

CONFIDENTIAL
Release Date

P-W

ARKLA EXPLORATION #10 NMA 359
SW SE 27-16N-23E Navajo County

sl

COUNTY Navajo AREA 7 1/2 mi SE Woodruff LEASE NO. _____

WELL NAME ARKLA EXPLORATION CO. #10 NMA

LOCATION SW SE SEC 27 TWP 16N RANGE 23E FOOTAGE 3149' FWL & 426 FSL
ELEV 5302.77GR 5310 DFKB SPUD DATE 8-23-66 STATUS _____ TOTAL DEPTH 1009' logs
COMP. DATE 10-24-66 DEPTH 1007'

CONTRACTOR Sojourner Drilling Company

CASING SIZE	DEPTH	CEMENT	LINER SIZE & DEPTH	DRILLED BY ROTARY
9 5/8	72'	50 SKS	NA	<input checked="" type="checkbox"/>
7	873	350 SKS		<input type="checkbox"/>
				DRILLED BY CABLE TOOL <input type="checkbox"/>
				PRODUCTIVE RESERVOIR <input type="checkbox"/>
				INITIAL PRODUCTION <u>Strat</u>

FORMATION TOPS	DEPTHS	SOURCE		REMARKS
		L.L.	E.L.	
Chinle	Surface		x	
Shinarump	90'			
Moenkopi	159'			
Coconino	328'			
Supai	848'			
Salt	911'			

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS	SAMPLE LOG
Radioactivity/Formation			SAMPLE DESCRP. <u>4 Corners</u>
Density/GR			SAMPLE NO. <u>1509*</u>
			CORE ANALYSIS <u>920-959'</u>
			DSTs _____
			*Tucson 2586

REMARKS <u>Mineral Strat Test / Had blow 1059' Supai</u>	APP. TO PLUG <input checked="" type="checkbox"/>
<u>1st Gas Sample - showed 1% helium</u> <i>dl's record says "940-959-1007"</i>	PLUGGING REP. <input checked="" type="checkbox"/>
<u>2nd Gas Sample - showed 2.4% helium</u>	COMP. REPORT <input checked="" type="checkbox"/>

WATER WELL ACCEPTED BY _____

BOND CO. U. S. Fidelity & Guaranty BOND NO. 12176 13 601605
 BOND AMT. \$ 25,000 CANCELLED 9-24-69 DATE _____
 FILING RECEIPT 9457 LOC. PLAT WELL BOOK PLAT BOOK
 API NO. 02-017-05133 DATE ISSUED 8-24-66 DEDICATION _____

PERMIT NUMBER 359

CONFIDENTIAL

(over)

Release Date 4-24-67

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 ARKLA EXPLORATION COMPANY		Address Box #669, Holbrook, Arizona	
Federal, State or Indian Lease Number or name of lessor if fee lease NMA		Well Number 10	Field & Reservoir
Location SW SB		County Navajo	
Sec. TWP-Range or Block & Survey Sec. 27-T16N-R23E			
Date spudded 8-23-66	Date total depth reached 8-29-66	Date completed, ready to produce	Elevation (DE, RCB, RT or Gr.) feet 5310
Total depth 1007	P.B.T.D.	Single, dual or triple completion?	Elevation of casing hd. flange feet
Producing interval (s) for this completion Strat test		Rotary tools used (interval)	Cable tools used (interval)
Was this well directionally drilled?	Was directional survey made?	Was copy of directional survey filed?	Date filed
No	No		
Type of electrical or other logs run (check logs filed with the commission) Radioactivity			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
Sur.	13 3/4	9 5/8	32.50	72	50	0
Int.	8 3/4	7	20	873	350	0

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 _____ Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump:)

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)

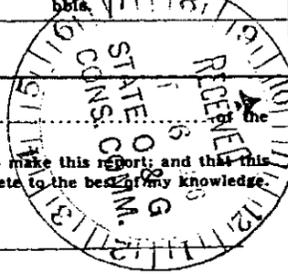
Tubing pressure	Casing pressure	Cal'd rate of Production per 24 hrs.	Oil bbls.	Gas MCF	Water bbls.	Gas-oil ratio

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 _____ (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 Oct 25-66

Signature [Handwritten Signature]



Permit No. **359**

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 X

Formation	Top	Bottom	Description*
Chinle	Sur.	90	Shale, vericolored.
Shinarump	90	159	Sand, conglomerate.
Moenkopi	159	328	Sand, and Shale.
Cocomino	328	848	Sand.
Supai	848	911	Anhydrite and Shale.
Salt	911	1007	Salt.
TD	1007	In salt.	

