indemnity and other conditional or obligatory undertakings, and any such instrument executed by any such Attorney-in-Fact shall be as binding upon the Corporation as if signed by the Chairman or the President and sealed and attested by the Secretary. (Adopted April 29, 1933. Applies to all powers of attorney executed prior to May 25, 1933).

"Section 4.—Attorneys-in-Fact.—Attorneys-in-Fact may be given full power and authority to execute, acknowledge and deliver for and in the name and on behalf of the Corporation any and all bonds, recognizances, contracts of indemnity and other conditional or obligatory undertakings, and any such instrument so executed by any such Attorney-in-Fact shall be as binding upon the Corporation as if signed by the President and sealed and attested by the Secretary. (As amended May 25, 1933. Applies to all powers of attorney executed prior to July 30, 1935).

"Section 4.—Attorneys-in-Fact.—Attorneys-in-Fact may be given full power and authority, for and in the name and on behalf of the corporation, to execute, acknowledge and deliver, any and all bonds, recognizances, contracts of indemnity and other conditional or obligatory undertakings, and any and all notices and documents cancelling or terminating the corporation's liability thereunder, and any such instrument so executed by any such Attorney-in-Fact shall be as binding upon the corporation as if signed by the President and sealed and attested by the Secretary. (As amended July 30, 1935. Applies to all powers of attorney executed prior to April 27, 1943).

"Section 4.—Attorneys-in-Fact.—Attorneys-in-Fact may be given full power and authority, for and in the name and on behalf of the Corporation, to execute, acknowledge and deliver, any and all bonds, recognizances, contracts, agreements of indemnity and other conditional or obligatory undertakings, and any and all notices and documents cancelling or terminating the Corporation's liability thereunder, and any such instrument so executed by any such Attorney-in-Fact shall be as binding upon the Corporation as if signed by the President and sealed and attested by the Secretary. (As amended April 27, 1943. Applies to all powers of attorney executed prior to April 28, 1953.)

"Section 4.—Attorneys-in-Fact.—Attorneys-in-Fact may be given full power and authority, for and in the name and on behalf of the Corporation, to execute, acknowledge and deliver, any and all bonds, recognizances, contracts, agreements of indemnity and other conditional or obligatory undertakings, and any and all consents and releases incident thereto, and any and all notices and documents cancelling or terminating the Corporation's liability thereunder, and any such instrument so executed by such Attorney-in-Fact shall be as binding upon the Corporation as if signed by the President and sealed and attested by the Secretary. (As amended April 28, 1953. Applies to all powers of attorney executed on or after that date.)

"Section 7.—Attorneys-in-Fact.—Attorneys-in-Fact are hereby authorized to verify any affidavit required to be attached to bonds, recognizances, contracts of indemnity, or other conditional or obligatory undertakings, and they are also authorized and empowered to certify to a copy of the By-laws of the Corporation or any Article or Section thereof. (Adopted April 29, 1933. Applies to all powers of attorney executed prior to May 25, 1933).

"Section 7.—Attorneys-in-Fact.—Attorneys-in-Fact are hereby authorized to verify any affidavit required to be attached to bonds, recognizances, contracts of indemnity, or other conditional or obligatory undertakings, and they are also authorized and empowered to certify to copies of the By-laws of the corporation or any Article or Section thereof. (As amended May 25, 1933. Applies to all powers of attorney executed prior to April 27, 1943).

"Section 7.—Attorneys-in-Fact—Verifications.—Attorneys-in-Fact are hereby authorized to verify any affidavit required to be attached to bonds, recognizances, contracts, agreements of indemnity, or other conditional or obligatory undertakings, and they are also authorized and empowered to certify to copies of the By-laws of the Corporation or any Article or Section thereof. (As amended April 27, 1943. Applies to all powers of attorney executed prior to June 27, 1944).

"Section 7.—Attorneys-in-Fact—Verifications—Certifications.—Attorneys-in-Fact are hereby authorized to verify, by affidavit or otherwise, the authority to execute bonds, recognizances, contracts, agreements of indemnity, and other conditional or obligatory undertakings; and to certify, by affidavit or otherwise, as to the inspection or examination of assets of the estates, where the fiduciary responsible for such assets is bonded by the Corporation; and they are also authorized and empowered to certify to copies of the By-laws of the Corporation or any Article or Section thereof. (As amended June 27, 1944. Applies to all powers of attorney executed on or after that date).

IN WITNESS WHEREOF, NATIONAL SURETY CORPORATION has caused these presents to be signed by its Vice President, attested by its Assistant Secretary, and its corporate seal to be hereto affixed this 30th day of October A.D., 19 52.

NATIONAL SURETY CORPORATION

(Seal)

By S. G. DRAKE
Vice President

ATTEST: A. N. MacDOUGALL
Assistant Secretary

F. 201½ Rev. 5/53

10

STATE OF NEW YORK,
COUNTY OF NEW YORK, } ss.:

On this 30th day of October A.D., 19 52.

before me personally came S. G. DRAKE, to me known, who, being by me duly sworn, did depose and say, that he resides in the City of New York; that he is Vice President of NATIONAL SURETY CORPORATION, the Corporation described in and which executed the above instrument; that he knows the seal of said Corporation; that the seal affixed to the said instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said Corporation and that he signed his name thereto by like order. And said S. G. DRAKE further said that he is acquainted with A. N. MacDOUGALL and knows him to be an Assistant Secretary of said Corporation; and that he executed the above instrument.

