

P.W.

CONFIDENTIAL

Release Date _____

DRILL STEM TEST

NO.	FROM	TO	RESULTS
1	3248	3254	Initial & Final flow "0" Rec. 2150 C.C. Fresh water
			For details see Geological Report in log file

CORE RECORD

NO.	FROM	TO	RECOVERY	REMARKS
				Sidewall cores #1 3044 to 3448
				See details in Geological Report

REMEDIAL HISTORY

DATE STARTED - COMPLETED	WORK PERFORMED	NEW PERFORATIONS

ADDITIONAL INFORMATION

This well started Prod fresh water just below surface csg. Water flow increased on through Supte. (Orig. with air)

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

DESIGNATE TYPE OF COMPLETION:

New Well Work-Over Deepen Plug Back Same Reservoir Different Reservoir Oil Gas Dry

DESCRIPTION OF WELL AND LEASE

Operator: **Wichita Industries, Inc.** Address: **3430 Entex Building, c/o K & A, Inc., Houston, Texas 77002**
 Federal, State or Indian Lease Number or name of lessor if fee lease: **A-8538** Well Number: **1-1** Field & Reservoir: **Wildcat**
 Location: **Center of SE of SE of Section 1** County: **Coconino**
 Sec. TWP-Range or Block & Survey: **T-19-N, R-7-E G & SRB & M Survey**

Date spudded: **8/7/76** Date total depth reached: **8/23/76** Date completed, ready to produce: **None** Elevation (DF, REB, RT or Gr.): **7174** feet Elevation of casing hd. Gauge: **7174** feet
 Total depth: **3512'** P.B.T.D. Single, dual or triple completion? **-** If this is a dual or triple completion, furnish separate report for each completion: **-**

Producing interval (s) for this completion: **None** Rotary tools used (interval): **-** Cable tools used (interval): **-**
 Was this well directionally drilled? **No** Was directional survey made? **No** Was copy of directional survey filed? **-** Date filed: **-**

Type of electrical or other logs run (check logs filed with the commission): **Dual Induction Laterolog & Compensated Neutron Formation Density** Date filed: **-**

CASING RECORD

Casing (report all strings set in well—conductor, surface, intermediate, producing, etc.)

Purpose	Size hole drilled	Size casing set	Weight (lb./ft.)	Depth set	Sacks cement	Amt. pulled
	12-1/4"	9-5/8"	32.3#	404.39	250 sx	None

TUBING RECORD

LINER RECORD

Size in.	Depth set - ft.	Packer set at - ft.	Size in.	Top - ft.	Bottom - ft.	Sacks cement	Screen (ft.)

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft.	Size & type	Depth Interval	Amt. & kind of material used	Depth Interval

INITIAL PRODUCTION

Date of first production: **12/1/76** Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump): **DEC 6 1976**

Date of test	Hrs. tested	Choke size	Oil prod. during test bbls.	Gas prod. during test MCF	Water prod. during test bbls.	Oil gravity ° API (Corr)

Tubing pressure: **-** Casing pressure: **-** Cal'd rate of Production per 24 hrs.: **-** Oil bbls.: **-** Gas MCF: **-** Water bbls.: **-** Gas-oil ratio: **-**

Disposition of gas (state whether vented, used for fuel or sold): **-**

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the **agent** of the **Wichita Industries, Inc.** (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.

Date: **12/1/76** Signature: **Boyle H. Peave**
O & G CONS. COMM.

Permit No: **661** STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Well Completion or Recompletion Report and Well Log Form No. 4 File One Copy

DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*	
FORMATION TOPS				
Surface Elevation = <u>7174'</u>				
	<u>Tops</u>		<u>Depth from Surface</u>	<u>Sub Sea</u> (+ or -)
	TERTIARY	BASALT	Surface	+7174'
	PERMIAN			
	Kaibab		85'	+7089'
	Coconino		390'	+6784'
	Supai		1062'	+6112'
	Fort Apache		1788'	+5386'
	PENNSYLVANIAN			
	Naco		2680'	+4494'
	Molas		2948'	+4226'
	MISSISSIPPIAN			
	Redwall		2970'	+4204'
	DEVONIAN			
	Martin		3070'	+4104'
	Top Reef		3282'	+3892'
	Bottom Reef		3450'	+3724'
	PRE CAMBRIAN			
	Estimated Granite		3525'	+3649'
	TOTAL DEPTH		3512'	+3662'

* Show all important zones of porosity, detail of all cores, and all grill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

INSTRUCTIONS:

Attach drillers log or other acceptable log of well.

This Well Completion or Recompletion report and well log shall be filed with the State of Arizona Gas Conservation Commission not later than thirty days after project completion.

PLUGGING RECORD

Operator Wichita Industries, Inc.		Address 3430 Entex Building c/o K & A, Inc./ Houston, Texas 77002		
Federal, State, or Indian Lease Number, or lessor's name if fee lease. A-8538		Well No. 1-1	Field & Reservoir Wildcat	
Location of Well Center of SE of SE of Section 1, T-19-N R-7-E G&SRB&M				County Coconino
Application to drill this well was filed in name of Wichita Industries	Has this well ever produced oil or gas No	Character of well at completion (initial production): Oil (bbls/day) None Gas (MCF/day) None Dry? Yes		
Date plugged: 10/6/76	Total depth 3512	Amount well producing when plugged: Oil (bbls/day) None Gas (MCF/day) None Water (bbls/day) None		
Name of each formation containing oil or gas. Indicate which formation open to well-bore 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	
None				
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.)
9-5/8"	404.39	None	404.39	
Was well filled with mud-laden fluid, according to regulations? Yes			Indicate deepest formation containing fresh water. Devonian	
NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE				
Name	Address		Direction from this well:	
None				
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.				
Set Halliburton EZ-SV squeeze packer at 2710'. Ran 10 sx of Cal Seal on top of packer & 100 sx of Class H cement w/2% CaCl on top of Cal Seal. Tagged top of cement @ 2500', turned well over to City of Flagstaff as per agreement attached.				
Use reverse side for additional detail.				
CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the <u>agent</u> of the <u>Wichita Industries, Inc.</u> (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.				
Date 10/8/76	Signature <i>[Handwritten Signature]</i>			
Permit No. 661	STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Plugging Record File One Copy			
	Form No. 10			

APPLICATION TO ABANDON AND PLUG

FIELD Wildcat
 OPERATOR Wichita Industries, Inc. ADDRESS K & A, Inc., 3430 Entex Bldg.
 Federal, State, or Indian Lease Number Houston, Texas 77002
 or Lessor's Name if Fee Lease _____ WELL NO. 1-1
 LOCATION Center of SE of SE of Section 1, T-19-N, R-7-E

TYPE OF WELL Dry Hole TOTAL DEPTH 3512'
(Oil, Gas or Dry Hole)
 ALLOWABLE (If Assigned) _____
 LAST PRODUCTION TEST OIL _____ (Bbls.) WATER _____ (Bbls.)
 GAS _____ (MCF) DATE OF TEST _____
 PRODUCING HORIZON _____ PRODUCING FROM _____ TO _____

1. COMPLETE CASING RECORD.

10 jts. 9-5/8" OD 32.3# R-3 casing set @ 404.39'. Cemented w/250 sxs Class B Neat Cement

2. FULL DETAILS OF PROPOSED PLAN OF WORK

10/5/76 Set Halliburton EZ-SV squeeze packer at 2710'. Ran 10 sxs of Cal Seal on top of packer and 100 sxs of Class H cement w/2% Calcium Chloride on top of Cal Seal.

10/6/76 Tagged top of cement at 2500'. Turned well over to city of Flagstaff as per agreement attached.

DATE COMMENCING OPERATIONS Verbal consent given by Mr. Allen
 NAME OF PERSON DOING WORK Halliburton ADDRESS Farmington
 Signature *Hyde H. Leamer*
 Title Chief Production Clerk
 Address 3430 Entex Building, Houston, Texas 77002
 Date October 8, 1976

Date Approved _____
 STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 By: _____

STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Application to Abandon and Plug
 File Two Copies
 Form No. 9

Permit No. 661

TO: Oil and Gas Conservation Commission
State of Arizona

This is to advise you that I accept the abandoned wildcat well, known as the
Federal No. 11 located on the SE-SE $\frac{1}{4}$ - $\frac{1}{4}$
of Section 1 Township 19N Range 7E, County of Coconino
Arizona, as a water well to be used for domestic purposes.

Further, I accept full responsibility for the proper maintenance and use of
the above well, including final plugging, in full compliance with the Rules
and Regulations adopted by the Oil and Gas Conservation Commission.

I understand that I am responsible for compliance with the provisions of the
State Water Code, Chapter 1, Title 45, Arizona Revised Statutes and with any
applicable requirements of U.S. Geological Survey

CITY OF FLAGSTAFF
Signature Robert L. Moody Mayor
Address P.O. Box 1208
Flagstaff, AZ 86002

State of ARIZONA
County of Coconino

On this, the 4 day of OCTOBER, 1976, before me, _____

PEGGY S. HATCH, the undersigned officer, personally appeared

ROBERT L. MOODY, Mayor of Flagst^{aff}, known to me (or satisfactorily proven)
to be the person whose name is subscribed to the within instrument and ack-
nowledged that ROBERT L. MOODY executed the same for the
purpose therein contained.

In witness whereof I hereunto set my hand and official seal.

Notary Public Peggy S. Hatch

My Commission expires _____ My Commission Expires Aug. 20, 1979

Permit No. 661

State of Arizona
OIL & GAS CONSERVATION COMMISSION
WATER WELL ACCEPTANCE
Form 26 - File one copy

MANGUM, WALL AND STOOPS
ATTORNEYS AT LAW
222 EAST BIRCH AVENUE
FLAGSTAFF, ARIZONA 86001

H. KARL MANGUM
DOUGLAS J. WALL
RICHARD K. MANGUM
DANIEL J. STOOPS
GERALD W. NABOURS
TONY S. CULLUM

September 29, 1976

NEIL V. CHRISTENSEN
1923-1966
MAILING ADDRESS: P. O. Box 10
TELEPHONE 774-6664

City of Flagstaff
P. O. Box 1208
Flagstaff, Arizona 86002

ATTENTION: Terry Hance
Assistant City Attorney

Re: Wichita Industries Oil Well
Federal No. 1-1
Section 1, Township 19 N, Range 7 E,
Coconino County

Gentlemen:

In connection with the negotiations that have been carried on with respect to the transfer of any interest in the above referenced well to the City of Flagstaff, we make the following proposal to the City, namely:

Wichita Industries will set all plugs required in the well by the United States Geological Survey and the United States Forest Service through the naco formation at 2600 feet depth.

The City will accept the well after such plugging and relinquishment by Wichita and thereafter when they have finished with the well the City will set the required plug at the shoe on the base of the surface casing, set the surface plug, the surface monument and do all necessary area clean-up as required by the referenced agencies.

If the foregoing conditions are acceptable to the City, would you please acknowledge the same by securing the signature of the proper City officials to a copy of this letter and return to the undersigned at my office in Flagstaff.

Very truly yours,

MANGUM, WALL AND STOOPS


H. K. Mangum

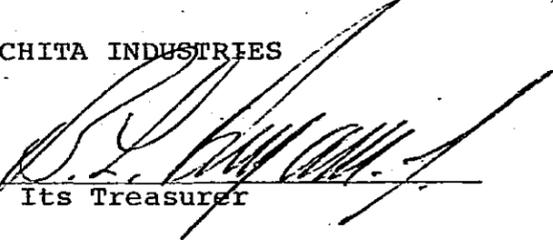
MANGUM, WALL AND STOOPS

City of Flagstaff
September 29, 1976
Page Two

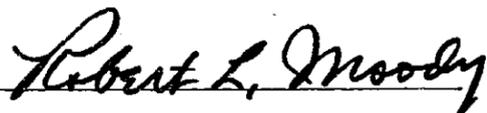
The foregoing proposal has been considered by the City staff in connection with the requirements of the United States Geological Survey and the United States Forest Service and subject to the following limiting conditions, the City will accept responsibility for said well and the requirements of said agencies:

- (1) The City will guarantee to Wichita Industries that at the completion of our testing of the Redwall-Martin aquifer we will plug off the lower portion of the well to the satisfaction of the United States Forest Service and the United States Geological Survey, and will also replace the plug in the naco and meet Forest Service requirements for completion at the surface.
- (2) As outlined Wichita Industries will place one (1) plug at this time in the area of the naco, approximately 2650 feet.
- (3) It is understood that because Wichita Industries is the entity bonded to meet the requirements of said agencies that said bond will necessarily remain posted until all of the foregoing requirements have been accomplished and the City will fulfill such requirements to the end that upon its abandonment of the well said bond can be released and exonerated. If any renewal premium on said bond is required, the City will pay the same.

WICHITA INDUSTRIES

By 
Its Treasurer

CITY OF FLAGSTAFF

By 



GEOLOGICAL REPORT

WICHITA INDUSTRIES, INC.

Federal #1
C SE SE Section 1
T 19 N, R 7 E
Coconino County, Arizona

RECEIVED
SEP 20 1976
O & G CONS. COMM.

Geologist:
Robert Schulz
Kittredge, Colorado

Lele!

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RESUME

OPERATOR: Wichita Industries, Inc.
WELL NAME & NUMBER: Federal #1
LOCATION: T 19 N, R 7 E
Sec. 1, C SE SE
AREA: SE Flagstaff, Arizona
COUNTY: Coconino
STATE: Arizona
ELEVATION: 7174 GL. 7186 KB.
ENGINEER: Ray Hargrove
GEOLOGIST: Robert Schulz
SPUD DATA: August 7, 1976
COMPLETION DATE: August 23, 1976
HOLE SIZE: 12 1/4" to 400'
8 1/8" to TD
CASING: 9 5/8 to 405' GL
CEMENTING: Halliburton
CONTRACTOR: Signal Oilfield Service
EQUIPMENT: Rig #20
TOOLPUSHER: Charlie Jesser
DRILLERS: Harrison, Craven, McCarty, Forsythe
DRAWWORKS: Emsco
DERRICK: Ideco
PUMP: Ernsco 500 16"
FXK 14"

DATE: 1/21/60

DRILLER: J. J. [unclear]

8 - 1 1/2"
16 - 5/8"

DRILL PIPE:

4 1/2"

DRILL LOG TAGS:

McDonnell, Inc.