* Show all important zones of porosity, detail of all cores, and all drill-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 Oil & Gas Conservation Commission not later than thirty days after project completion.

PLUGGING RECORD

Operator ARKLA EXPLOR. CO.		Address Box #669, Holbrook, Ariz	
Federal, State, or Indian Lease Number, or lessor's name if fee lease. NMA		Well No. 10	Field & Reservoir Wildcat
Location of Well 3149 FWL, 426 FSL Sec. 27-T16N-R23E		Sec-Twp-Rge or Block & Survey	County Navajo
Application to drill this well was filed in name of ARKLA EXPLOR. CO.	Has this well ever produced oil or gas No.	Character of well at completion (initial production): Oil (bbls/day) Gas (MCF/day) Dry?	
Date plugged: 10-24-66	Total depth 1007	Amount well producing when plugged: Oil (bbls/day) Gas (MCF/day) Water (bbls/day)	
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.)	Packers and shoes
9 5/8	72	0	72		Circulated cement
7	873	0	873		Circulated cement

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

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

Name	Address	Direction from this well:
N.A.		

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.

Use reverse side for additional detail.

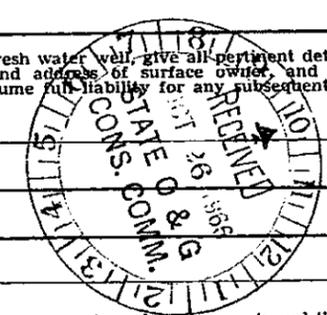
CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the _____ of the _____ (company) and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete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

Date

10-25-66

Signature

James Baldry



CONFIDENTIAL

Release Date _____

Permit No. **359**

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION

Plugging Record
File One Copy

Form No. 10

WELL NAME: # 10 NMA

LOCATION:

ELEVATION:

942.15-947.06-.50

SALT VLT ORNG TRS SH & ORNG MAT-1.0' SALT VLT ORNG SMALL ANHY INCLS
TRS ORNG MAT 1.35 SALT VLT GRA TRS ORNG MAT ANHY INCLS SL TRS RED
K3%.

STATS ↓

945-.50 SALT VLT GRA TRS ANHY & ORNG MAT. SL TRS RED K4% .50-46
-.50 SALT VLT ORNG ANHY INCL TRS ORNG MAT - TRS RED K5% 46-.50
SALT LT GRA ANHY INCLS TRS RED & CLOUDY K7% .50-47 SALT LT GRA
TRS ANHY RED K8.5% 47-.50 SALT LT GRA ANHY INCL TRS ORNG MAT-
RED-TRS CLOUDY K11.5% .50-48 SALT LT GRA ANHY INCLS-RED & CLOUDY
K11% 48-.50 SALT-LT GRA -RED & CLOUDY TRS SH K12% .50-49 SALT
15% SH RED K11% 49-.50 SALT 10% SH RED -K7% .50-50 SALT 5% SH
TRS RED - K6% .50-50 SALT TRS LT GRN SH RED & CLOUDY K.5%
.50-51 SALT TRS RED & GRN SH - RED K10% 51-.50 SALT TRS GRN SH
RED & CLOUDY K15% .50-52 SALT 10% SH RED TRS CLOUDY K21% 52-.50
SALT 5% VLT GRN GRA SH RED & CLOUDY K24% .50-53 SALT TRS SH & ORNG
MAT RED & CLOUDY K24% 53-.50 SALT LT MLKY ORNG MAT-RED & CLOUDY
K15% .50-54 LT MLKY SALT ORNG MAT TRS RED & CLOUDY K9% 54-.50
SALT F GRAN LT MLKY ORNG MAT TRS RED K8% .50-55 SALT LT ORNG
F GRAN TRS KCL K9% - 55-.50 SALT F GRAN LT MLKY-LT ORNG TRS KCL
K10% 955.50-955.80 SALT ORNG F GRAN TRS KCL-K8% (K5-955.80)

9-28-66

359

ARKL (EXPLORATION CO (PANY

15

Drilling Record

WELL NAME: NMA # 10

WELL LOCATION: SECTION 27, T16N, R25E
5199 FWL 420 FSL
NAVAJO COUNTY, ARIZONA

WELL ELEVATION: 5302.77 G.L.