ELIZABETH C. KING
Notary Public

(Notarial seal affixed)

STATE OF OKLAHOMA
COUNTY OF OKLAHOMA } ss.:

I, A. MacDONALD, Resident Assistant Secretary and Attorney-in-Fact of NATIONAL SURETY CORPORATION, do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney (including applicable By-law sections), executed by said NATIONAL SURETY CORPORATION, which is still in force and effect.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of said Corporation, at the City of Oklahoma City this 18 day September A.D., 19 56

A. MacDonald
Resident Assistant Secretary and Attorney-in-Fact

INVISIBLE ARMOR

NATIONAL SURETY CORPORATION
New York

GENERAL POWER OF ATTORNEY

—TO—

ON

DATE 19

F. 2014

OFFICE OF
Oil and Gas Conservation Commission
STATE OF ARIZONA
8686 NORTH CENTRAL, SUITE 106
PHOENIX, ARIZONA 85020
PHONE: (602) 271-5161

March 7, 1977

Mr. C. J. Breeden
Kerr-McGee Corporation
P.O. Box 250
Amarillo, Texas 79105

Re: Form 9, Application to Abandon and Plug

Dear Mr. Breeden:

Attached are your approved copies of Form 9, Application to Abandon and Plug ten wells in the Pinta Dome Field, Apache County, Arizona.

Please advise me what date you plan to commence plugging operations.

Very truly yours,

William E. Allen
Director
Enforcement Section

WEA/vb
Enc.

10

KERR-McGEE CORPORATION
626 AMARILLO PETROLEUM BUILDING
P. O. BOX 250 • AMARILLO, TEXAS 79105

PHONE
806 376-7256

February 28, 1977

RECEIVED
MAR 3 1977
O & G CONS. COMM.

Arizona Oil and Gas Conservation Commission
8686 North Central Avenue, Suite 106
Phoenix, Arizona 85020

RE: Form 9
Application to Abandon
and Plug

Gentlemen:

Attached are two copies each of Form 9, Application to Abandon and Plug, for 10 wells in the Pinta Dome Field, Apache County, Arizona. Plugging will commence when your approval is obtained and with availability of equipment to perform this work. If there are any questions, please advise.

Sincerely,

KERR-McGEE CORPORATION

C. J. Breeden
District Manager
Southwest District - North America

CJB/srm

Attachments

10

#10

Kerr-McGee Corporation has shut down its helium extraction plant in Navajo, Arizona. This plant was shut down February 25, 1976. Production in the Pinta Dome field had declined to such an extent that it was no longer economical to operate this plant. Kerr-McGee now plans to plug their wells in the Pinta Dome Unit and abandon all operations.

Several months ago, Kerr-McGee made some effort to take over operations of the Navajo Springs Unit. It is doubtful that if they had been successful in this venture, the Navajo Springs Unit would have supplied enough additional gas to prolong the closing of the plant for any great period of time.

OFFICE OF
Oil and Gas Conservation Commission
STATE OF ARIZONA
4515 NORTH 7TH AVE.
PHOENIX, ARIZONA 85013
PHONE: (602) 271-5161

September 18, 1973

Mr. Robert Fullop
Eastern Petroleum Company
P. O. Box 226
Farmington, New Mexico 87401

Dear Mr. Fullop:

Will you please supply this Commission with any information that you might have regarding the recoverable reserves in the Navajo Springs Field?

This information will be considered confidential if you so desire.

Thank you for your cooperation.

Very truly yours,

W. E. Allen, Director
Enforcement Section

WEA/rlb

70

32 ×

X- Chrono
X- Lambert

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39
36
349
378
80
88
81
Kerr-McGee State #1
(No Permit)

June 12, 1969

Mr. Otto C. Barton
Kerr-McGee Corporation
P. O. Box K
Sunray, Texas 79086

Re: Pinta Dome Unit Wells

Dear Mr. Barton:

This letter constitutes permission from this Commission to suspend the annual testing for the captioned wells as provided by Rule 401 during June, 1969.

Sincerely,

John Bannister
Executive Secretary

JAL:jf

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KERR-McGEE CORPORATION
POST OFFICE BOX "K" • SUNRAY, TEXAS 79086

June 9, 1969

(10)
39
36
349
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80
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81
KERR-McGEE State #1 (No Permit)

Oil and Gas Conservation Commission
State of Arizona
Room 202 - 1624 West Adams
Phoenix, Arizona 85007

Attention: Mr. James A. Lambert

Dear Sir:

In accordance with my telephone conversation with you and Mr. John Bannister today, we are hereby requesting the commissions approval to defer the annual testing requirements set forth in Rule 401 on all helium gas wells in the Pinta Dome Unit, Apache County, Arizona.

This field is a unit operation. Only six wells, Eastern State #1-2 and #1-28, Kerr-McGee State #1, #2, #3A, and Fee #1 have been produced, the other three wells, Eastern State 1-10, Kerr-McGee State #4A and Kerr-McGee Fee #2 have been shut-in since unit was formed on January 1, 1968.