LOG TYPE:

Oil Water

LOG ENGINEER:

Harry O'Neira

LOG LOGGING:

McDonnell Engineering, Inc.

TYPE UNIT:

One man hydrograph and geology

ENGINEER:

Hubert Schulz

CORES:

DRILL STEM TESTS:

Company: Schlumberger Formation: Various strata - Interval: 3248-3258
Sidevall

ELECTRIC LOGS:

Company: Halliburton Tester: Keith Formation: Martin-Devonian Interval: 3248-3512
Schlumberger

TYPE LOGS:

Dual Induction - Laterlog 100' - 3499'
Compensated Neutron Formation Density
100' - 3499'

ENGINEER:

Nick Willyen

TOTAL DEPTH:

3612' driller; 3502' logger

DISKING TIME:

Martin-Devonian

BOTTOM FORMATION:

Section unavailable - further tests to be carried out

WELL STATUS:

Sample quality fair - good Surface - 3000'
100' - 3499'
100' - 3499'
Drilling with no returns 3000' - 3512'

ADDITIONAL COMMENTS:

RESUME cont'd

DRILL COLLARS: 5 - 6 1/8"
15 - 5 3/4"

DRILL PIPE: 4 1/2"

DRILLING MUD: Wilson Mud, Int.

MUD TYPE: Gel Water

MUD ENGINEER: Barry O'Meara

MUD LOGGING: Monaco Engineering, Inc.

TYPE UNIT: One man mudlogging and geology

ENGINEER: Robert Schulz

CORES:

<u>Company</u>	<u>Formation</u>	<u>Interval</u>
Schlumberger	Various shots -	Sidewall

DRILL STEM TESTS:

<u>Company</u>	<u>Tester</u>	<u>Formation</u>	<u>Interval</u>
Halliburton	Keith	Martin-Devonian	3248- 3512'

ELECTRIC LOGS: Schlumberger

TYPE LOGS: Dual Induction - Laterlog 400' - 3496'
Compensated Neutron-Formation Density
404' - 3499'

ENGINEER: Nick Wiltgen

TOTAL DEPTH: 3512' driller; 3502' logger

DRILLING TIME:

BOTTOM FORMATION: Martin-Devonian

WELL STATUS: Decision unavailable - further tests to
be carried out

ADDITIONAL COMMENTS: Sample quality fair - good Surface - 3000'
Limited returns 3000' - 3205'
Drilling with no returns 3205' - 3512'

SUMMARY AND CONCLUSIONS

The Wichita Industries, Inc. Federal #1 was spudded on August 7, 1976 and drilled to a total depth of 3512' on August 23, 1976. The well spudded in Tertiary basalt and penetrated the Devonian Martian formation. The primary objective was the porous dolomite reef of the Devonian Martin formation.

No evidence of staining, cut or gas shows were encountered while drilling. There were no sample returns between 3205' to 3512'. Apparent porosity between 3282' to 3450' on electric logs resulted in the decision to run sidewall cores and one drill stem test. Results from both proved to be unsatisfactory, so the official status of the well has not yet been determined.

FORMATION TOPS

Surface Elevation = 7174'

<u>Tops</u>	<u>Depth from Surface</u>	<u>Sub Sea</u> (+ or -)
TERTIARY BASALT	Surface	+7174'
PERMIAN		
Kaibab	85'	+7089'
Cocorino	390'	+6784'
Supai	1062'	+6112'
Fort Apache	1788'	+5386'
PENNSYLVANIAN		
Naco	2680'	+4494'
Molas	2948'	+4226'
MISSISSIPPIAN		
Redwall	2970'	+4204'
DEVONIAN		
Martin	3070'	+4104'
Top Reef	3282'	+3892'
Bottom Reef	3450'	+3724'
PRE CAMBRIAN		
Estimated Granite	3525'	+3649'
TOTAL DEPTH	3512'	+3662'

Schlumberger

DUAL INDUCTION LATEROLOG
WITH LINEAR CORRELATION LOG

COUNTY _____
FIELD or LOCATION _____
WELL _____
COMPANY _____

COMPANY WICHITA INDUSTRIES INC.
WELL Federal #2
FIELD W/L
COUNTY Cocconino STATE ARIZONA
Location: API Serial No. _____
Sec. 1 Twp. 19N Rge. 7E
Other Services: PDC-ENVL-OR
HAT

Permanent Datum: _____
Log Measured From K13 _____; Elev.: 2174
Drilling Measured From K13 _____, 12 ft. Above Perm. Datum

Elev.: K.B. 2186
D.F. _____
G.L. 2194

Date	<u>8/23/76</u>
Run No.	<u>ONE</u>
Depth-Driller	<u>3512</u>
Depth-Logger	<u>3502</u>
Btm. Log Interval	<u>3496</u>
Top Log Interval	<u>400</u>
Casing-Driller	<u>9 1/4 @ 400</u>
Casing-Logger	<u>400</u>
Bit Size	<u>5 Y4</u>
Type Fluid in Hole	<u>Oil & Soap Water</u>
Fluid Level	<u>N.A.</u>
Dens. Visc.	<u>N.A.</u>
PH	<u>N.A.</u>
Fluid loss.	<u>N.A.</u>
Source of Sample	<u>N.A.</u>
Rm. @ Meas. Temp.	<u>N.A.</u>
Rmf @ Meas. Temp.	<u>N.A.</u>
Rmc @ Meas. Temp.	<u>N.A.</u>
Source: Rmf	<u>N.A.</u>
Rmc	<u>N.A.</u>
Rm @ BHT	<u>N.A.</u>
Time Since Circ.	<u>Lost Circ.</u>
Max. Rec. Temp.	<u>127M</u>
Equip. Location	<u>7761 PARR</u>
Recorded By	<u>WITSEN</u>
Witnessed By	<u>MAR HENDER</u>

CONDUCTIVITY
MILLIMHOS/M = $\frac{1000}{\text{OHMS. M}^2/\text{M}}$

DEEP INDUCTION LOG

400 200 0

RESISTIVITY
OHMS. M²/M

DEEP INDUCTION LOG

0 1000

AVERAGED LATEROLOG - 8

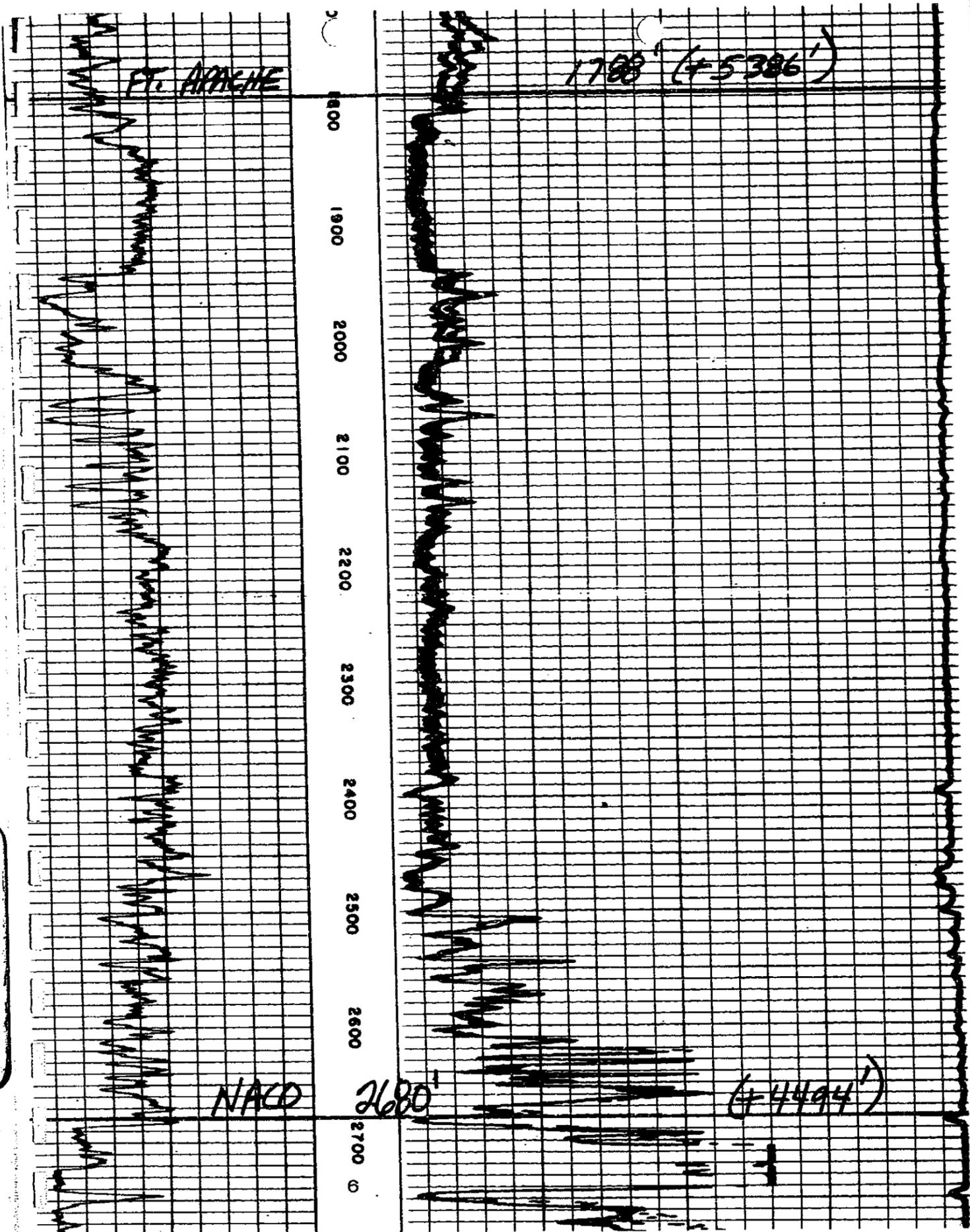
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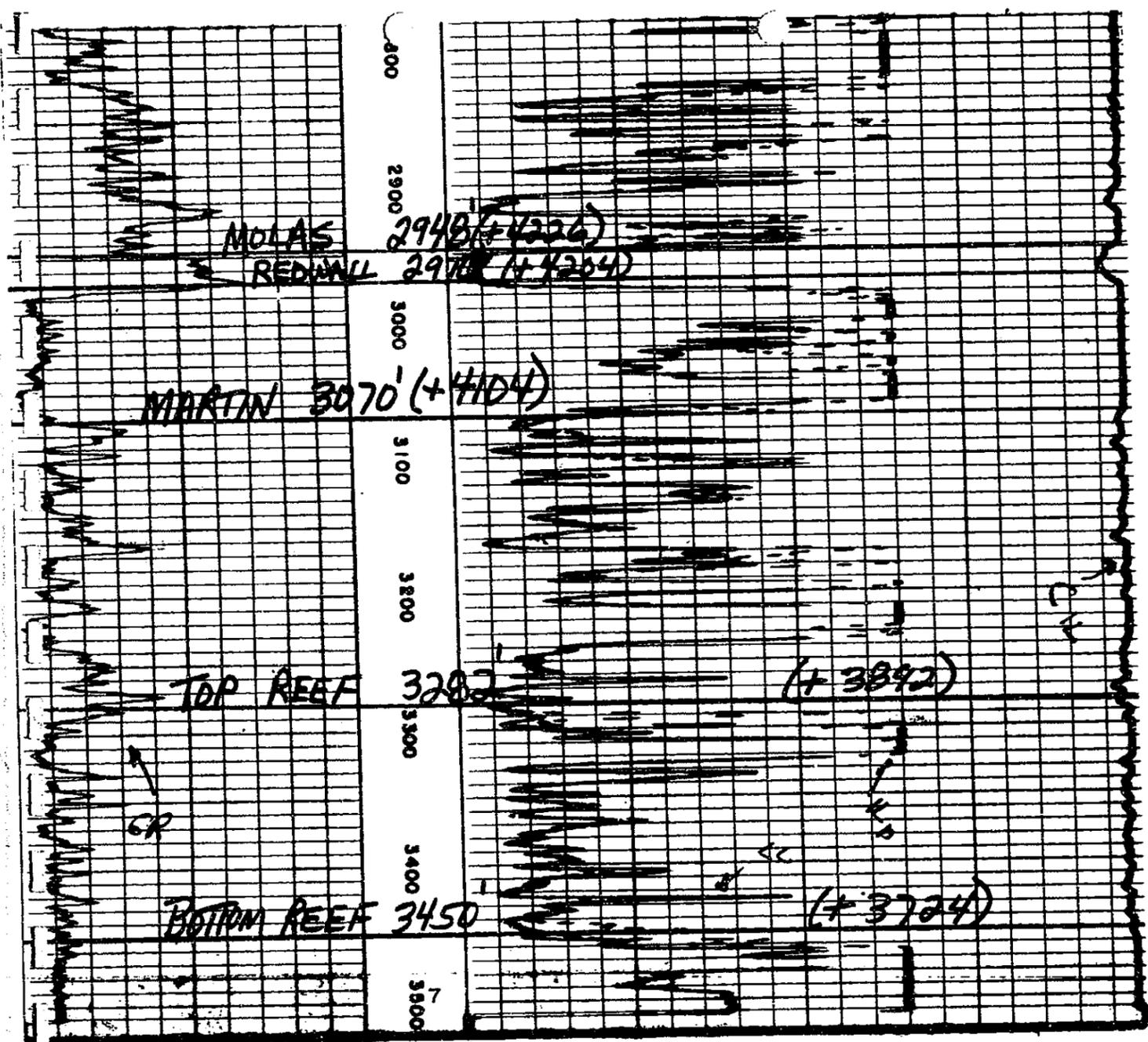
AMP. AVE. LATEROLOG - 8

5

GAMMA RAY
API UNITS

0 150





SIDEWALL CORE ANALYSIS REPORT

- 3044' Ls, wh, mica, firm-sft, sdy, dull wh, min fluor w/cly
bn, sft, slty.
- 3052' Ls, wh, mica, firm-sft, sdy, sli slty, dull, min fluor.
- 3153' Cly stn, bn, sft w/lis pur, bn, fxl, dns, hd.
- 3166' Ls wh, yel, mica, sdy, mica, arg w/calc, yel interclastic.
- 3168' Ls wh, yel, mica w/ss wh, ang, mg, uncons w/calc,
wh, yel, interclastic.
- 3300' Ls wh, bf, mica, sft, yel, min fluor.
- 3355' Ls wh, bf, sft-firm, mica, sli slty, yel, min fluor.
- 3364' Ls wh bf, sli slty, mica, sli sdy intbd w/ss grs,
wh, fg, sub rd w/cly stn bn, sft w/calc rhom, clr, fros,
vien filled, yel, min fluor.
- 3395' Ls wh, bf, sli slty and sdy, mica.
- 3397' Ls wh, bf, sli slty and sdy, mica w/ss grs, wh, fg,
sub rd w/cly stn bn, sft.
- 3411' Cly stn, gy, lt gn, sft-firm, slty w/lis bn, nod, fxl,
dns, no fluor.
- 3446' Dol wh, fxl, dns, hd, dull yel, min fluor w/calc
wh, hd w/pos mang, blk, colliform.
- 3448' Cly stn wh, tan sft w/tr ls bn, nod, fxl, dns, no fluor.
- 3298' or
3287' Ls wh, lt gy, mica, f-mxl, sdy, dull wh, min fluor.