CONTRACTOR: SOUTHERN DRILLING COMPANY

SPUD DATE: 8-23-66 5:00 P.M.

SIZE HOLE DRILLED: 10 3/4 " to 72

TYPE DRILLING FLUID: GEL

SURFACE CASING:
Size 9 5/8 " , Wt. 32.5 #, No. Sacks Cement 50 (A)
Cementing Depth: 72

SIZE HOLE DRILLED: 8 3/4 "

TYPE DRILLING FLUID: GEL (B)

INTERMEDIATE CASING:
Size 7 " , Wt. 20 #, No. Sacks Cement 100 (C)
Cementing Depth 879

SIZE HOLE DRILLED OR CORED:
6 1/4 " from 875 to 1007
" from to
" from to
" from to

DRILL STEM TESTS: NONE

NO. BITS USED: 3

ELECTRIC LOGS RAN:
TYPE JET GAMMA RAY - NEUTRON from 1007 to 0
SSCHLUMBERGER - DENSITY from 1007 to 875

ABANDONMENT PLUGS: (F)
No. Sacks Cement from to
from to

WAS CASING RECOVERED?
Depth Shot
No. Feet Recovered 0
No. Feet Not Recovered 873

DATE DRILLING RIG RELEASED: 8-29-66

COMPANY REPRESENTATIVE: J. S. BALDRY AND MAX WOOLERY

SPECIAL NOTES: Unusual drilling problems encountered, etc.
(A) CIRCULATED CEMENT
(B) LOST CIRCULATION @ 855' - NO RETURNS TO CASING POINT
(C) NO CIRCULATION - TEMP SURVEY CEMENT TOP @ 805'
(D) WELL BLEW FLUID OUT @ 940 - 959 - 1007
(E) CORED FROM 920 TO 959
(F) NO ABANDONMENT PLUG - PUT SWEDGE AND VALVE ON WELL

September, 17, 1969

Following is a list of upper hole samples brought in by
Arkla Exploration Sept. 16, 1969

# 337 #6 NMA	Sec.5-17N-23E	Navajo Co. Ariz.
334 #7 NMA	Sec.24-17N-22E	Navajo Co. Ariz.
359 #10 NMA	Sec.27-16N-23E ✓	Navajo Co. Ariz.
357 #15 NMA	Sec.5-16N-23E	Navajo Co. Ariz.
342 #16 NMA	Sec.13-16N-23E	Navajo Co. Ariz.
362 #19 NMA	Sec.23-16N-22E	Navajo Co. Ariz.
364 #20 NMA	Sec.31-17N-23E	Navajo Co. Ariz.
360 #23 NMA	Sec.21-18N-23E	Navajo Co. Ariz.
340 #24 NMA	Sec.18-18N-23E	Navajo Co. Ariz.
331 #33 NMA	Sec.21-17N-22E	Navajo Co. Ariz.
343 #55 NMA	Sec.3-15N-22E	Navajo Co. Ariz.
358 #25 State	Sec.18-16N-23E	Navajo Co. Ariz.
363 #31 State	Sec.34-16N-23E	Navajo Co. Ariz.

These will have to be sent out on order list therefore will be
a few weeks before they are cut.

94
Jo Ratcliff 359
Jo Ratcliff
Four Corners Sample Cut





ARKLA EXPLORATION
C O M P A N Y

JANUARY 8, 1968

MR. JOHN BANNISTER
ARIZONA OIL & GAS COMMISSION
1624 W. ADAMS
PHOENIX, ARIZONA

RE: ABC #10 NMA
SEC. 27-T16N-R23E
NAVAJO CNTY, ARIZONA.

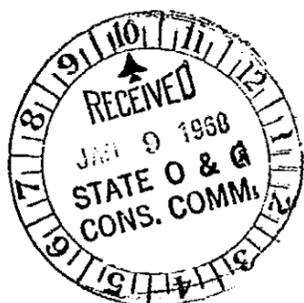
DEAR SIR:

THIS LETTER IS TO CONFIRM OUR CONVERSATION THIS DATE, JANUARY 8, 1968.