Shut in pressures in this field are very low with none exceeding 60 p.s.i.g. Plant operation makes gas flow very erratic, rate of flow and line pressures are very seldom steady for over a few hours at one time. Also when plant is in full operation, line pressures and well operating pressures are never more than 1 to 5# less than well shut in pressures. These conditions make testing procedures as outlined in the testing manual impossible. The only way potential tests could be accomplished would be by venting gas to air which would constitute a waste of valuable natural resources.

We believe that a representative test of the wells in this field is almost impossible and that no useful purpose can be accomplished by flow tests of wells in this unit operation. Therefore we are making this request that annual tests on all wells in Pinta Dome unit be again deferred.

Yours very truly,

KERR-McGEE CORPORATION

Otto C. Barton
Division Superintendent
Oil and Gas Production

RECEIVED JUN 11 1969 STATE O & G CONS. COMM.

OCB/ds

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X-Chrono
X-Lambert

May 29, 1969

Memo to Files 10 and 349

Memo from J. Lambert

Re: Kerr-McGee Oil Fee #1
T20N, R26E, G & SRM
Sec. 33: SW/4 SE/4
Apache County
Permit #10

Kerr-McGee #3A State
T19N, R26E, G&RM
Sec. 4: NE/4 NE/4
Apache County
Permit 349 X

Otto Barton, Kerr-McGee called this date. He indicates that during the month of June he will produce the two captioned wells. These wells have been shut in and carried on the Kerr-McGee Monthly Producers Report as "shut in and used for emergency".

He broached the subject of exceptions on the Pressure Test due to be accomplished during the month of June. We both remained non committal as to the possibility of exceptions to this testing requirement. He mentioned that he was leaving on vacation today but would be back at work within a couple of weeks and he might contact us at that time. I notice in the file that an exception to the testing requirement was granted by letter dated June 6, 1968. I believe he is going to try for that again.

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32 × 1

X- Lambert
X- Chrono

May 22, 1969

Mr. Otto C. Barton
Kerr-McGee Corporation
P. O. Box K
Sunray, Texas 79086

Re:	Kerr-McGee Fee #1	Permit #10
	Kerr-McGee Fee #2	Permit #39
	Kerr-McGee State #1 (Sec. 34 of 20826)	No Permit
	Kerr-MCGee State #2	Permit #36
	Kerr-McGee State #3A	Permit #349
	Kerr-McGee State #4A	Permit #378
	Eastern State #1-10	Permit #80
	Eastern State #1-28	Permit #88
	Eastern State #1-2	Permit #81

X

Dear Mr. Barton:

In accordance with Rule 401 the Oil and Gas Conservation Commission, State of Arizona, has adopted procedures for the annual testing for all gas and/or helium wells.

The Commission's procedure is based upon and must be used in conjunction with the Manual of Back-pressure Testing of Gas Wells as issued by Interstate Oil Compact Commission, P. O. Box 53127, Oklahoma City, Oklahoma 73105.

The Commission has prepared, in addition, a supplement to the IOCC manual inasmuch as that manual is based upon a pressure base other than the 15.025 required by the State of Arizona. The supplement to the IOCC manual has made all necessary corrections to the IOCC manual to reflect the 15.025 pressure base.

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The tests as required by Rule 401 shall be conducted during the month of June each year and reported in duplicate by July 10th of each year. Forms 18 and 20 will be used for this purpose.

Yours truly,

James A. Lambert
Administrative Assistant

JB:jf

Enc.

KERR-McGEE OIL INDUSTRIES, INC.

Post Office Box "K" • Sunray, Texas

July 22, 1963

Oil and Gas Conservation Commission
State of Arizona
Room 202, 1624 West Adams
Pheonix 7, Arizona
Mr. N.A. Ludewick, Executive Secretary

Dear Mr. Ludeewick

In accordance with your letter to me dated June 25, 1963. I am outlining below details of perforation on our Fee #1 well on June 22, 1963. Mr. John Petty witnessed parts of this job. I am also attaching copy of McCullough's Gamma Ray and perforation log together with copy of 4 point back pressure test ran July 5, 1963 by Richard Otto and Don Duncan. This test was calculated on 14.65 pressure base and result converted to 15.025 PSIA. Results of test indicated shut in wellhead pressure of 92 PSIG and absolute openflow of 1,365 MCFD.

Kerr-McGee Fee #1, Section 33 - 20N - 26E Apache County, Pinta Dome field elevation 5743' GL completed 10-27-1956. 7 inch casing set at 1253' GL and cemented with 275 sxs. Plug back TD 1215'. Perforated by Schlumberger 4 holes per ft. 956 to 980'. Initial shut in pressure 99.1 lb. absolute open flow 480 MCFD. This well would not produce its allocated share of field production.

On June 22, 1963 we ran McCullough correlation log and found original perforations 952 to 974' Ground Level measurement and perforated two holes per ft with superformation jet glass strip gun from 976 to 1000'. We cleaned up formation by lubricating ½ gal millwhite MD and 1 bbl fresh water down casing, shutting well in for 15 hrs and blowing 3 hrs to clean up. Recovery approx. 3 bbl rotary mud and filtrate. Wellwas then turned back into line and produced at rate of approx. 340 MCF day for 10 days prior to new four point test. If you need any other information please let me know.