DRILL STEM TESTS

INTERVAL: 3248' to 3512'

DATE: August 24, 1976

FORMATION: Devonian-Martin

COMPANY: Halliburton

TESTER: Kieth

FIELD INFORMATION:

IO	15 min.	No blow	Pressures:	0 psi
ISI	60 min.		Pressures:	976 psi
FO	15 min.	No blow	Pressures:	0 psi
FSI	15 min.		Pressures:	79 psi

Recovered 2150 CC Fresh Water

DAILY DRILLING CHRONOLOGY

<u>Date</u>	<u>Footage</u>	
8/5/76	0	8:00 a. m. Rigging up, drilling rat. hole mix mud, drilling mouse hole.
8/6/76	0	8:00 a. m. Drilling mouse hole, drilling 12 1/4" surface hole - spud 12:00 mid-night.
8/7/76	0	8:00 a. m. Drilling 12 1/4" surface hole, service rig.
8/8/76	64	8:00 a. m. Drilling surface hole, service rig, trip for Bit #3.
8/9/76	80	8:00 a. m. Drilling surface hole, service rig, lost circ. mix LCM & mud.
8/10/76	133	8:00 a. m. Lost circ. , drilling, lost circ. , mix gel & LCM, drilling, lost circ. , wait on Halliburton, cmt lost circ. zone at 135', plug down 2:30 a. m. , cmt zone second time, plug down 4:30 a. m. , tagged bottom at 138' w/no circ. , w/on Halliburton for more cmt.
8/11/76	148	8:00 a. m. Wait on cmt. , go in hole-clean to bottom-broke circ. , drilling, survey, drilling, circ. samples at 415', trip out-two trips, rig up to run casing.
8/12/76	415	8:00 a. m. Running casing - pipe wouldn't go, ream to bottom, circ. hole, run casing - wouldn't go, ream bridge at 60', run casing - 10 joints, 9 5/8" casing to 405', cmt, w/on/cmt.
8/13/76	415	8:00 a. m. Weld on casing flange & nipple up, pressurized up 1000 lbs. for 30 min. , go in hole, drilling cmt, blowing hole, drilling.
8/14/76	626	8:00 a. m. Service rig, drilling, survey, drilling survey, drilling, survey, drilling.
8/15/76	1300	8:00 a. m. Service rig, survey, drilling.

DAILY DRILLING CHRONOLOGY cont'd

<u>Date</u>	<u>Footage</u>	
8/16/76	1811	8:00 a. m. Drilling, service rig, survey, drilling, repair air line on booster, drilling.
8/17/76	2271	8:00 a. m. Drilling, service rig.
8/18/76	2607	8:00 a. m. Drilling, service rig, survey.
8/19/76	2845	8:00 a. m. Drilling, service rig, trip for Bit #7, try to get circ.
8/20/76	2908	8:00 a. m. Try to get circ. , drilling, lose circ.
8/21/76	3085	8:00 a. m. Lose circ. , trip-unplug bit and 1 drill collar, regain circ. , drilling, lose circ. , trip out, unplug bit.
8/22/76	3177	8:00 a. m. Complete trip, service rig, drilling, try to break circ. , trip, try to break circ. , drilling.
8/23/76	3338	8:00 a. m. Drilling service rig, drilling, TD = 3512', blow hole, trip out to log, logging, sidewall core.
8/24/76	3512	8:00 a. m. Logging, go in hole - tag bottom - trip out, go in hole w/DST tools, test, come out of hole.
8/25/76	3512	8:00 a. m. Begin rigging down.

BIT RECORD

<u>NO.</u>	<u>MAKE</u>	<u>TYPE</u>	<u>SIZE</u>	<u>IN</u>	<u>OUT</u>	<u>FOOTAGE</u>	<u>HRS.</u>
1	SEC	S4TJ	11 "	Drilling Mouse and Rat Hole			
2	SEC	S4T	12 1/4"	0	40	40	15 1/2
3	SEC	S4T	12 1/4"	40	69	29	25
4	SEC	S4T	12 1/4"	69	148	79	23 1/4
5	SEC	M4NG	12 1/4"	148	415	267	16 3/4
6	STC	F4	8 3/4"	415	2908	2493	118 1/4
7	STC	F4	8 3/4"	2908	3512	604	51 1/2

MUD RECORD

Mudded Up at Spud on 8/6/76

Date	Depth	Drig. Mouse Hole	Wt. F.	Vis	P. Vis	gel yield	stmnt.	pH	filtr.	ck.	alka.	chlo.	cal-ctum	gyp/sand%	solid %Wtr.	Cum. Cost
8/6/76			8.4		32											\$ 505.40
8/7/87	30		8.7	40	10	8	5/15	9.0	14.8	2	.1	TR	40	1/4	2.6	842.05
8/8/76	69		8.5	45	10	10	8/32	9.0	16	2	.2	TR	TR	1/2	1.5	1,003.70
8/9/76	131		9.0	47	16	12	5/15	9.0	12.6	2	.1	50	TR	1 1/2	4.8	1,196.60
8/10/76	133															4,057.00
8/11/76	230		8.8	35	11	4	3/6	9.0	16	2	.1	200	TR	3/4	3.2	5,012.30
8/12/76	415		9.1	58	20	15	5/15	9.0	12	2	.1	200	TR	1 1/2	5.5	5,193.30
8/13/76																

LOST CIRC. - NO CIRC. MUD

SET 9 5/8" SURFACE CASING

DRILLING FUNCTIONS

<u>DEPTH</u>	<u>W. O. B.</u>	<u>R. P. M.</u>	<u>P. P.</u>	<u>DEVIATION</u>
40	All	100	250	
64	All	100	300	
148	All	80	400	
190				1/2°
415	20/40 M	48	300	(Drlg. w/Air-Mist)
626	20 M	50	300	
900				3 °
950	15/20 M	50	300	
1000				3 1/2°
1102	20/40 M	50	300	
1120				3 °
1190				2 3/4°
1290				3 °
1317				3 °
1506	20/40 M	50	300	2 3/4°
1600				2 3/4°
1677	20 M	50	300	
1694				2 °
1788				1 3/4°
1845				1 3/4°
2071				3/4°
2138	30 M	50	300	
2262				3/4°
2271	30 M	50	300	
2795				3/4°
2800	20/30 M	50	300	
2908	30 M	50	300	
3238	30 M	50	300	
3488	40 M	50	300	

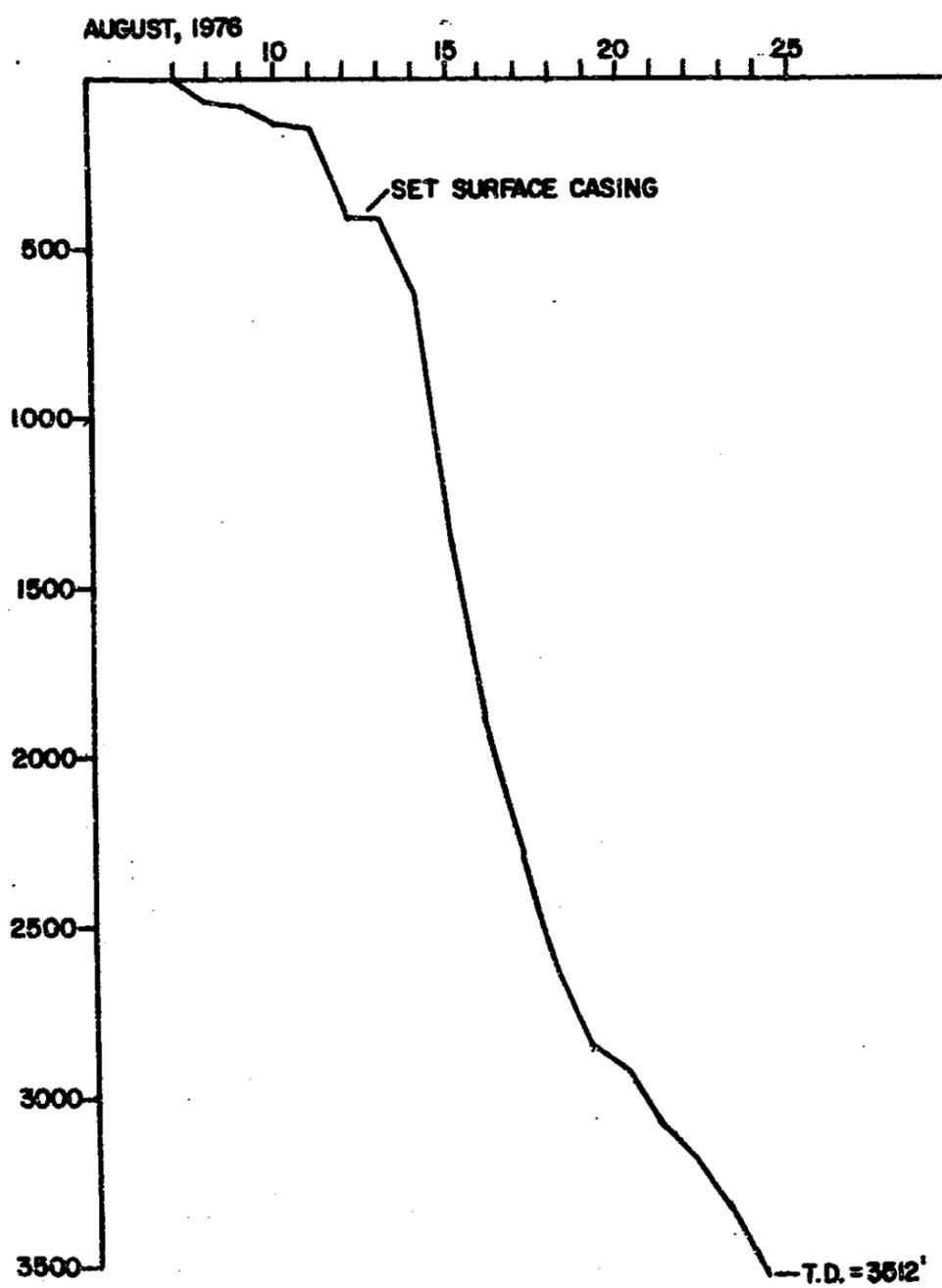
PENETRATION RATE/TIME REPORT

<u>DATE</u>	<u>RIG ACTIVITY</u>	<u>FOOTAGE 24 HOURS</u>	<u>ACCUM. FOOTAGE</u>
8/5/76	8:00 a. m. Rigging up, drilling rat hole, mix mud, drilling mouse hole.	0	0
8/6/76	Drilling mouse hole, drilling 12 1/4" surface hole, spud 12:00 midnight.	0	0
8/7/76	Drilling 12 1/4" surface hole, service rig.	0	0
8/8/76	Drilling surface hole, service rig, trip for Bit #3.	64	64
8/9/76	Drilling surface hole, service rig, lost circ. - mix mud & LCM.	14	80
8/10/76	Lost circ. , drilling, lost circ. , mix gel & LCM, drilling, lost circ. , wait on Halliburton, cmt. lost circ. zone at 135', plug down 2:30 a. m. , cmt. zone second time, plug down 4:30 a. m. , tagged bottom at 138' w/no circ. , w/on Halliburton for more cmt.	53	133
8/11/76	Wait on cmt. , go in hole, clean to bottom, break circ. , drilling, survey, drilling, circ. samples at 415', trip out - two trips. Rig up to run casing.	15	148
8/12/76	Running casing - pipe wouldn't go, ream to bottom, circ. hole, run casing - wouldn't go, ream bridge at 60', run casing-10 jts. , 9 5/8" casing to 405' GL, cmt, w/on/cmt.	267	415
8/13/76	Weld on casing flange & nipple up, pressurized up 1000 lbs. for 30 min. , go in hole, drilling cmt. , blowing hole, drilling.	0	415
8/14/76	Service rig, drilling, survey, drilling.	211	626
8/15/76	Service rig, drilling, survey.	674	1300
8/16/76	Drilling, service rig, survey, repair air line on booster, drilling.	511	1811
8/17/76	Drilling, service rig.	460	2271
8/18/76	Drilling, service rig, survey.	336	2607
8/19/76	Drilling, service rig, trip for Bit #7, try to break circ.	238	2845

PENETRATION RATE/TIME REPORT cont'd

<u>DATE</u>	<u>RIG ACTIVITY</u>	<u>FOOTAGE 24 HOURS</u>	<u>ACCUM. FOOTAGE</u>
8/20/76	Try to break circ. , drilling, lose circ.	63	2908
8/21/76	Lose circ. , trip - unplug bit and 1 drill collar, regain circ. , drilling, lose circ. , trip out, unplug bit.	177	3085
8/22/76	Complete trip, service rig, drilling, try to break circ. , trip, try to break circ. , drilling.	92	3177
8/23/76	Drilling, service rig, drilling, T. D. = 3512', blow hole, trip out to log, logging, side wall core.	161	3338
8/24/76	Logging, go in hole - tag bottom, trip out, go in hole w/DST tools, test, trip out.	174	3512
8/25/76	Begin rigging down.	0	3512

PENETRATION RATE/TIME REPORT



LITHOLOGY

0 -	70	Basalt, dk gy, red, ig, basic, micxl, lse qtz, hd, ves.
70 -	80	Basalt, ig, basic, lt gy-dk gy, dk bn, micxl, lse qtz, hd, ves w/tr ss, orng, mg, sub ang, fri.
80 -	90	Basalt aa w/dol orng, red, vfxl, dns, sli slty.
90 -	100	Dol red-pk, vfxl, dns, sli slty, smy w/slt, yel, orng, fri, sli calc, arg & sdy w/tr lse qtz, clr, sub rd-sub ang.
100 -	120	Dol red-pk, vfxl, dns, slty, sli arg, lmy.
120 -	130	Ls pk, vfxl, dns, hd, sli slty & dol, dull yel, min fluor, p-p & vug por, no cut w/tr ss wh, lt gn, vfg, calc, fri, arg.
130 -	140	Ls pk, crm, vfxl, hd, slty, dol, dull yel, min fluor, no cut, p-p por.
140 -	150	Ls pk, crm aa w/tr ls lt bn, fxl, dns, hd.
150 -	180	Ls pk, crm, aa, sli sdy.
180 -	200	Ls pk, crm vf-fxl, slty, dol, sli sdy, dull yel, min fluor, no cut, p-p por w/tr ss wh, vfg, calc, w/sort, fri.
200 -	210	Ls pk, crm aa.
210 -	220	Ls pk, crm aa w/tr slt yel, sli arg & calc, firm w/tr ss wh, clr, f-mg, sli calc, sub rd.
220 -	230	Ls aa w/tr slt yel aa & w/tr ss wh, clr aa w/tr lse qtz clr, fros f-cg, sub ang.
230 -	240	Ls yel, wh, vf-fxl, v sdy, sli dol w/tr lse qtz clr, fros, m-cg w/tr cht fros, lt gy, hd wxy.
240 -	250	Ls wh, yel aa w/tr lse qtz aa & w/tr cht orng, fros, lt gy.