QUOTED FROM FORM NO. 25, DATED 11-14-66; "CLEANED OUT HOLE TO TRY AND RECOVER GAS SAMPLE. STARTED 10-18-66 AND FINISHED 10-22-66. RECOVERED SEVERAL SAMPLES THAT WERE TESTED AT NAVAJO, ARIZONA, BY KERR-MCGEE LAB. TESTS SHOWED NEGLIGIBLE AMOUNTS OF HELIUM IN THE SAMPLES RECOVERED. WELL WAS THEN PLUGGED".

THE TERM NEGLIGIBLE IN THE ABOVE PARAGRAPH REFERS TO THE % HELIUM RECOVERED FROM THE SAMPLES IN THE SUBJECT TEST. ONE SAMPLE WAS CARRIED AROUND FOR SEVERAL DAYS BEFORE IT WAS TESTED AND SHOWED 1% HELIUM. BELIEVING THAT THE GAS BOTTLE WAS DEFECTIVE, ANOTHER FRESH SAMPLE WAS GATHERED AT THE SUBJECT TEST SITE AND TAKEN IMMEDIATELY TO KERR-MCGEE LAB. THIS SAMPLE SHOWED 2.4% HELIUM

I HOPE THIS INFORMATION WILL COMPLETE YOUR FILES. IF THIS OFFICE CAN BE OF ANY FURTHER SERVICE, WE WOULD BE GLAD TO HEAR FROM YOU.



YOURS VERY TRULY,
Brian Kirby
BRIAN KIRBY
GEOLOGIST
ARKLA EXPLORATION CO.

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator ARKLA EXPLORATION COMPANY
 2. OIL WELL GAS WELL OTHER (Specify) MINERAL STRATIGRAPHIC TEST
 3. Well Name NMA #10
 Location 3149' FWL X 426' FSL (SW/4SE/4)
 Sec. 27 Twp. 16 N Rge. 23E County NAVAJO Arizona.
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease. NEW MEXICO & ARIZONA LAND CO.
 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"/>
FRACTURE TREAT	<input type="checkbox"/>	DIRECTIONAL DRILL	<input type="checkbox"/>	FRACTURE TREATMENT	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	PERFORATE CASING	<input type="checkbox"/>	SHOOTING OR ACIDIZING	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>	(OTHER)	<input type="checkbox"/>
(OTHER) <u>CHECK GAS SAMPLE</u>	<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.)

CLEANED OUT HOLE TO TRY AND RECOVER GAS SAMPLE. STARTED 10-18-66 AND FINISHED 10-22-66. RECOVERED SEVERAL SAMPLES THAT WERE TESTED AT NAVAJO, ARIZ. BY KERR-MCGEE LAB. TESTS SHOWED NEGLIGIBLE AMOUNTS OF HELIUM IN THE SAMPLES RECOVERED. WELL WAS THEN PLUGGED.

See later letter from Brian Kirby 1-8-68.

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

Signed

James S. Baldry
 JAMES S. BALDRY

Title DRILLING SUPT.

Date 11-14-66

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

Form No. 25

Permit No. 359

APPLICATION FOR PERMIT TO DRILL, DEEPEN, PLUG BACK, OR RE-ENTER

APPLICATION TO DRILL DEEPEN PLUG BACK RE-ENTER OLD WELL

NAME OF COMPANY OR OPERATOR : Arkla Exploration Company DATE August 23, 1966

F. O. Box 669 Holbrook Arizona
Address City State

DESCRIPTION OF WELL AND LEASE

Federal, State or Indian Lease Number or name of lessor, if fee lease	Well number	Elevation (ground)
New Mexico Arizona Land Company	NMA #10	5302.77
Well location and acreage dedicated to the well (give footage from section lines)	Section—township—range or block & survey	
3149 FWL X 426 FSL (SW 1/4 SE 1/4)	27 T-16-N, R-23-E, G&SRM	
Field & reservoir (if wildcat, so state)	County	
Wildcat-mineral stratigraphic test	Navajo	
Distance, in miles, and direction from nearest town or post office		
18 miles southeast of Holbrook - 7 1/2 miles southeast of Woodruff		
Nearest distance from proposed location to property or lease line:	Distance from proposed location to nearest drilling completed or applied—for well on the same lease:	
426 feet	N/A feet	
Proposed depth:	Rotary or cable tools	Approx. date work will start
1400 feet	rotary	August 23, 1966
Number of acres in lease:	Number of wells on lease, including this well completed in or drilling to this reservoir:	
N/A	N/A	
If lease, purchased with one or more wells drilled, from whom purchased:	Name	Address
N/A		
Status and amount of bond	Organization Report	Filing Fee of \$25.00
\$25,000.00-statewide	On file Or attached on file	Attached X

Remarks: (If this is an application to deepen or plug back, briefly describe work to be done, giving present producing zone and expected new producing zone)

Please keep all information confidential.