Yours very truly,
Kerr-McGee Oil Industries, Inc.

Otto C. Barton

Otto C. Barton
Division Supt. Oil and Gas Prod.
Box K, Sunray, Texas

OCB:bb

CC: B.G. Taylor w/attach.
Richard Otto
Harry Hamilton

32 x

June 9, 1959

Mr. T. L. Gambill
United States Potash Co.,
P. O. Box 271
Carlsbad, New Mexico

Dear Mr. Gambill:

We wish to acknowledge receipt of the samples for the Kerr-McGee Fee #1 well, located in Section 33, Township 20 N., Range 26 East, Apache County, Arizona.

We wish to thank you for your cooperation in the matter, and if we can be of additional service, please call on us.

Very truly yours,

STATE LAND COMMISSIONER

By: Frederick C. Ryan,
Supervisor,
Oil and Gas Conservation

mb

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9664

UNITED STATES POTASH COMPANY

DIVISION OF UNITED STATES BORAX & CHEMICAL CORPORATION

CARLSBAD, NEW MEXICO

P.O. Box 271

GENERAL OFFICES
50 ROCKEFELLER PLAZA
NEW YORK 20, N. Y.

June 5, 1959

Arizona State Land Department
422 State Office Building
Phoenix, Arizona

Attention: Mr. F. C. Ryan, Supervisor
Oil and Gas Conservation

Dear Mr. Ryan:

On this date we are returning to you, via insured parcel post, samples of the Kerr-McGee Fee #1 oil test.

We sincerely appreciate the privilege of examining these samples and wish to thank you very much.

Very truly yours,

Tom L. Gambill

Tom L. Gambill,
Geologist

/sh

RECEIVED
JUN 8 1959
STATE LAND DEPT.

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MEMBER AMERICAN POTASH INSTITUTE

32 ×

RAILWAY EXPRESS AGENCY

INCORPORATED

UNIFORM EXPRESS RECEIPT—NON-NEGOTIABLE—TERMS AND CONDITIONS

1. The provisions of this receipt shall inure to the benefit of and be binding upon the consignor, the consignee and all carriers handling this shipment and shall apply to any reconsignment, or return thereof.

2. In consideration of the rate charged for carrying said property, which is dependent upon the value thereof and is based upon an agreed valuation of not exceeding fifty dollars for any shipment of 100 pounds or less and not exceeding fifty cents per pound, actual weight, for any shipment in excess of 100 pounds, unless a greater value is declared at the time of shipment, the shipper agrees that the company shall not be liable in any event for more than fifty dollars for any shipment of 100 pounds or less, or for more than fifty cents per pound, actual weight, for any shipment weighing more than 100 pounds, unless a greater value is stated herein. Unless a greater value is declared and stated herein the shipper agrees that the value of the shipment is as last above set out and that the liability of the company shall in no event exceed such value.

3. Unless caused by its own negligence or that of its agents, the company shall not be liable for—

a Difference in weight or quality caused by shrinkage, leakage, or evaporation.
b The death, injury, or escape of live freight.
c Loss of money, bullion, bonds, coupons, jewelry, precious stones, valuable papers, or other matter of extraordinary value, unless such articles are enumerated in the receipt.

4. Unless caused in whole or in part by its own negligence or that of its agents, the company shall not be liable for loss, damage or delay caused by—

a The act or default of the shipper or owner.
b The nature of the property, or defect or inherent vice therein.
c Improper or insufficient packing, securing, or addressing.
d The Act of God, public enemies, authority of law, quarantine, riots, strikes, perils of navigation, the hazards or dangers incident to a state of war, or occurrence in customs warehouse.
e The examination by, or partial delivery to the consignee of C. O. D. shipments.
f Delivery under instructions of consignor or consignee at stations where there is no agent of the company after such shipments have been left at such stations.

5. Packages containing fragile articles or articles consisting wholly or in part of glass must be so marked and be packed so as to insure safe transportation by express with ordinary care.

6. When consigned to a place at which the express company has no office, shipments must be marked with the name of the express station at which delivery will be accepted or be marked with forwarding directions if to go beyond the express company's line by a carrier other than an express company. If not so marked shipments will be refused.

7. As conditions precedent to recovery claims must be made in writing to the originating or delivering carrier within nine months after delivery of the property or, in case of failure to make delivery, then within nine months and fifteen days after date of shipment; and suits shall be instituted only within two years and one day after the date when notice in writing is given by the carrier to the claimant that the carrier has disallowed the claim or any part or parts thereof.

8. If any C. O. D. is not paid within thirty days after notice of non-delivery has been mailed to the shipper the company may at its option return the property to the consignor.

9. Free delivery will not be made at points where the company maintains no delivery service; at points where delivery service is maintained free delivery will not be made at addresses beyond the established and published delivery limits.

Special Additional Provisions as to Shipments Forwarded by Vessel from the United States to Places in Foreign Countries.