LITHOLOGY cont'd

250 - 290 Ls wh, yel, pk, vf-fxl, v sdy, sli dol w/tr lse
qtz clr, fros & w/tr cht wh, orng.

290 - 300 Cht wh, fros w/l s wh, yel, pk aa.

300 - 310 Ls wh, yel, pk aa w/cht wh, fros aa.

310 - 340 Ls pk, wh, yel, vf-fxl, sli dol & calc, v sdy.

340 - 370 Ls pk, wh aa.

370 - 390 Ls pk, wh, yel, f-mxl, v sdy, sli arg w/tr
cht.

390 - 400 Ls wh, bf, pk, sli slty aa.

400 - 415 Ls pk, wh, fxl, v sdy, sli arg & slty w/tr cht
wh, bf.

415 - 420 Lse ss grs, clr, fros, vcg, sub rd-rd.

420 - 600 Ss, clr, fros, f-mg, sub rd-rd w/sort,
uncons w/tr gyp wh, sft.

600 - 680 Ss clr, fros, wh, lt tan, f-mg, sub rd-rd,
w/sort, uncons.

680 - 740 Ss clr, wh, lt tan, vf-fg, aa.

740 - 800 Ss wh, fros, yel, f-mg, sub rd-rd, w/sort,
uncons w/tr gyp wh.

800 - 860 Ss wh, fros, yel f-mg, calc, sub rd-rd,
w/tr sh bn, sli slty w/abnt lse qtz.

860 - 900 Ss lt tan, fros yel, f-mg, calc, sub rd-rd, hd,
sli arg w/ abnt lse qtz w/tr gyp wh.

900 - 940 Ss bn, tel, wh, f-mg, calc, sub rd-rd, hd,
sli arg, tt, w/tr sh bn, sft, arg w/tr calc.

940 - 960 Ss red, yel, wh aa w/tr calc wh.

LITHOLOGY cont'd

960 - 1,000	Ss tan, omng, fg, sub rd-sub ang, firm-hd, calc w/calc wh.
1,000 - 1,040	Ss tan, omng, red, bn aa w/tr calc, wh & w/tr sh bn sft.
1,040 - 1,080	Ss yel, wh, fg, calc, sub ang, firm-hd w/tr sh bn sft.
1,080 - 1,100	Sh bn sft, sli slty w/tr ss, yel, wh, aa.
1,100 - 1,240	Ss yel, wh, omng, fg, calc, sub ang firm-hd, w/tr sh bn, sft.
1,240 - 1,280	Ss omng, red f-mg, calc, sub rd-sub ang, firm-hd, sli fri & slty.
1,280 - 1,320	Ss omng, red, bn aa.
1,320 - 1,360	Ss red, omng, yel aa, slty.
1,360 - 1,440	Ss dk red, omng, yel, f-mg, calc, sub rd-sub ang, slty, fri, sli arg, firm.
1,440 - 1,520	Ss dk red-red aa w/sh bn, sft.
1,520 - 1,560	Ss dk red-red aa w/abnt lse qtz, clr, fros, sub rd-rd.
1,560 - 1,580	Ss dk red-red aa w/sh bn sft.
1,580 - 1,600	Ss dk red, vfg, sub ang, fri, calc, slty, sli arg.
1,600 - 1,640	Ss dk red aa w/abnt lse qtz, clr, fros, mg, sub rd-rd.
1,640 - 1,680	Ss dk red, vfg, calc, sli slty, hd w/tr lse qtz aa.
1,680 - 1,740	Ss dk red aa w/sh bn, sft, sli slty.
1,740 - 1,760	Ss dk red aa w/abnt lse qtz, clr, fros, sub rd - rd, mg.
1,760 - 1,800	Ss dk red aa w/tr lse qtz aa.

LITHOLOGY cont'd

1,800 - 1,900	Ss dk red, vf-fg, calc, sli slty, sub ang w/lse qtz, clr, fros, mg, sub rd-rd.
1,900 - 1,980	Ss dk red, aa w/sh bn, sli slty, sft w/tr lse qtz aa w/sh bn, sft.
1,980 - 2,000	Slt red calc, sdy, sli arg w/abnt lse qtz aa w/tr ss dk red, aa.
2,000 - 2,020	Ss dk red aa w/lse qtz w/tr slt red aa.
2,020 - 2,040	Ss pk, vfg, calc, firm-hd, sub ang w/slt red, calc, sdy, sli arg w/tr calc wh.
2,040 - 2,060	Slt red, bn, calc, sdy w/ss orng red, wh, f-mg, sub rd-sub ang, calc, firm-hd, tt.
2,060 - 2,100	Slt & ss aa w/lse qtz fros, clr, mg, sub-rd.
2,100 - 2,120	Slt red, bn, sli calc & arg, sdy w/ss orng, red, f-mg, sub rd-sub ang, calc, firm, fri.
2,120 - 2,140	Slt & ss aa w/sh bn sft.
2,140 - 2,220	Slt red, bn aa w/ss orng, red, bf aa w/sh bn aa.
2,220 - 2,240	Slt & ss aa w/abnt lse qtz, fros, clr, sub rd-rd, mg.
2,240 - 2,300	Slt red, bn, sli calc & arg, sdy w/sh bn sft.
2,300 - 2,320	Slt & sh aa w/lse qtz aa.
2,320 - 2,360	Slt red, bn, sli calc & arg, sdy, mica w/ss wh, vfg, sub ang, calc, firm, fri w/lse qtz.
2,360 - 2,380	Slt red, bn aa w/sh bn sft.
2,380 - 2,440	Ls red, orng, yel, cgl, sdy, tt, w/slt & sh aa.

LITHOLOGY cont'd

- 2,440 - 2,480 Slt red, bn, sli calc & arg, sdy, mica w/tr
ls red, org, yel aa.
- 2,480 - 2,500 Dol wh, bn, bf, fxl, hd, yel min fluor, no cut
w/slt red, bn aa.
- 2,500 - 2,520 Dol bf pk, lt red, f-mxl, firm-hd, sli cgl, yel
min fluor, no cut w/slt red, bn aa, shy.
- 2,520 - 2,530 Slt red, bn, shy, firm, sli calc & mica,
arg w/dol pk, lt red, bf aa.
- 2,530 - 2,550 Sh red, bn, slty, firm, sli calc & mica w/tr
dol pk, lt red, bf aa w/abnt lse qtz, mg, sub rd-rd, clr,
fros.
- 2,550 - 2,560 Sh red, bn aa w/tr ls wh, bf, yel, cgl, sdy,
intcl w/abnt lse qtz aa.
- 2,560 - 2,570 Sh red, bn aa w/tr dol pk, lt red aa w/abnt
lse qtz aa.
- 2,570 - 2,580 Sh lt bn, red aa w/ls wh, lt gy, bf, f-mxl, sli
cgl & sdy, yel min fluor, no cut.
- 2,580 - 2,610 Sh bn, slty, firm-hd, sli calc & arg w/abnt
lse qtz, clr, fros, mg, sub rd-rd.
- 2,610 - 2,650 Sh bn aa w/lse qtz aa w/dol wh, red, f-mxl,
hd, yel, min fluor, no cut.
- 2,650 - 2,660 Sh bn aa w/ls red, lt red, mxl, hd, no fluor
or cut w/lse qtz.
- 2,660 - 2,670 Sh bn aa w/ss org, fg, sub ang, firm-hd,
tr p-p por, no fluor or cut.
- 2,670 - 2,690 Sh bn, slty firm-hd, sli calc & arg, mica w/tr
ss org aa w/lse qtz clr, fros, mg.

LITHOLOGY cont'd

2,690 - 2,700	Sh bn aa w/ss wh, yel, f-mng, calc w/tr ls wh, cgl, sdy, tt.
2,700 - 2,720	Ls bn, pur, fxl, dns, hd, tt w/tr ss wh aa.
2,720 - 2,740	Ss wh, orng, red vf-fg, sub ang-sub rd, calc, fri p-p por w/abnt lse qtz, clr, fros, f-mg, sub rd-rd.
2,740 - 2,760	Ss wh, yel, orng aa w/lse qtz aa.
2,760 - 2,770	Ss wh, yel, orng aa w/lis orng, yel, pk, cgl, sdy, tt.
2,770 - 2,790	Ls yel, pk, bf aa w/tr ss wh, yel aa.
2,790 - 2,800	Ss orng, f-mg, sub rd, fri, calc w/lis pk, wh, yel, cgl sdy, tt w/abnt lse qtz, clr orng fros, mg, sub rd-rd.
2,800 - 2,820	Ls pk, fxl, dns, hd, sli slty w/lis pk, wh, orng aa.
2,820 - 2,830	Cht wh v hd w/lis pk, wh, orng aa w/lse qtz.
2,830 - 2,840	Cly stn bn, sft w/slt red, sli calc & arg w/lis pk, orng, wh aa.
2,840 - 2,860	Slt red aa w/abnt lse qtz.
2,860 - 2,870	Cly stn bn, sft w/ss orng, f-mg, sub rd, calc, fri w/abnt lse qtz.
2,870 - 2,880	Cly stn bn, sft w/lis wh, orng, lt gy, cgl, sdy, tt w/tr ss aa w/lse qtz.
2,880 - 2,890	Slt red, bn, sli calc & arg w/lis wh, orng, cgl aa w/tr ls wh, pk, fxl, dns, hd.
2,890 - 2,900	Slt & cly stn aa w/tr ls wh, fxl, dns hd.
2,900 - 2,920	Cht wh, hd w/lis wh bf, pk, vf-fxl, dns, hd, tt.
2,920 - 2,930	Ls wh, bf, f-mxl, dns, hd, tt w/tr ls wh, chk, dns, sft.

LITHOLOGY cont'd

2,930 - 2,940 Ls wh, bf, aa w/slt red, calc, mica, firm.

2,940 - 2,960 Slt red aa w/tr ls wh aa.

2,960 - 2,970 Ls wh, fxl, dns, hd, tt w/slt red aa w/abnt lse qtz, mg, clr, fros.

2,970 - 2,990 Ls wh, bf, lt gy, fxl, dns, hd, tt w/cht wh, orng, v hd, yel.

2,990 - 3,010 Ls yel, wh, bf, aa w/ls wh, chk, sft w/cht wh, yel, v hd.

3,010 - 3,030 Ls wh, yel, vf-fxl, dns, hd, tt w/ls wh, chk, sft w/tr cht wh, orng aa.

3,030 - 3,080 Ls wh, yel aa w/ls wh sft aa w/tr cht wh, yel aa w/tr slt red, calc, sli mica, firm.

3,080 - 3,095 Drlg w/no returns.

3,095 - 3,100 Ls wh, vf-fxl, dns, hd w/tr dol pk, fxl, dns, v hd, tt w/lse qtz.

3,100 - 3,110 Ls wh, pk aa w/dol pk, fxl, dns, slty, firm, tt w/lse qtz.

3,110 - 3,120 Abnt lse qtz, clr, fros, yel, m-cg, sub rd-rd w/tr ls wh, pk, aa and w/tr dol pk aa.

3,120 - 3,150 Dol pk, yel, tan fxl, firm-hd, slty, dns, dull yel min fluor, no cut, w/tr cht yel, wh, v hd.

3,150 - 3,170 Dol, pk, gy, tan, pur aa w/abnt lse qtz, clr, fros, m-cg, sub rd-sub ang.

3,170 - 3,200 Drlg w/no returns.

3,200 - 3,210 Dol pk, tan, fxl, sli slty, firm tt, dns w/tr sh gn, sft, wxy w/lse qtz.

3,210 - 3,233 Drlg w/no returns.

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Wichita Industries, Inc.
 2. Oil Well GAS WELL OTHER (Specify) Wildcat
 3. Well Name Federal No. 1-1
 Location SE 4 SE 4
 Sec. 1 Twp. 19-N Rge. 7-E County Coconino Arizona.
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease. A-8538

5. Field or Pool Name Wildcat

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	MONTHLY PROGRESS <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) <input type="checkbox"/>	ABANDONMENT <input type="checkbox"/>
(OTHER) <u>Drilling</u>			

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

- 10-5-76 Set halliburton EZ-SV squeeze packer at 2710'. Ran 10 sxs of Cal Seal on top of packer and 100 sxs of Class H cement w/2% Calcium Chloride on top of Cal Seal.
- 10-6-76 Tagged top of cement at 2500'. Turned well over to city of Flagstaff as per agreement attached.

RECEIVED

OCT 12 1976

O & G CONS. COMM.