Verbal approval 8.23.66
*Fill in Proposed Casing Program on reverse side

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Mineral Division Landman.....of the Arkla Exploration Company.....(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.

Ray B. Jones
Signature

CONFIDENTIAL

August 23, 1966
Date

Release Date _____

Permit Number: 359

Approval Date: 8-23-66

Approved By: John Hannister

Notice: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided.
See Instruction on Reverse Side of Form

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Application to Drill, Deepen or Plug Back and Plat
File Two Copies
Form No. 3



PERMIT TO DRILL

This constitutes the permission and authority from the
OIL AND GAS CONSERVATION COMMISSION,
STATE OF ARIZONA,

To: ARKLA EXPLORATION COMPANY
(OPERATOR)

to drill a well to be known as

ARKLA EXPLORATION #10 NMA
(WELL NAME)

located 3149 feet FWL & 426 feet FSL (SW/4 SE/4)

Section 27 Township 16N Range 23E, Navajo County, Arizona.

The _____ 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 29th day of August, 1966.

OIL AND GAS CONSERVATION COMMISSION

By John Rammister
EXECUTIVE SECRETARY

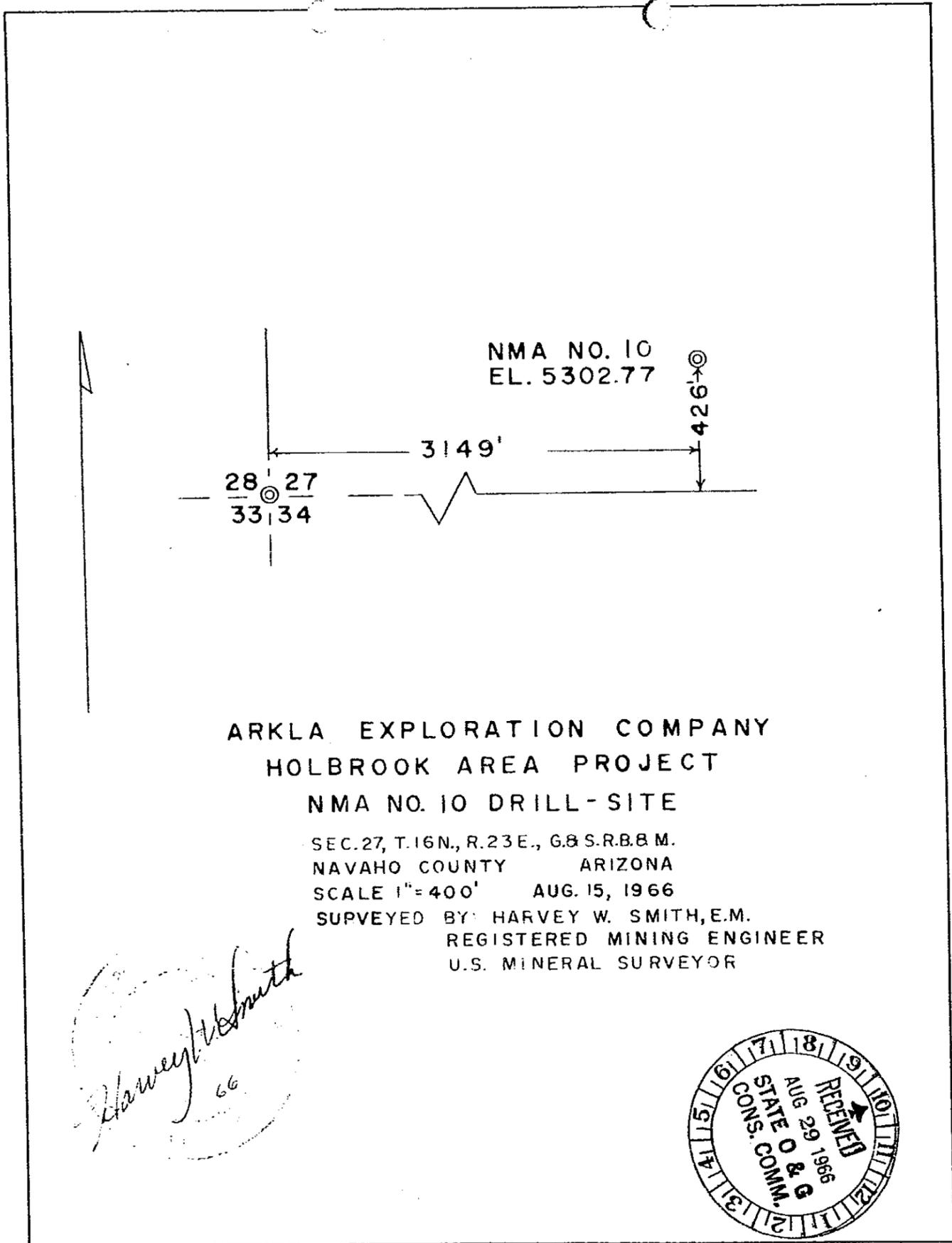
Verbally approved
8-23-66

PERMIT No 359

RECEIPT NO. 9457