10. If the destination specified in this receipt is in a foreign country, the property covered hereby shall, as to transit over ocean routes and by their foreign connections to such destination, be subject to all the terms and conditions of the receipts or bills of lading of ocean carriers as accepted by the company for the shipment, and of foreign carriers participating in the transportation, and as to such transit is accepted for transportation and delivery subject to the acts, tariffs, laws, regulations, and customs of overseas and foreign carriers, custodians, and governments, their employees and agents.

11. The company shall not be liable for any loss, damage, or delay to said shipment over ocean routes and their foreign connections, the destination of which is in a foreign country, occurring outside the boundaries of the United States, which may be occasioned by any such acts, tariffs, laws, regulations, or customs. Claims for loss, damage or delay must be made in writing to the carrier at the port of export or to the carrier issuing this receipt, within nine months after delivery of the property at said port or in case of failure to make such delivery then within nine months and fifteen days after date of shipment; and claims so made against said delivering or issuing carrier shall be deemed to have been made against any carrier which may be liable hereunder. Suits shall be instituted only within two years and one day after the date when notice in writing is given by the carrier to the claimant that the carrier has disallowed the claim or any part or parts thereof. Where claims are not so made, and/or suits are not instituted thereon in accordance with the foregoing provisions, the carrier shall not be liable.

12. It is hereby agreed that the property destined to such foreign countries, and assessable with foreign governmental or customs duties, taxes or charges, may be stopped in transit at foreign ports, frontiers or depositories, and there held pending examination, assessments and payments, and such duties and charges, when advanced by the company shall become a lien on the property.

To Destination Office: Carlsbad, New Mexico

Consignee: Mr. T. L. Gamble

Date Shipped: May 20 1959

Advances:

Street Address or Non-Agency Destination: 101 No. Galaqueno

Receipt Number: 09319

Value Charges: X X | X X

Name of Forwarding Office: (1613-M) Phoenix, Arizona (MP) (50-45)

Declared Value: 100.00

Express Charges: DO

Pieces: 1

Article: Bag

Description: Earth Samples

Weight:

Refrigeration Charges: NOT

Tax: USE

Shipper: State Land Dept

Class | Paid in Part

Storage: THESE

Total: SPACES

Shipper's Street Address: H-22 Am State Office Bldg

COLLECT (Original)

Scale or Rate | Priced by

C. O. D.

SHIPPER'S COLLECT RECEIPT

C. O. D. Service Charge Write in YES or NO: X

NOTE—The Company will not pay over $50, in case of loss, or 50 cents per pound, actual weight, for any shipment in excess of 100 pounds, unless a greater value is declared and charges for such greater value paid.

(Form 5081)

RAILWAY EXPRESS AGENCY

INCORPORATED

Received shipment described hereon, subject to the Classifications and Tariffs in effect on the date hereof, value herein declared by Shipper to be that entered in space hereon reading "Declared Value," which the Company agrees to carry upon the terms and conditions printed hereon, to which the Shipper agrees and as evidence thereof accepts this receipt.

		Number Pieces	Date	Hour
1	H. Swain	1	5-20 1959	2:50 P.M.

For the Company

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To the State Land Commissioner:

I, T. L. Gambill (Name of Individual), representing United States Potash Co. (Name of Company),

do hereby agree to accept the following samples for the Colgrove-Hortenstine #58 (Kerr-McGee Fee #1) (Name of Well), located in Section 33, Township 20-N

Range 26-E, Apache (County), Arizona, consisting of core samples,

or if unavailable, well cuttings for interval 1,492' - 2,310'

I further agree not to cut, contaminate or damages these samples in any way, and to return them within a 30-day period. All freight charges will be prepaid by United States Potash Company (Name of Company).

T L Gambill
(Signature)

United States Potash Company
(Company)

101 North Halagueno
(Street)

Carlsbad, New Mexico
(City) (State)

(For Office Use Only)

Date Samples Shipped 5-20-59

Date Samples Returned 6-8-59

~~(This form to be filed in duplicate.)~~

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32 × 1

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May 12, 1959

United States Potash Company
P. O. Box 271
Carlsbad, New Mexico

Attention: Tom L. Gambill,
Geologist

Dear Mr. Gambill:

Thank you for your letter of May 8th in which you have requested the samples for the Colgrove-Hortenstine #58, now known as Kerr-McGee Oil Industries, Fee #1, located in Section 33, Township 20 North, Range 26 East, Apache County, Arizona.

We are inclosing several sample responsibility forms, one of which please execute for the above named well. Upon receipt in this office of the executed copy, we will ship to you via railway express collect three boxes containing the samples from this well.

In answer to your question regarding a copy of the sample log on this well, we regret that one is not available. However, we do have copies of Temperature and Radio Activity logs in our files, which may be examined in this office.

Please let us know if we can be of service to you.

Very truly yours,

STATE LAND COMMISSIONER

By: Frederick C. Ryan,
Supervisor,
Oil and Gas Conservation

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mb
Encls.

UNITED STATES POTASH COMPANY

DIVISION OF UNITED STATES BORAX & CHEMICAL CORPORATION

CARLSBAD, NEW MEXICO

GENERAL OFFICES
50 ROCKEFELLER PLAZA
NEW YORK 20, N. Y.