8. I hereby certify that the foregoing is true and correct.

Name Clyde G. Pearce Title Agent Date 10-8-76

Permit No. 661

STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Sundry Notices and Reports On Wells
 File Two Copies
 Form No. 28

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Wichita Industries, Inc.
 2. OIL WELL GAS WELL OTHER (Specify) Wildcat
 3. Well Name Federal No. 1-1
 Location SE 4 SE 4
 Sec. 1 Twp. 19-N Rge. 7-E County Coconino Arizona.
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease A-8538
 5. Field or Pool Name Wildcat

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:			SUBSEQUENT REPORT OF:				
TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>	MONTHLY PROGRESS	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	DIRECTIONAL DRILL	<input type="checkbox"/>	FRACTURE TREATMENT	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	PERFORATE CASING	<input type="checkbox"/>	SHOOTING OR ACIDIZING	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>	(OTHER)	<input type="checkbox"/>	ABANDONMENT	<input type="checkbox"/>
(OTHER)	<input type="checkbox"/>						

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Well temporarily abandoned. Waiting to set plug & transfer ownership to city of Flagstaff.

RECEIVED

OCT 4 1976

O & G CONS. COMM.

8. I hereby certify that the foregoing is true and correct.

Signed Charles A. Seaver Title Agent Date 10/1/76

STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Sundry Notices and Reports On Wells
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RECEIVED

SEP 27 1976

O & G CONS. COMM.

SUNDRY NOTICES AND REPORTS ON WELLS

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2. Oil WELL GAS WELL OTHER (Specify) Wildcat

3. Well Name Federal No. 1-1

Location SE 4 SE 4

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6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:			SUBSEQUENT REPORT OF:				
TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>	MONTHLY PROGRESS	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	DIRECTIONAL DRILL	<input type="checkbox"/>	FRACTURE TREATMENT	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	PERFORATE CASING	<input type="checkbox"/>	SHOOTING OR ACIDIZING	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>	(OTHER)	<input type="checkbox"/>	ABANDONMENT	<input type="checkbox"/>
(OTHER)	<input type="checkbox"/>						

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

9/18/76 thru 9/24/76 Well temporarily abandoned.

8. I hereby certify that the foregoing is true and correct.

Agnes G. Pearce Title Agent Date 9/24/76

STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Sundry Notices and Reports On Wells
 File Two Copies
 Form No. 28

Permit No. 661

SUNDRY NOTICES AND REPORTS ON WELLS

RECEIVED
SEP 13 1976

1. Name of Operator Wichita Industries, Inc. O & G CONSV. COMM.
 2. Oil WELL GAS WELL OTHER (Specify) Wildcat
 3. Well Name Federal No. 1-1
 Location SE 4 SE 4
 Sec 1 Twp. 19-N Rgn 7-E County Cocconino Arizona.
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease A-8538
 5. Field or Pool Name Wildcat

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	MONTHLY PROGRESS <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) <input type="checkbox"/>	ABANDONMENT <input type="checkbox"/>
(OTHER) <u>Drilling</u>			

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

9/4/76 thru 9/10/76 Packer set @ 3095' - bottom of tailpipe 3256', swabbing cold, fresh water @ rate of 54 bbls/hr. Acidized w/1000 gal of 15% MCA acid, no change in well condition.

8. I hereby certify that the foregoing is true and correct.

Signed R. Lyda B. Pearce Title Agent Date 9/10/76

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Sundry Notices and Reports On Wells
File Two Copies
Form No. 28

Permit No. 661

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Wichita Industries

2. Oil WELL GAS WELL OTHER (Specify) Wildcat

3. Well Name Federal #1 - 1

Location SE 4 SE 4

Sec. 1 Twp. 19 - N Rge. 7 - E County Coconino Arizona.

4. Federal, State or Indian Lease Number, or lessor's name if fee lease A-8538

5. Field or Pool Name Wildcat

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	MONTHLY PROGRESS <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) <input type="checkbox"/>	ABANDONMENT <input type="checkbox"/>
(OTHER) <u>Drilling</u>		(OTHER) _____	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

8/30/76 TD 3512 - Waiting on workover rig
 8/31/76 through 9/2/76 - Waiting on workover rig
 9/3/76 - TD 3512 - Moving in workover rig today.

RECEIVED

SEP 7 1976

O & G CONS. COMM.

8. I hereby certify that the foregoing is true and correct.

Signed Clyde A. Pearce Title Agent Date 9/3/76

Permit No 661

STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Sundry Notices and Reports On Wells
 File Two Copies
 Form No. 25

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Wichita Industries

2. OIL WELL GAS WELL OTHER (Specify) Wildcat

3. Well Name Federal No. 1

Location SE 4 SE 4

Sec. 1 Twp. 19-N Rge. 7-E County Coconino Arizona.

4. Federal, State or Indian Lease Number, or lessor's name if fee lease A-8538

5. Field or Pool Name Wildcat

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	MONTHLY PROGRESS <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) <input type="checkbox"/>	ABANDONMENT <input type="checkbox"/>
(OTHER) <u>Drilling</u>		(OTHER)	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

8/21/76 Total depth 3082'
8/22/76 Drilling at 3177'
8/23/76 Drilling at 3338'
8/24/76 Total depth 3512' - Went in hole to run drill stem test from 3260' to total depth. Ran Dual Induction Lateral Log, Gamma Ray-Neutron-Density Log. Took 13 side wall cores. Hole completed 5:30 P.M. on 8/23/76.
8/25/76 Total depth 3512'. Halliburton Open Hole Drill Stem Test - Top packer 3248, bottom packer 3254. Total depth 3512 - results from test - bottom clock stopped, top clock initial shut in 15 min. 976#, bled down to zero immediately. Final shut in 15 min. 79#. Initial flow & final flow - zero. Fluid recovered was 2150 cc of fresh water. Waiting on orders.

8. I hereby certify that the foregoing is true and correct.

Signed Byron G. Perum Title Agent Date 8-27-76

STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Sundry Notices and Reports On Wells
 File Two Copies
 Form No. 25

Permit No. 661

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator _____

2. OIL WELL GAS WELL OTHER (Specify) Wildcat

3. Well Name Federal No. 1

Location SE 4 SE 4

Sec. 1 Twp. 19-N Rge. 7-E County Coconino Arizona.

4. Federal, State or Indian Lease Number, or lessor's name if fee lease _____

5. Field or Pool Name _____

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	MONTHLY PROGRESS <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) _____ <input type="checkbox"/>	ABANDONMENT <input type="checkbox"/>
(OTHER) <u>Drilling</u>			

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

8/15/76 Drilling at 1300' - survey 900' at 3° and 1,000' at 3-1/2°
8/16/76 Drilling at 1811' - survey 1,690' at 2° and 1,790' at 1-3/4°
8/17/76 Drilling at 2271' - survey 2,071' at 3/4° and 2,262' at 3/4°
8/18/76 Drilling at 2607'
8/19/76 Drilling at 2845' - survey at 2,795' at 3/4°
8/20/76 Drilling at 2909'

RECEIVED
 AUG 23 1976
 O & G CONS. COMM.

8. I hereby certify that the foregoing is true and correct.

Signed [Signature]

Title Chief Production Clerk Date August 20, 1976

Permit No. 661

STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Sundry Notices and Reports On Wells
 File Two Copies
 Form No. 25

SUNDRY NOTICES AND REPORTS ON WELLS

RECEIVED

AUG 16 1976

O & G CONS. COMM.

1. Name of Operator Wichita Industries

2. OIL WELL GAS WELL OTHER (Specify) Wildcat

3. Well Name Federal No. 1

Location SE/4 SE/4

Sec. 1 Twp. 19-N Rng. 7-E County Coconino Arizona.

4. Federal, State or Indian Lease Number, or lessor's name if fee lease A-8538

5. Field or Pool Name _____

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:			SUBSEQUENT REPORT OF:		
TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	DIRECTIONAL DRILL	<input type="checkbox"/>	MONTHLY PROGRESS	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	PERFORATE CASING	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
(OTHER) <u>Drill</u>	<input type="checkbox"/>		<input type="checkbox"/>	ABANDONMENT	<input type="checkbox"/>
				(OTHER) _____	<input type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

8/8/76 Total depth 30' - 30' drilled in 24 hours - 1st day from spud. Present operation: drilling. Finished rigging up. Spudded at 12:00 midnight on 8/7/76. Mud weight 9.3, Visc. 45. Bit No. 1, size 12-1/4, type - S4T, 20' drilled.

8/9/76 Total depth 81' - 61' drilled in 24 hours - 2nd day from spud. Present operation: drilling. Pulled bit No. 1 at 40'. Made 30'. Ran bit No. 2. Drilled to 66'. Tripped for bit No. 3 - drilling ahead. Drilling in volcanics. Mud weight 9.3, Visc. 45. Bit No. 2, size 12-1/4, type - M4N, 26' drilled. Bit No. 3, size 12-1/4, type - S4T, 15' drilled. Contract hours - 24; Rotating hours - 22; Trip hours - 2.

8/10/76 Total depth 133' - 52' drilled in 24 hours - 3rd day from spud. Trying to regain circulation. Past 24 hours operation - drilling. Had drilling break between 83' and 90'. Drilled to 133' and lost circulation at 5:00 A.M. on 8/10/76. Mixed 3 batches of LCM for a total of 450 bbls. (Gel Cedar Fiber & Pro Fiber, Sawdust & Cottonseed hulls) Finished mixing & circulated LCM at 6:30 A.M. Regained circulation when circulated above 125', but lose circulation below 125'. Started mixing another batch of LCM. Plan to dry drill and try to regain circulation below. Mud weight 9.0, Visc. 47, Water Loss 12.6. Bit No. 3, size 12-1/4, type - S4T, 97' drilled.

8/11/76 Total depth 148' - 15' drilled in 24 hours - 4th day from spud. Present Operation - W.O. Halliburton. Past 24 hours - dry drilled to 140'. Pumped in approximately 40 bbls of LCM. Regained circulation at 125' and lost circulation at 129' at 12:00 noon. Finished in hole to bottom. Dry drilled to 148'. W.O. Halliburton till 12:00 midnight. Mixed 25 sx Cal Seal and 25 sx Class H Common cement. Waited 30 minutes. Tagged plug at 128'. Tried to fill hole with mud. Pumped 40 bbls - no fill. Mixed 2nd batch of 25 sx Cal Seal and 25 sx Class H cement and pump in at 2:30 A.M. Tagged plug 128'. Tried to fill hole, would not hold fluid. W.O. Halliburton.

8/12/76 Total depth 415' - 267' drilled in 24 hours - 5th day from spud. Preparing to run 9-5/8" casing. Past 24 hours - WIH w/bit and started dry drilling. Pumped in 125 bbls gelled water while drilling before gaining circulation. Regained circulation and returns had cedar fiber and other LCM. Drilling ahead. Reached 415' at 3:15 A.M. Made short trip. Circulated and conditioned mud. POOH to run 9-5/8" casing. Started in hole with casing. Could not get below 10'. Reamed hole twice. Casing still would not go. Appears to be ledge at 10'. Bit will not go through unless it is rotated. Will re-ream and go back to bottom. Mud weight 8.8, Visc. 35. Bit No. 4, size 12-1/4, Security type M4NGJ, 257' drilled. Surveys - 230' at 1/2° & 415' at 1/2°.

8/13/76 Total depth 415' - Zero feet drilled in 24 hours - 6th day from spud. Nippling up and welding bradenhead. Past 24 hours - made 4 trips reaming tight spot. TIH to bottom. Had ledges at 10', 58' and 150-170'. Pulled out of hole & RU to run casing. Ran 10 jts, 9-5/8" OD, 32.30# per foot, Rng 3 set at 404.39 cemented with 250 sx of Class B neat and good returns. Plug down at 12 midnight WOC 6 hours and started nipping up.

8. I hereby certify that the foregoing is true and correct.

Signed

Frank B. Power

Title Chief Production Clerk

Date

August 13, 1976

Permit No. 661

Form No. 25

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Sundry Notices and Reports On Wells
File Two Copies

August 16, 1976

Memo: File 661, Wichita Industries Federal #1
From: John Bannister, Executive Secretary

Inspected this well 8-15-76 at approximately 1 p.m. At that time, the td was 1453'. They were drilling approximately 2 minutes per foot.

Fresh water was encountered at approximately 500 feet.

The well was drilling with air, making clear water. A catch tank had been set up at the end of the blooey line. The tank was full and water was surging over the tank. The area around the catch tank was flooded and this should be watched carefully for potential problems. Inasmuch as the water reaching the ground was fresh, no damage is anticipated to the surrounding area unless the amount of water becomes prohibitive.

WELL SITE CHECK

By W.E.Q.

Date 8-12-76

Contractor Signal

Spud Date 8-5-76

Type Rig IDECO Rotary Cable

Samples Yes

Pipe _____

Water Zones _____

Lost Circ. Zones 150-250

Formation Tops Kaitab 85±

Cores, Logs, DST _____

Crews 3-4 MAN

Person(s) Contacted Hargrove,

Wade, Dresser.

Present Operations Attempting
to run 10 3/4 surface

Drilling with Mud Air

Size Hole 12 1/4

Size Drill Pipe 3 1/2" O.D.