State of Arizona
Oil & Gas Conservation Commission
Permit to Drill

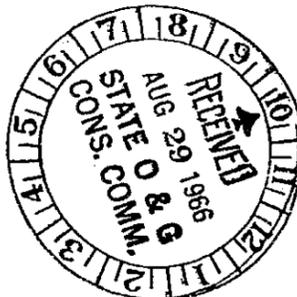
FORM NO. 27

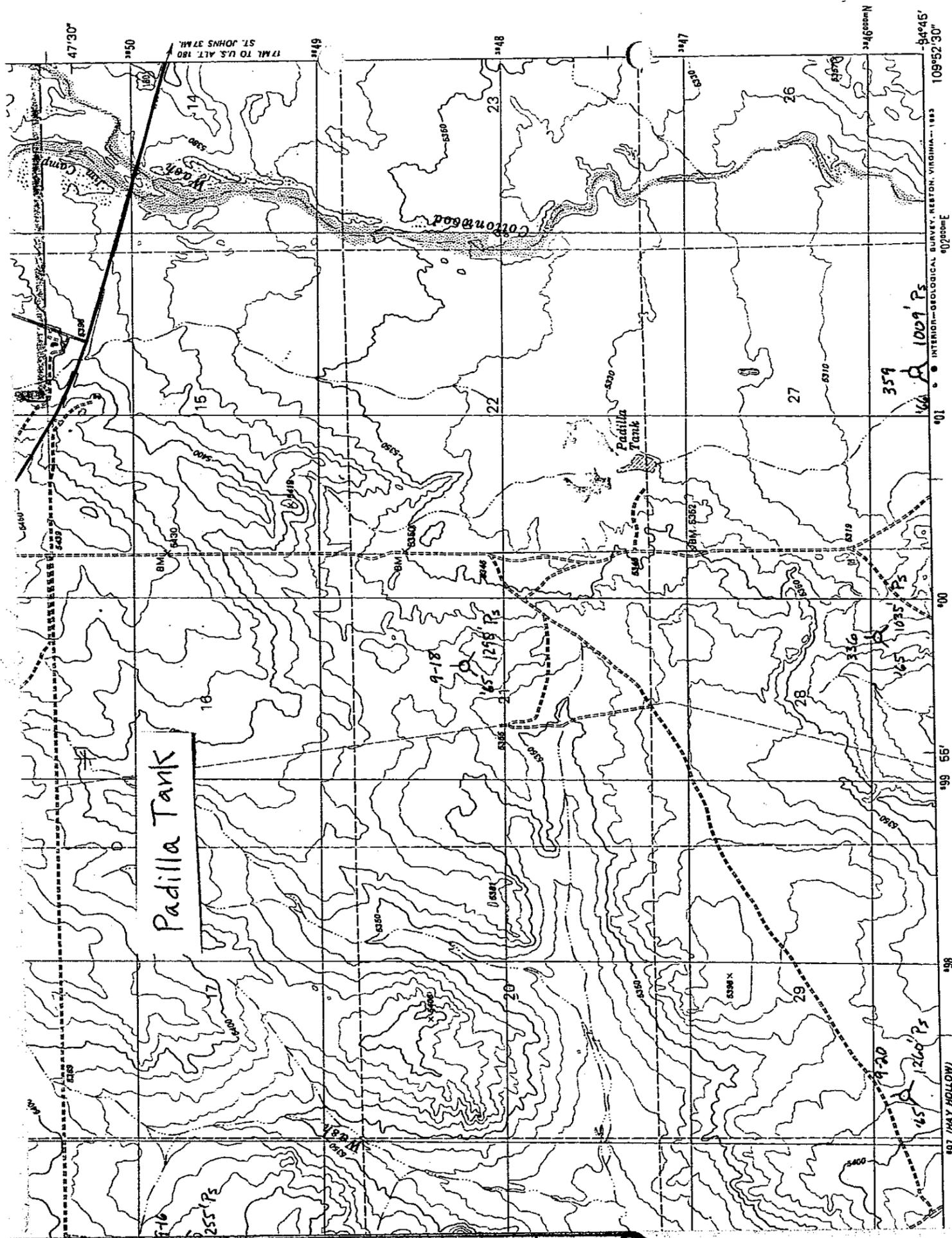


ARKLA EXPLORATION COMPANY
 HOLBROOK AREA PROJECT
 NMA NO. 10 DRILL-SITE

SEC. 27, T. 16N., R. 23E., G. & S. R. B. & M.
 NAVAHO COUNTY ARIZONA
 SCALE 1" = 400' AUG. 15, 1966
 SURVEYED BY: HARVEY W. SMITH, E.M.
 REGISTERED MINING ENGINEER
 U.S. MINERAL SURVEYOR

Harvey W. Smith
 66







OFFICE OF

Oil and Gas Conservation Commission

STATE OF ARIZONA
4515 NORTH 7TH AVE.
PHOENIX, ARIZONA 85013
PHONE: (602) 271-5161

October 29, 1973

Mr. Ted Strickland
Rocky Mountain Well Log Service Co.
1753 Champa Street
Denver, Colorado 80202

Dear Mr. Strickland:

As per your request of October 25, 1973, we are sending you the following logs that you have requested with two exceptions: The Geothermal Kinetics #1 Power Ranches well is still in confidential status and we do not have logs on the Kerr-McGee Corp. #10 Santa Fe.

Kerr-McGee Corp. #5 Santa Fe, 23-20N-28E, Apache Co., Permit #407
Sonic Log and Induction Electrical Log

Kerr-McGee Corp. #11 Santa Fe, 24-19N-27E, Apache Co., Permit #413
Borehole Compensated Sonic Log and Induction-Electrical Log

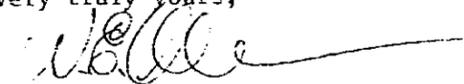