K-Mc Fee #1

#212
33xS

May 8, 1959

Arizona State Land Department
422 State Office Building
Phoenix, Arizona

Gentlemen:

We are interested in an oil test, Colgrove-Hortenstine #58, in Section 33, Township 20 North, Range 26 East, Apache County, Arizona. It is our understanding that the test encountered salt in the interval from 1,490 feet to 2,310 feet.

It is rumored that several cores were taken in this section, and that samples of the cores were submitted for storage to some Arizona State agency. We were wondering if you had these cores in your files or if you had available a copy of the sample log of the well.

Any assistance that you might give us in this matter would be very much appreciated.

Yours very truly,

Tom Gambill

Tom L. Gambill,
Geologist

TLG/sh

7924

RECEIVED
MAY 11 1959
STATE LAND DEPT.

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32 × 1

October 25, 1957

H. B. Thomas & Company, Agent
Saint Paul Mercury Indemnity Company
510 Battery Street
San Francisco, California

Gentlemen:

The conditions of the obligation of Chas. Schmitz, 510 Battery Street, San Francisco, California, principal, Bond No. 985374, St. Paul-Mercury Indemnity Company, St. Paul, Minnesota, surety, having been discharged and/or assumed by successors in right, Bond No. 985374 is hereby released, effective this date.

Very truly yours,

STATE LAND DEPARTMENT

Obed M Lassen

Obed M. Lassen,
State Land Commissioner

OML:FCR:
mb
cc - Chas. Schmitz
A. T. House, Sr.

P

NOTICE TO COMPANY'S REPRESENTATIVE

This Notice is an exact copy of our record [redacted] he Bond described herein. Please report any discrepan[redacted] between this record and yours.

PRINCIPAL (NAME AND ADDRESS)	BOND [redacted]
CHAS. SCHMITZ 510 BATTERY T. SAN FRANCISCO, CALIFORNIA	985374
OBLIGEE (NAME AND ADDRESS)	AGENT FILE NO.
STATE OF ARIZONA	

STATE CHARGED	CODE STATE	CODE CITY OR CO.	AGENT	AGENCY NO.
6837	02	OO	H. B. THOMAS & CO. 510 BATTERY ST. SAN FRANCISCO, CALIFORNIA	040705/ O[illegible]

EFFECTIVE DATE	TERM	EXPIRATION DATE	COVERAGE	COMM. RATE
10/11/57		1 10/11/58		20

CLASS	AMOUNT	PREMIUM	RENEWAL PREM.
45-45-0429-08 wl 9/11/57	$10,000		$75.00

COURT	COUNTY	METHOD OF RENEWING
		A-J

DESCRIPTION

DRILLING OIL & OR GAS WELL, 7TH YR PREM.

12090 REV. 4-50

When corresponding with Home Office concerning this bond, please refer to "Bond Number" shown in upper right hand corner.

We take this opportunity to thank you for your business.

St. Paul Companies

Please report on this case as of expiration date in accordance with requirements as stated in instructions on the reverse side of this notice.

Apply "Method of Renewing Bond" as indicated by Letters A, B, and C.

A. Bond continues indefinitely; renewal certificate is not necessary and must not be issued unless specifically authorized by the Company. Renewal premiums must be collected and remitted unless conclusive termination evidence is secured and delivered to the Company before expiration date.

B. Bond expires definitely by limitations but may be continued by the issuance of the Company's standard Renewal Certificate; solicit renewal and advise promptly whether or not Renewal Certificate is to be issued.

C. Bond expires definitely by limitation; if new bond is required, secure completed application and handle throughout as a new case.

(over)

INSTRUCTIONS TO AGENTS RE: TERMINATION [illegible]ENCE

Note the Classification of Bond as S[illegible] on Reverse Side Hereof and Refer to the Paragrap[illegible]reunder Applicable to Bond of that Classification.

Fidelity Bonds, Bankers' Blanket Bonds, Fo[illegible] Bonds and Policies

"A" Renewals—To terminate liability procure return of original bond with endorsement thereon by obligee to the effect that bond is surrendered for cancellation as of a certain date. If original bond is not returned we will accept, in lieu thereof, a letter over the signature of the obligee, giving accurate description of the bond and stating, that it is to be cancelled as of a certain date or a release signed and sealed.

If termination evidence is not supplied, collection of premium is the only requirement except that renewal schedules of employees must be issued annually on all Fidelity Schedule bonds and certain information must be submitted to the Company each year in connection with Blanket Fidelity Bonds and Bankers' Blanket Bonds. All bonds of this classification contain 30-day cancellation clause, and cancellation notices will be issued by the Company unless premium is promptly collected and remitted.

"B" Renewals—Bonds expire definitely by limitation. No "termination evidence" need be secured to terminate liability unless renewal premium has already been accepted and renewal certificate issued in which case the same rules apply as on "A" Renewal Forms.

These bonds may be continued by issuance of a renewal certificate.

"C" Renewals—Bonds expire definitely by limitation and no "termination evidence" is required. Renewal should be handled as a new case.

Public Official Bonds (All other than Federal Official)—To effect cancellation prior to expiration of term for which official was elected or appointed, procure statement over signature of supervising officer, or certified copy of resolution by supervising board or council, etc., setting forth that our bond was discharged as of a certain date and giving reason for this discharge.