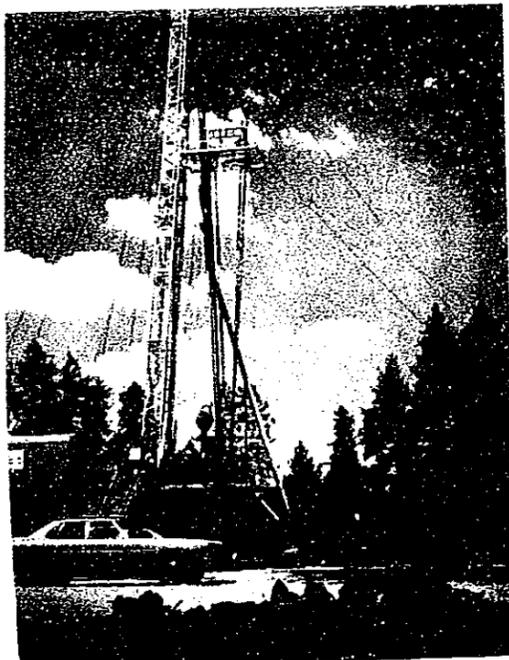
Type Bit _____

No. Bit _____ Drilling Rate _____

Formation _____

Lithology _____

REMARKS, PHOTO, MAP



WELL NAME Michita Inc

No. 661
Yes No

WELL SITE CHECK

By W.E.Q.
12-76

Contractor Signal
Spud Date 8-5-76
Type Rig IDECO Rotary Cable
Samples Yes
Pipe _____
Water Zones _____
Lost Circ. Zones 150-
Formation Tops Kaibab
Cores, Logs, DST _____
Crews 3-4-M



3 1 2 7 0 1 J P

REMARKS, PHOTO, MAP

WELL NAME Michita Ind. Fed #1

Permit No. 661
Confidential Yes No

APPLICATION FOR PERMIT TO DRILL OR RE-ENTER

APPLICATION TO DRILL

RE-ENTER OLD WELL

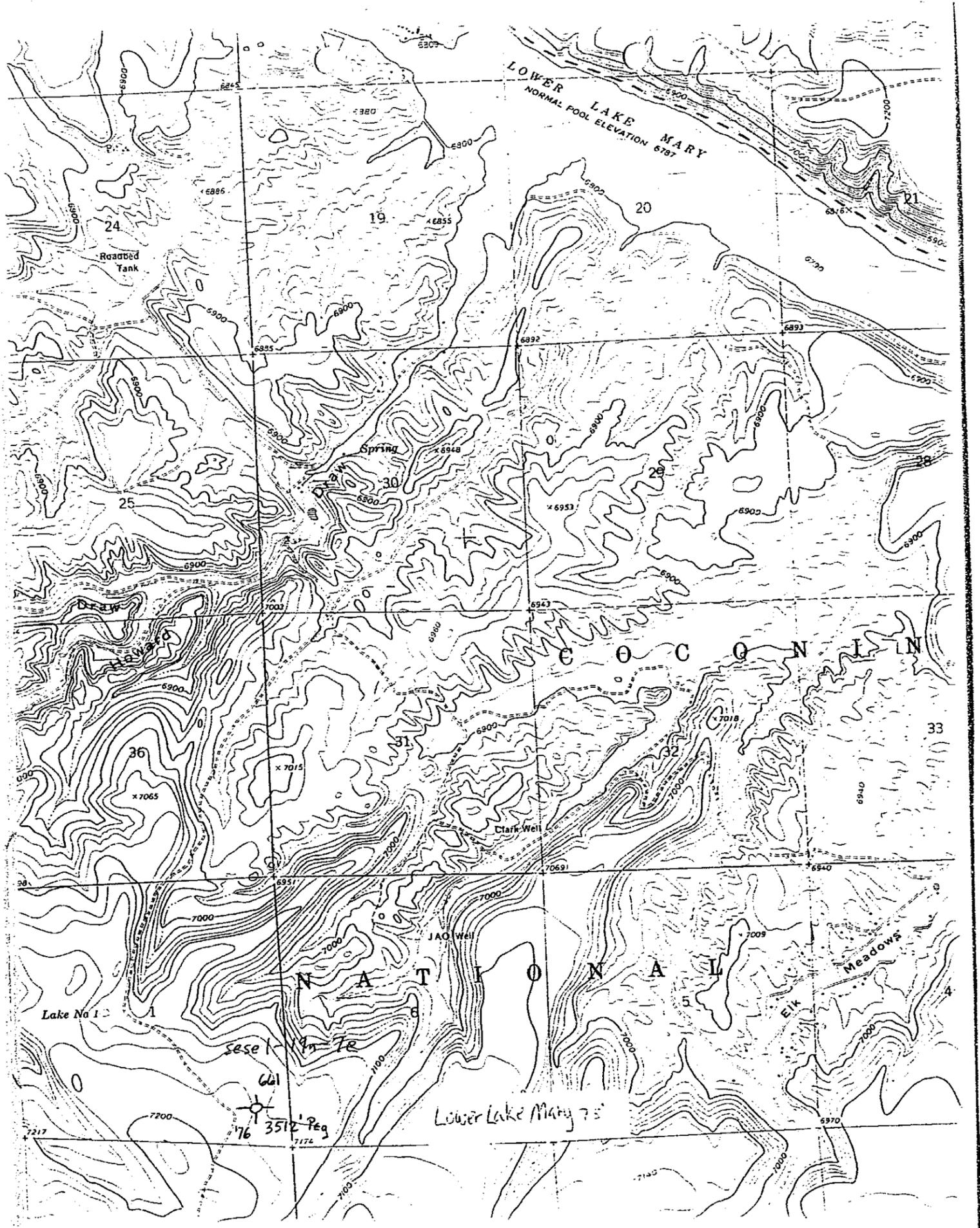
NAME OF COMPANY OR OPERATOR Wichita Industries, Inc.		
Address c/o K & A, Inc., 3430 Entex Building, Houston, Texas 77002		
Drilling Contractor None		
Address		
DESCRIPTION OF WELL AND LEASE		
Federal, State or Indian Lease Number, or if fee lease, name of lessor Federal Lease A-8538	Well number 1	Elevation (ground) 7174 GR
Nearest distance from proposed location to property or lease line: 658 feet	Distance from proposed location to nearest drilling, completed or applied--for well on the same lease: None feet	
Number of acres in lease: 2396.8	Number of wells on lease, including this well, completed in or drilling to this reservoir: None	
If lease, purchased with one or more wells drilled, from whom purchased: None	Name	Address
Well location (give footage from section lines) 663.38 FEL & 692.64 FSL	Section--township--range or block and survey Sec. 1, T-19N, R-7E, G & SRB&M	Dedication (Comply with Rule 105) S/2 SE/4
Field and reservoir (if wildcat, so state) Wildcat	County Coconino	
Distance, in miles, and direction from nearest town or post office 8 miles S E of Flagstaff		
Proposed depth: 4,000	Rotary or cable tools Rotary	Approx. date work will start June, 1976
Bond Status Sent 4/30/76	Organization Report	Filing Fee of \$25.00
Amount \$5,000.00	On file <input checked="" type="checkbox"/> Or attached	Attached <input checked="" type="checkbox"/>
Remarks:		
<p>CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the <u>agent</u> of the <u>Wichita Industries, Inc.</u> (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.</p> <p align="right"><i>W.R. Buntz</i> Signature Koester</p> <p align="right">April 30, 1976 Date</p>		
Permit Number: # 661	<p>STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Application to Drill or Re-enter File Two Copies</p> <p>Form No. 3</p>	
Approval Date: 5-4-76		
Approved By: <i>W.E. Coe</i>		
<p>Notice: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided.</p>		

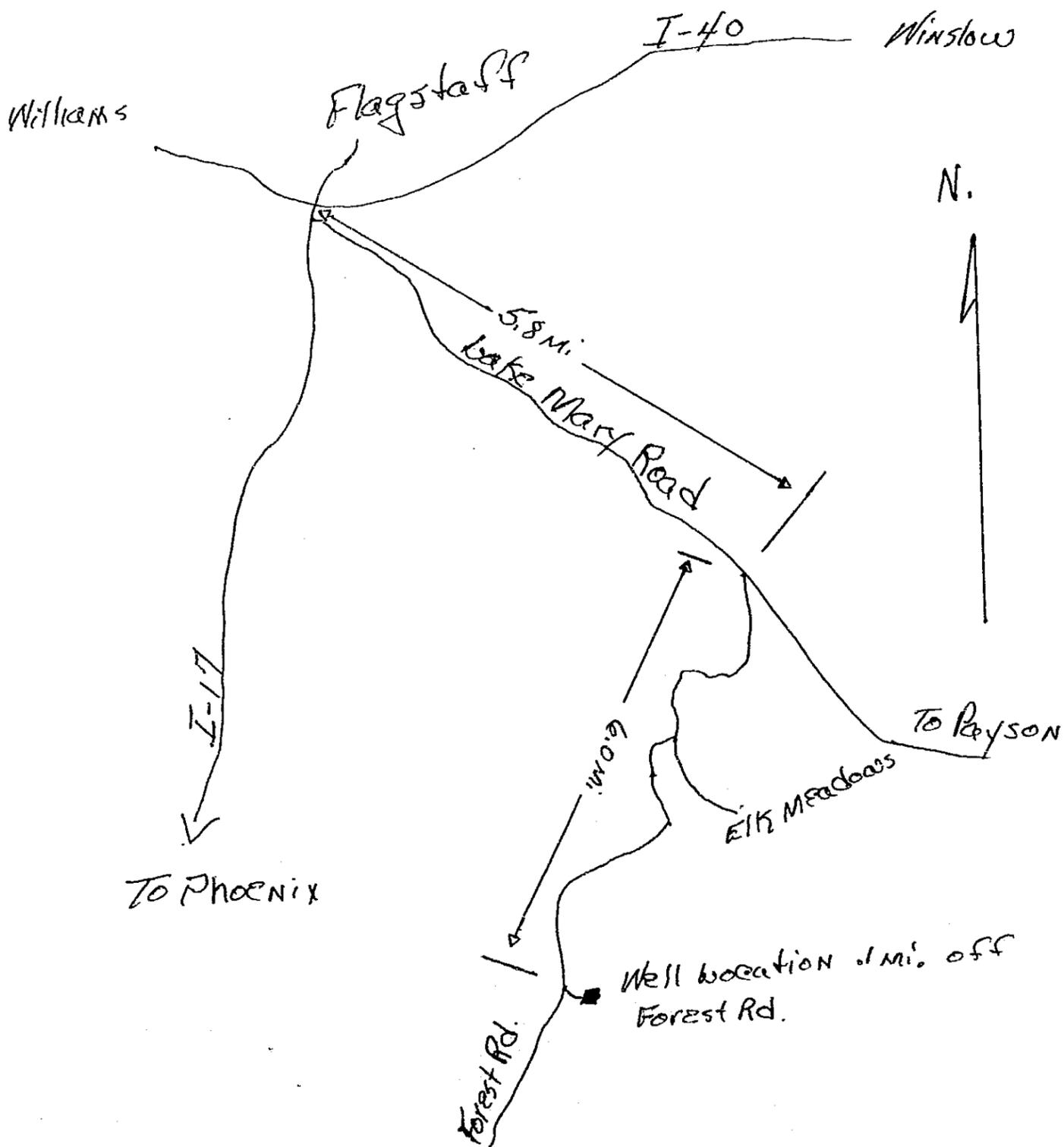
- Operator shall outline the dedicated acreage for both oil and gas wells on the plat.
- A registered professional engineer or land surveyor registered in the State of Arizona or approved by the Commission shall show on the plat the location of the well and certify this information in the space provided.
- All distances shown on the plat must be from the outer boundaries of the Section.
- Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES NO
- If the answer to question four is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES NO If answer is "yes," Type of Consolidation _____
- If the answer to question four is "no," list all the owners and their respective interests below:

Owner	Land Description
	<p style="text-align: center;">CERTIFICATION</p> <p>I hereby certify that the information above is true and complete to the best of my knowledge and belief.</p> <p>Name _____</p> <p>Position _____</p> <p>Company _____</p> <p>Date _____</p> <p>I hereby certify that the well location shown on the plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.</p> <p>Date Surveyed _____</p> <p>Registered Professional Engineer and/or Land Surveyor _____</p> <p>Certificate No. _____</p>

PROPOSED CASING PROGRAM

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
10-3/4	40.5#	J-55	-0-	400	400	300
5-1/2	23#	J-55	-0-	4000	4000	750



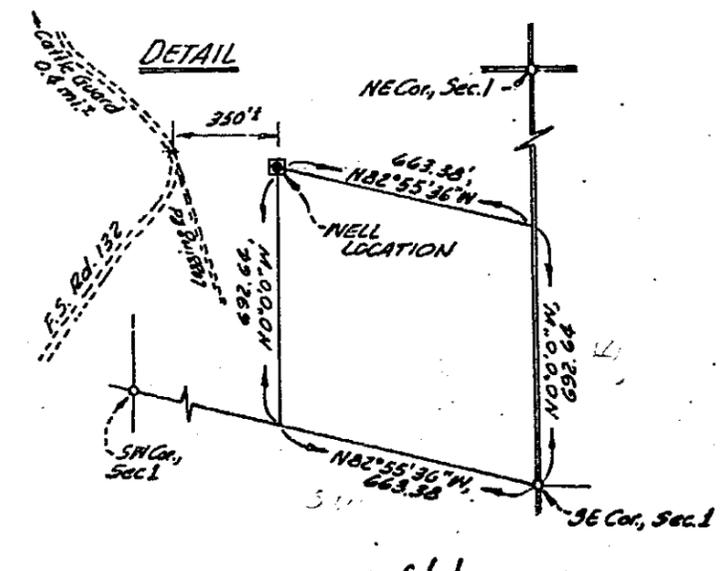
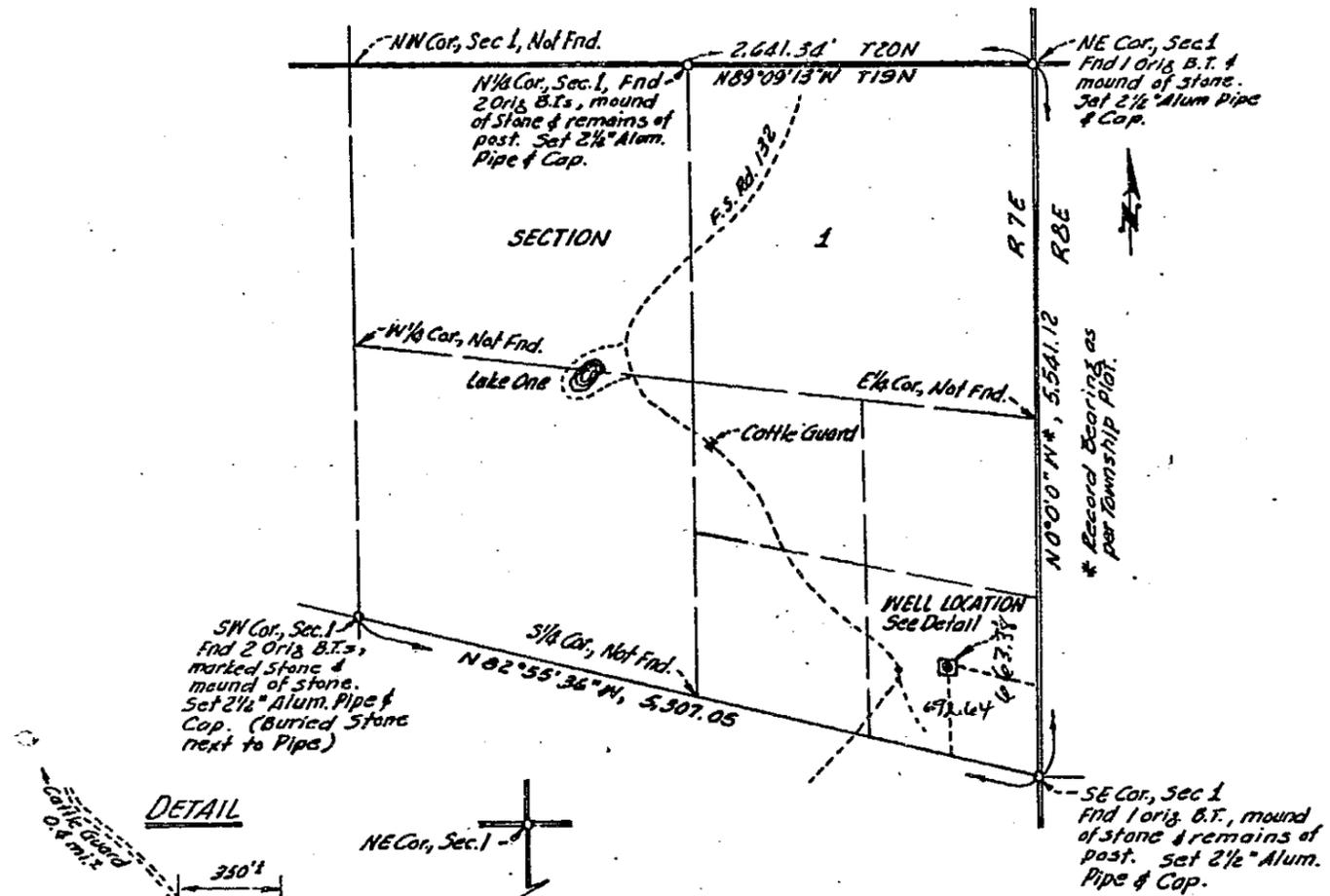


Wichita Industries
 Fed. No. 1 SE/SE 1-19N-7E
 Permit 661

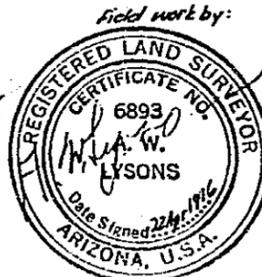
Well location is in the approximate center of the SE 1/4 SE 1/4 Section 1, Township 19 North, Range 7 East, Gila & Salt River Base & Meridian, Coconino County, Ariz.

Well location is approximately 0.4 miles south of an existing Cattle Guard on F.S. Rd. 132 and 350'± to the east of F.S. Rd. 132.

For additional information, See Map # 504, Scale 1"=400'



This is to certify that this plat was prepared from field notes of actual surveys made by me or under my supervision and is true and correct to the best of my knowledge and belief; this does not however, purport to verify ownership of properties shown on this plat or involved in this survey made in April, 1976. Easements should be determined by owners attorney or other representative.



PLAT OF WELL LOCATION			
In the SE 1/4 SE 1/4, Section 1, T. 19 N., R. 7 E., G. & S. R. B. & M., Coconino County, Ariz.			
For: K. & A. Inc.	Job # 76102		
Scale: None	Apr. 1976	By: A.E.	Re: Map # 504
ARIZONA ENGINEERS CO., Flagstaff, Ariz., 86001			

661

Form 9-331 C
(May 1963)

CORRECTED REPORT

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-E1425.

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

12. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

13. TYPE OF WELL
 OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
Wichita Industries, Inc.

3. ADDRESS OF OPERATOR
c/o K & A, Inc., 3430 Entex Building, Houston, Texas 77002

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface
Center of S E of S E of Section 1, 19N, 7E
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
8 miles S E of Flagstaff

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, ST. (Also to nearest drig. unit line, if any) 658

16. NO. OF ACRES IN LEASE 2396.8

17. NO. OF ACRES ASSIGNED TO THIS WELL 80

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. None

19. PROPOSED DEPTH 4000

20. ROTARY OR CABLE TOOL* Rotary

21. ELEVATIONS (Show whether DF, BT, GR, etc.) 7174 GR

22. APPROX. DATE WORK WILL START* June, 1976

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	32.3#	400	300 sx
8-3/4"	5-1/2"		4000	750 sx

Geology - The Mormon Mountain area is a surface anticlinal feature and we hope to find a Devonian reef with sufficient porosity and permeability to be commercially productive of hydrocarbons. The expected top is 3500 feet.

Drilling - We expect to use a H-37 Ideco rotary drilling rig. The rig specifications are:

RECEIVED
JUL 23 1976
D & G CONS. COMM.

- (1) Diesel Fuel
- (2) 1500 to 6000' drilling range
- (3) 485 horsepower drawworks
- (4) 300 horsepower mud pumps, type 1 FXKGD
- (5) QRC type blowout preventers equipped with normal controls and pipe and blind rams.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

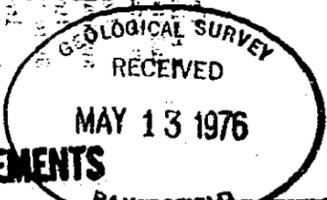
24. SIGNED W.R. Binkley TITLE Agent DATE 4/30/76

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY J.D. Rintoul TITLE Acting District Engineer DATE July 21, 1976

CONDITIONS OF APPROVAL, IF ANY: J. D. Rintoul
cc: Regional Manager's office, Menlo Park/thru L.A.
RM State Office, Phoenix, Arizona/thru L.A.
USFS, Flagstaff, Arizona,
District Geologist, L.A. *See Instructions On Reverse Side
Arizona Oil & Gas Conservation Commission
Phoenix, Arizona

SEE ATTACHED CONDITIONS AND REQUIREMENTS



WIK

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Wichita Industries

2. OIL WELL GAS WELL OTHER (Specify) Wildcat

3. Well Name Federal No. 1

Location SE/4 SE/4

Sec. 1 Twp. 19-N Rge. 7-E County Coconino Arizona.

4. Federal, State or Indian Lease Number, or lessor's name if fee lease A-8538

5. Field or Pool Name Wildcat

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	MONTHLY PROGRESS <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) <input type="checkbox"/>	ABANDONMENT <input type="checkbox"/>
(OTHER) <u>Drill</u>			

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

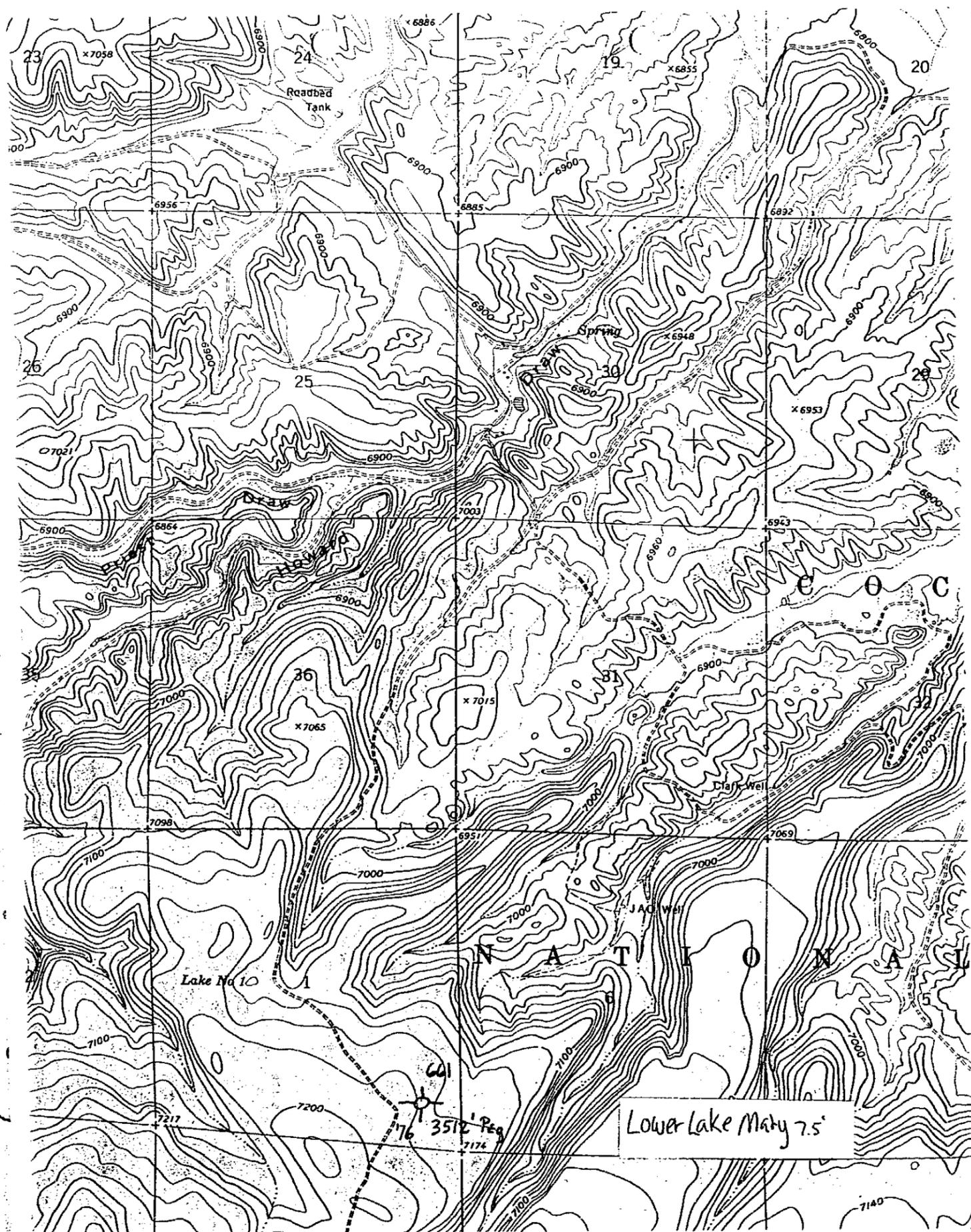
7/28/76 - Preparing location
 8/3/76 - Moving in rig
 8/6/76 - Finished rigging up and started drilling rat hole. Expect to spud this afternoon.

8. I hereby certify that the foregoing is true and correct.

Signed Byde G. Leau Title Chief Production Clerk Date 8/6/76

STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Sundry Notices and Reports On Wells
 File Two Copies
 Form No. 25

Permit No. 661





PERMIT TO DRILL

This constitutes the permission and authority from the

OIL AND GAS CONSERVATION COMMISSION,
STATE OF ARIZONA,

To: Wichita Industries, Inc. c/o K&A, Inc.
(OPERATOR)

to drill a well to be known as

Wichita Industries, Inc. Federal #1
(WELL NAME)

located 663.38' FSL & 692.64 FSL

Section 1 Township 19N Range 7E, Cocconino County, Arizona.

The S/2 SE/4 Sec 1, T19N, R7E of said
Section, Township and Range is dedicated to this well.

Said well is to be drilled substantially as outlined in the attached Application and must be drilled
in full compliance with all applicable laws, statutes, rules and regulations of the State of Arizona.

Issued this 4 day of May, 19 76.

OIL AND GAS CONSERVATION COMMISSION

By [Signature]
EXECUTIVE SECRETARY

PERMIT **Nº 661**
SAMPLES ARE REQUIRED
RECEIPT NO. 0651
API #02-005-20007

State of Arizona
Oil & Gas Conservation Commission
Permit to Drill

FORM NO. 27





Wichita Ind.

Fed #1 Permit 661

M312301JR

Wichita Ind.

Fed #1 Permit 661

M312301JR

M312301JR



OFFICE OF
Oil and Gas Conservation Commission
STATE OF ARIZONA

1645 WEST JEFFERSON, SUITE 420
PHOENIX, ARIZONA 85007
PHONE: (602) 255-5161

January 7, 1985

Ms. Susan Treece
Wichita Industries, Inc.
City Center 4, Suite 4500
1801 California
Denver, CO 80202

RE: Blanket Bond No. 335B7095
Permits 661 and 667

Dear Ms. Treece:

This is in response to your letter of December 19, 1984 requesting release of subject bond.

All Commission rules and regulations pertaining to wells drilled by Wichita Industries have been complied with, and approval is hereby granted to release the bond.

If I may be of further assistance, please advise.

Sincerely,

R. A. Ybarra
R. A. Ybarra
Enforcement Director

/kb

WICHITA INDUSTRIES, INC.

CITY CENTER 4 • SUITE 4500
1801 CALIFORNIA • DENVER, COLORADO 80202
(303) 293-8167

RECEIVED

DEC 21 1984

O & G CONS. COMM.

*AKS
RAY*

December 19, 1984

Oil and Gas Conservation Commission
1645 W. Jefferson, Suite 420
Phoenix, Arizona 85007

Re: Bond # 335B7095
\$25,000 Blanket Bond

Gentlemen:

Wichita Industries, Inc. wishes to cancel the captioned bond effective 1/1/85. We do not operate any wells in Arizona nor do we have any plans to do so in the near future. Your approval of the cancellation would be appreciated.

Sincerely,

Susan Treece

Susan Treece
Vice President/Land

cc: Barnard Insurance Agency
Tommy Stone

ST:mr



OIL & GAS PROPERTY MANAGEMENT

3330 ENTEX BLDG. • 1200 MILAM ST. • HOUSTON, TEXAS 77002 • AREA 713/658-0537 • CABLE: KEPPEX TELE: 762-324

December 2, 1976

RECEIVED

DEC 6 1976

O & G CONS. COMM.

Oil & Gas Conservation Commission
State of Arizona
8686 North Central, Suite 106
Phoenix, Arizona 85020

Attention: Mr. William E. Allen

Gentlemen:

Enclosed you will find a copy of your form number 4 (Well Completion or Recompletion Report and Well Log) covering Wichita Industries, Inc., well Federal No. 1-1, Wildcat Field, Coconino County, Arizona.

If you need additional information, please advise.

Very truly yours,

K & A, INC.

Clyde G. Pearce
Clyde G. Pearce

CGP:djm
Enclosure

cc: Mr. Elmore Willets
Mr. B. L. Bryans

RECEIVED

DEC 6 1976

O & G CONS. COMM.