If official's term of office has expired, procure statement from authorized official or supervising board or council, to the effect that successor to our principal has been duly elected and qualified for office.

If official continues in office, collect annual renewal premium and procure report setting forth status of accounts.

The filing of a new bond during the term of office does not operate to discharge a bond for public official unless the law expressly provides for discharge of surety in this manner.

Federal Official and Employees—To terminate liability, procure written statement from supervising official of the Department of the Federal Government where bond was filed giving date and cause of termination of liability. Bonds of this classification may be terminated only upon transfer, resignation, removal or death of the Official, or employee, or upon the filing of a new bond if required by proper Federal Department.

If termination evidence is not supplied, collection of renewal premium is the only requirement.

**Bonds for Fiduciaries in Probate and Bankruptcy Proceedings*—To terminate liability, procure from principal or principal's attorney, copy of docket entry showing that estate has been closed on the Court Records and all necessary receipts and releases filed. Secure copy of final account whenever possible. On small bonds, letter, from Agent or Attorney in the case, stating that estate has been closed of record and all necessary receipts and releases filed will be satisfactory.

If termination evidence is not supplied renewal premium should be collected and Home Office records satisfied with report as to status of case.

**Bonds for Litigants in Court Proceedings*—To terminate liability, procure from principal or principal's Attorney, a certified copy of Court Record showing that litigation in connection with which our bond is filed has been concluded and judgment and costs satisfied of record. On bonds not exceeding $2,000 each (excepting cases where collateral deposit is made) the Company will accept, as termination evidence, a letter from Agent or Attorney for principal setting forth that Court Records have been examined and show that the case has been settled and judgment and costs paid.

If termination evidence is not supplied collection of renewal premium is the only requirement.

Contract Bonds—If contract has been completed, procure written statement over the signature of Owner or Obligee in bond or architect or engineer in charge of work giving date of completion and acceptance of contract; showing also total amount paid to contractor and balance due if any.

If contract has not been completed, collect renewal premium and procure from Obligee or Architect or Engineer advice as to probable date of completion, and total amount paid contractor to date.

Customs and Internal Revenue, Etc.—To terminate liability, procure written statement from Collector of Internal Revenue, Customs Official or other Officer of the Federal Government with whom bond was filed, setting forth that liability under our bond was terminated by the filing of account and/or by the payment of taxes due or by the filing of a new bond if such has been required.

If termination evidence is not supplied collection of renewal premium is the only requirement.

License and Permit, Franchise, and Other Miscellaneous Bonds—To terminate liability, endeavor to procure return of original bond with endorsement thereon to the effect that it is surrendered for cancellation, or in lieu of original bond procure letter from supervising official or a certified copy of resolution by Supervising Board, Council, etc., setting forth that license permit, franchise or other undertaking guaranteed by our bond has been cancelled as of a certain date and surety released.

If termination evidence is not supplied, collection of annual renewal premium is the only requirement.

**NOTE CAREFULLY*—Certified copies of Court Records and/or documentary evidence as to termination of liability or status of case must be procured without cost to the Company in accordance with agreement made by principal in application for bond.

ST. PAUL COMPANIES ST. PAUL, MINNESOTA

TELEPHONE
EXbrook 2-0764

H. B. THOMAS & CO.
CUSTOMS BROKERS AND FORWARDING AGENTS
510 BATTERY STREET
SAN FRANCISCO 11, CALIFORNIA

CABLE ADDRESS
"HBTHOMASCO"

September 25th.
1957

13112

RECEIVED
OCT 4 1957
STATE LAND DEPT.

Mr. A.T.House,Sr.,
Suite 214 Mayer/Heard Bldg.,
Phoenix, Arizona.

My dear Ted:-

The question is back again re the "Drilling Bond".

As explained previously I paid the last $75.00 premium and do not feel it my obligation to pay the attached.

Will you not please arrange to secure for me a "Certificate" issued by the Land Commissioner or the Oil & Gas Division or whoever may be responsible, indicating that the wells on the property particularly the "Macie No2" have met with all State requirements, with such a document, the bond outstanding will not be cancelled but made in-operative with no further premiums to pay.

Please makenthis your first business and advise me promptly, also favor me with any further news you may have re"Kerr-Mc.Gee" activities, thanks-

Friend,

Saint Paul Mercury Indemnity Co
Agent: H.B.Thomas Co.
510 Battery Street
S.F., Calif.

10

Los Angeles
10/2/57

Arizona State Land Dept.
Mr Louis Duncan

Dear Sir:

Will you please on behalf of Chas Schmitz and the Apache Oil & Helium Corp. issue whatever is needed to release this drilling bond as Apache has assigned all the leases involved to Kerr-McGee.

Thanks in advance.

Apache Oil & Helium Corp.
% A. J. Hoare Sr. President.
930 West Olympic Blvd.
% Olympic Auto Lodge.
Los Angeles
California

A. T. Hourle.

AUTO LODGE
OLYMPIC
930 WEST OLYMPIC BOULEVARD
LOS ANGELES 15, CALIFORNIA

LOS ANGELES CALIF. OCT 3 3 30PM 1957

Arizona State Land Office
Capitol Annex
Phoenix
Arizona

Attn. Louis Duncan

January 28, 1957

Mr. Charles Schmitz
510 Battery Street
San Francisco 11, California

Dear Mr. Schmitz:

Inasmuch as the drilling operations have been taken over by the Kerr-McGee Oil Industries, we were wondering if you would like to have the bond in the amount of $10,000.00 held by the St. Paul-Mercury Indemnity Company released. This document carries October 11th, 1951 as the anniversary date.

We would like to hear from you in respect to this bond, and would also appreciate having the correct mailing address of the bonding company.

Thank you for your cooperation in this matter.

Very truly yours,

STATE LAND DEPARTMENT

Louis C. Duncan,
Manager

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32 x

September 12, 1951

Mr. Francis Wilson,
Attorney at Law,
411 Phoenix National Bank Building,
Phoenix, Arizona.

Dear Sir:

On my last visit to the Colgrove-Hortenstine well, Mr. Phillip W. Johnson and I found that the cores from the well were apparently abandoned in the doghouse. The State has its cut, and if the drilling company does not intend to do anything further with these cores, I suggest that you give this office permission to communicate with the Four Corners Sample Cut, Farmington, New Mexico. This Company would then be able to pick up the sample, spread them and make them available for study for interested parties.

Very truly yours,

L. A. Heindl, Geologist
State Land Department

LAH/kh

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June 15, 1951

Mr. L. C. Halpenny
Box 601
Holbrook, Arizona

Dear Len:

Thanks.

Did Galloway pick up the Finta cores samples OK? If you have time to make a rough run of the cores, I would appreciate a copy--as would Mr. Bentz.

Am writing McKee and he may want to make a more detailed check.

Have heard that Joseph Irving, drilling contractor, is drilling some deep water wells around Cameron. You may be interested--or may know already.

Very truly yours,

L. A. Heindl
Geologist

LAH/mwl
Enclosure

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June 7, 1951

Mr. Henry Hortenstine,
Navajo, Arizona

Dear Mr. Hortenstine:

Referring to your letter regarding application to drill an oil well. The application was filed by the Kipling Petroleum Company, and is registered as Macia No. 2. We cannot change the name without authorization from the parties who file the application.

Yours very truly,

James R. Burger
Deputy State Land Commissioner

JRB/as

STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

TO : Leo Hendl, Tucson, Arizona. DATE: June 1, 1951

FROM : L. C. Halpenny, Box 601 - Holbrook, Arizona.

SUBJECT: Water analyses and logs on oil tests.

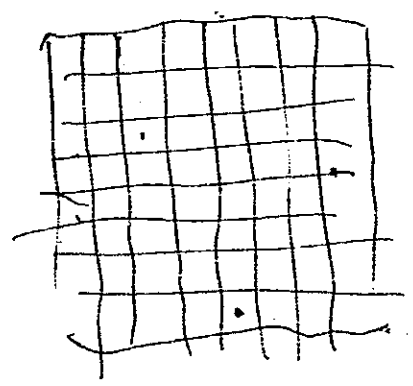
Attached is all the data I have on the Cobb well, Gray Mountain well, and Kipling well. Copy whatever you wish and then mail this dope back to Holbrook because I don't have duplicates here.

I thought there was a second analysis on the Kipling well, collected from about 765 feet. I can't find it however. You might write Johnny and ask him if two samples were analyzed. I seem to remember a total solids of 12,000 parts per million.

Leonard C. Halpenny
Engineer

LH:mf

Enclosure



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HENRY HORTENSTINE MARK HORTENSTINE ROBERT HORTENSTINE

HORTENSTINE LAND & CATTLE COMPANY

GAYS, ILLINOIS Navajo Arizona BOISE CITY, OKLAHOMA

May 22 51

Mr. Duncan
Deputy State Land Com.
Phoenix, Arizona

RECEIVED
MAY 24 1951
STATE LAND DEPT.
OF ARIZONA

Dear Mr. Duncan

I am getting an oil test on my ranch here at Navajo on section 33, T20N, 26E. It will be a ten acre pattern, should the well be productive, located in S.W. 1/4 of SW 1/4 of the S.E. 1/4.

Now, Mr. Duncan, I want to know, at your earliest convenience, if the test is registered with the State and if so in what or whose name. It should be Hortenstine No 1. If it is not, register it and send me the bill.

Thank you very much.

Yours truly
Mark Hortenstine
Navajo, Ariz.

Cedar Mesa #2 W.I. Ref.
If a name change is required it must be authorized by those who filed application.

SUNLAND OIL CORPORATION

620 Luhrs Building
Phoenix, Arizona

May 16, 1951

RECEIVED
MAY 17 1951
STATE LAND DEPT.
OF ARIZONA

State Land Department
Phoenix
Arizona

Attention: Mr. Louis Duncan

Gentlemen:

Mr. Cody Harris has advised me that drilling operations started on May 14, 1951, on the Pinta Structure with the well location in Sec. 33, Twp. 20N, Rge. 26E, Navajo County, Arizona. It is my understanding that you have the correct location of the well.

Yours very truly,

SUNLAND OIL CORPORATION

By: George C. Creager
President

GCC/his

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