661



OFFICE OF
Oil and Gas Conservation Commission

STATE OF ARIZONA
8825 NORTH CENTRAL, SUITE 106
PHOENIX, ARIZONA 85020
PHONE: (602) 271-5161

November 23, 1976

K & A, Inc.
330 Entex Building
1200 Milam Street
Houston, Texas 77002

Attention: Mr. Clyde G. Pearce
Chief Production Clerk

Re: Wichita Industries, Inc. Federal #1
SE/4 SE/4 Sec. 1, T19N, R7E, Permit 661

Wichita Industries, Inc. Federal #1-11
SE/4 NW/4 Sec. 11, T17N, R9E, Permit 667

Dear Mr. Pearce:

Would you please send this office a copy of completion reports on the above referred wells (forms enclosed).

It is assumed that Wichita Industries has decided not to drill the other three wells that have been permitted. Please advise if this is correct.

Also advise this office if Wichita Industries still wishes to maintain the two holes that have been drilled in a confidential status.

Your cooperation is appreciated.

Very truly yours,

William E. Allen
Director
Enforcement Section

WEA/vb

Enc.

RECEIVED

OCT 7 1976

O & G CONS. COMM.

MANGUM, WALL AND STOOPS
ATTORNEYS AT LAW
222 EAST BIRCH AVENUE
FLAGSTAFF, ARIZONA 86001

October 5th, 1976

H. KARL MANGUM
DOUGLAS J. WALL
RICHARD K. MANGUM
DANIEL J. STOOPS
GERALD W. NABOURS
TONY S. CULLUM

NEIL V. CHRISTENSEN
1923-1966

MAILING ADDRESS: P. O. Box 10
TELEPHONE 774-8664

Mr. William E. Allen
Director
Oil and Gas Conservation Commission
8686 North Central, Suite 106
Phoenix, Arizona 85020

Re: Wildcat Well # 1

Dear Mr. Allen:

I enclose herewith a conformed copy of an agreement reached between Wichita Industries, Inc. and the City of Flagstaff with respect to the City's acceptance of responsibility for compliance with all requirements affecting the abandonment of the Wildcat Well, with the City accepting all responsibilities for use and final plugging of the Well. You will also find your Form 26, duly executed by the City.

Very truly yours,

MANGUM, WALL AND STOOPS


H. K. Mangum

HKM/sl
Encs.
cc: Wichita Industries, Inc.

MANGUM, WALL AND STOOPS
ATTORNEYS AT LAW
222 EAST BIRCH AVENUE
FLAGSTAFF, ARIZONA 86001

H. KARL MANGUM
DOUGLAS J. WALL
RICHARD K. MANGUM
DANIEL J. STOOPS
GERALD W. NABOURS
TONY S. CULLUM

NEIL V. CHRISTENSEN
1923-1966
MAILING ADDRESS: P. O. Box 10
TELEPHONE 774-6664

September 29, 1976

City of Flagstaff
P. O. Box 1208
Flagstaff, Arizona 86002

ATTENTION: Terry Hance
Assistant City Attorney

Re: Wichita Industries Oil Well
Federal No. 1-1
Section 1, Township 19 N, Range 7 E,
Coconino County

Gentlemen:

In connection with the negotiations that have been carried on with respect to the transfer of any interest in the above referenced well to the City of Flagstaff, we make the following proposal to the City, namely:

Wichita Industries will set all plugs required in the well by the United States Geological Survey and the United States Forest Service through the naco formation at 2600 feet depth.

The City will accept the well after such plugging and relinquishment by Wichita and thereafter when they have finished with the well the City will set the required plug at the shoe on the base of the surface casing, set the surface plug, the surface monument and do all necessary area clean-up as required by the referenced agencies.

If the foregoing conditions are acceptable to the City, would you please acknowledge the same by securing the signature of the proper City officials to a copy of this letter and return to the undersigned at my office in Flagstaff.

Very truly yours,

MANGUM, WALL AND STOOPS


H. K. Mangum

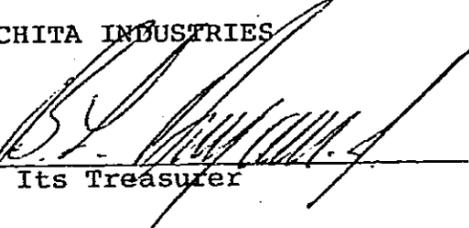
MANGUM, WALL AND STOOPS

City of Flagstaff
September 29, 1976
Page Two

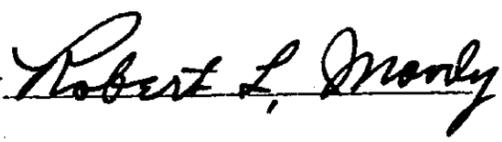
The foregoing proposal has been considered by the City staff in connection with the requirements of the United States Geological Survey and the United States Forest Service and subject to the following limiting conditions, the City will accept responsibility for said well and the requirements of said agencies:

- (1) The City will guarantee to Wichita Industries that at the completion of our testing of the Redwall-Martin aquifer we will plug off the lower portion of the well to the satisfaction of the United States Forest Service and the United States Geological Survey, and will also replace the plug in the naco and meet Forest Service requirements for completion at the surface.
- (2) As outlined Wichita Industries will place one (1) plug at this time in the area of the naco, approximately 2650 feet.
- (3) It is understood that because Wichita Industries is the entity bonded to meet the requirements of said agencies that said bond will necessarily remain posted until all of the foregoing requirements have been accomplished and the City will fulfill such requirements to the end that upon its abandonment of the well said bond can be released and exonerated. If any renewal premium on said bond is required, the City will pay the same.

WICHITA INDUSTRIES

By 
Its Treasurer

CITY OF FLAGSTAFF

By 

WICHITA INDUSTRIES, Inc.

Wichita River Oil Division

1503 Investment Building
Pittsburgh, PA 15222

RECEIVED

AUG 31 1976

O & G CONS. COMM.

August 27, 1976

Mr. W. E. Allen, Director
Enforcement Section
Oil & Gas Conservation Commission
8686 North Central Avenue
Phoenix, Arizona 85020

Dear Mr. Allen:

When I talked with you recently at our rig in Coconino County, you informed me that the State has a special form for use when another party takes over a dry hole for use as a water supply well. Although we are continuing to run swab tests on our first well, it may well prove dry; and in that case, we shall perhaps turn it over to the city of Flagstaff for their use.

Would you please forward a copy of the necessary form to me at the address above, and to our Flagstaff attorney, Karl Mangum at 222 East Birch Street, Flagstaff.

We understand you need written authority from this company to keep this well a "tight hole." Please accept this letter as the necessary instruction and authority.

We are currently moving the drilling rig to another location some miles south of the first test; and perhaps I shall have the opportunity to see you when this second well reaches the Devonian.

Sincerely yours,

WICHITA INDUSTRIES, INC.

James A. Willets, Jr.
James A. Willets, Jr.
Executive Vice President

cc: Karl Mangum

4661

FOUR REMOTE DEVONIAN TESTS STAKED IN ARIZONA

Wichita Industries has staked four remote wildcats in its drilling program in southeastern Coconino County, Arizona. All are projected to Devonian at 4000 ft. They are 1-13 Federal, ne se 13-19n-7e; 1-11 Federal, se nw 11-17n-9e; 1 Lockett, nw ne 4-17n-9e; and 1-18 Federal, ne nw 18-17n-10e. The first well in the series, 1 Federal, ne se 1-19n-7e, is reportedly at total depth with no details released. It is about ten miles south of the town of Flagstaff and two miles north of one of the newly staked ventures, the 1-13 Federal. The other three new tests are 24 to 28 miles south-southeast of Flagstaff and two to six miles south of Mormon Lake.

COMPLETIONS

September 1, 1976

Mr. Elmore A. Willets, Jr.
Executive Vice President
Wichita Industries, Inc.
1603 Investment Building
Pittsburg, Pennsylvania 15222

Dear Mr. Willets:

As you requested, we are attaching copies of Form 26, "Water Well Acceptance". We are also mailing copies of this form to Mr. Karl Mangum.

If we can be of any further service, please advise.

Very truly yours,

William E. Allen
Director
Enforcement Section

WEA/vb

Enc.

661

September 1, 1976

Mr. Karl Mangum
222 E. Birch Street
Flagstaff, Arizona 86001

Dear Mr. Mangum:

Mr. Willets with Wichita Industries requested that we
send you the attached water well acceptance form.

Very truly yours,

William E. Allen
Director,
Enforcement Section

WEA/vb

Enc.

6601

August 25, 1976

Mr. W. R. Brinkoeter
K & A, Incorporated
3430 Antex Building
1200 Milam Street
Houston, Texas 77002

Re: Wichita Industries, Inc.
State of Arizona Surety Bond
(\$25,000)

Dear Mr. Brinkoeter:

The above-referred bond issued by Travelers Indemnity Company March 5, 1976 does not indicate a bond number.

It would be appreciated if you would inform this office of the number that Travelers has assigned to this bond. A copy of the bond is enclosed for your information.

Very truly yours,

William E. Allen
Director
Enforcement Section

WEA/vb

Enc.

*Effective immediately
the telephone number
for the Houston office
of
KEPLINGER AND ASSOCIATES, INC.
has been changed to
(713) 651-3127
The address remains the same:
Keplinger and Associates, Inc.
3430 Entex Building
1200 Milam
Houston, Texas 77002*

*Effective immediately
the telephone number
for the Houston office
of
K & A, INC.
has been changed to
(713) 658-0537
Effective October 1, 1976
the address of K & A, Inc.
will be
3330 Entex Building
1200 Milam
Houston, Texas 77002*



OIL & GAS PROPERTY MANAGEMENT

3430 ENTEX BLDG. . 1200 MILAM ST. . HOUSTON, TEXAS 77002 . AREA 713/227-1537 . CABLE: KEPPEY TELEX: 762-324

July 9, 1976

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

Attention: Mr. William E. Allen

Re: Wichita Industries Federal No. 1
SE/4 SE/4 Sec. 1 T19N, R7E
Coconino County, Arizona
Permit No. 661

Gentlemen:

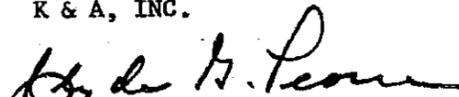
This is to advise that I would appreciate a ninety-day extension on Permit No. 661, covering Wichita Industries, Inc., Federal No. 1.

The reason for this extension lies in the delay in getting approval from the USGS.

If additional information is needed, please advise.

Very truly yours,

K & A, INC.


Clyde G. Pearce

CGP:d1m

RECEIVED
JUL 13 1976
O & G CONS. COMM.

8686 N. Central, Ste. 106
XXXXXXXXXXXXXXXXX
xxx 85020

July 2, 1976

Mr. W. R. Brinkoeter
K & A, Inc.
3430 Entex Building
1200 Milam Street
Houston, Texas 77002

Re: Wichita Industries, Inc. Federal #1
SE/4 SE/4 Sec. 1, T19N, R7E
Coconino County, Arizona
Permit #661

Dear Mr. Brinkoeter:

The drilling permit covering the drilling of the above-referred well will expire August 4, 1976.

Should you wish an extension to this permit, please notify this office of your desire and the length of the extension prior to August 4, 1976.

Very truly yours,

William E. Allen
Director,
Enforcement Section

WEA/vb

Page 2
Enforcement Section
May 13, 1976

A permit has been issued to Wichita Industries, Wichita Falls, Texas to drill a 4000' test in the SE/SE/4, Section 1, T19N,R7E, Coconino County. It is my understanding that this is to be a three-well program.

May 4, 1976

Mr. Clyde G. Pearce
K & A., Inc.
3430 Entex Bldg.
1200 Milam Street
Houston, Texas 77002

RE: Wichita Industries, Inc., Fed. #1
SE/SE Sec 1, T19N, R7E, Coconino County
Permit #661

Dear Mr. Pearce:

Enclosed please find your receipt for the \$25.00 filing fee, approved copy of your application, your permit and the necessary forms to keep us advised of your progress.

Please advise us of the name of the drilling contractor when you have selected one. Also we would appreciate if you would notify the Commission of the date that you spud this well.

Since this is your first venture in drilling a well in the state of Arizona, I would refer you to Rule #119 pertaining to this Commission's requirements for well samples.

Your application indicated 80 acres dedicated to the above referenced well; however, it did not indicate which 80 acres. We have arbitrarily assigned the S/2 of the SE/4. If this isn't suitable, please advise which 80 acres you wish dedicated to this well.

If this Commission can be of any assistance, please let us know.

Very truly yours,

W. E. Allen, Director
Enforcement Section

WEA/sl

Encls.



OIL & GAS PROPERTY MANAGEMENT

3430 ENTEX BLDG. . 1200 MILAM ST. . HOUSTON, TEXAS 77002 . AREA 713/227-1537 . CABLE: KEPPEX TELEX: 762-324

April 30, 1976

Oil & Gas Conservation Commission
State of Arizona
4515 North 7th Avenue
Phoenix, Arizona 85013

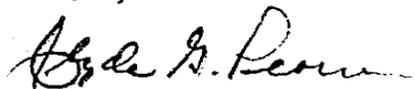
Gentlemen:

Enclosed you will find a copy of the application for permit to drill a wildcat well on Federal Lease A-8538, Coconino County, Arizona for Wichita Industries, Inc. Also, enclosed is a check in the amount of \$25.00 for the filing fee.

If additional information is needed please advise.

Very truly yours,

K & A, INC.


Clyde G. Pearce

CGP:dlh
Enclosures

661

May 4, 1976

Mrs. Jo Ratcliff
Four Corners Sample Cut Association
P. O. Box 899
Farmington, New Mexico 87401

Dear Mrs. Ratcliff:

The following permit was issued today:

Wichita Industries, Inc. Federal #1
663.38 FEL & 692.64' FSL
Sec. 1, T19N, R7E, Coconino County
Permit #661

Very truly yours,

Saralee Lorenzo
Secretary

sl

Memo = Mr. Allen

From = Saralee

4-27-76

Mr. Clyde Pierce, Wichita Industries, called and wanted to know what was needed to apply for a permit to drill.

I told him we needed the \$25.00, plat, ~~bond, organization report~~ before we could issue the permit.

He said the \$25, plat, ~~bond, organization~~ report was on the way.

We also wanted to know what other forms were necessary and wanted to know about water rights.

He did not seem to know too much about getting a permit. He has a copy of our Rules and Regulations.

His phone number is 713/227-3127 if you need to call him.

sl

He also had questions about the dedication part of the application to drill. He did not seem to understand it.

Also about the casing - he wanted to know if he had to fill out the back of the application to drill regarding the casing. I told him I thought he did.

He said he did not have a drilling contractor at present.

661