Kerr-McGee Corp. #12 Santa Fe, 22-20N-27E, Apache Co., Permit #414
Borehole Compensated Sonic Log and Induction-Electrical Log

Brown & Thorpe #1 Bullard-Wash, 3-10N-10W, Yavapai Co., Permit #589
Borehole Compensated Sonic Log and Induction-Electrical Log

Arkla Expl. Co., #10 N.M.A., 27-16N-23E, Navajo Co., Permit #359
Radioactivity Log

Due to a recent ruling of the State Finance Department, it is required that this Commission charge postage on the mailing of various matter, i.e., logs, well records and so forth. The postage for mailing the above logs comes to \$.83. Please make check payable to the Oil and Gas Conservation Commission.

Very truly yours,


W. E. Allen, Director
Enforcement Section

WEA/rlb

Encs.

Rocky Mountain Well Log Service Co.

1753 Champa Street

DENVER, COLORADO

266-0588 Area Code 303

80202

BOB ANDREWS, Division Manager



October 25, 1973

CASPER, WYOMING

BOB FITZGERALD
PETA. BLDG. ARCADE
PHONE 234-4411

MIDLAND, TEXAS

DAVID CLARK
123 WEST WALL
PHONE 482-0931

Mr. W. E. Allen
Oil & Gas Conservation Commission
State of Arizona
4515 N. 7th Ave.
Phoenix, Arizona 85013

Dear Mr. Allen,

May we borrow from you the logs on the following wells:

1. Kerr-McGee Corp.	#5 Santa Fe	23-20N-28E	Apache, Wyo.
2. Kerr-McGee Corp.	#10 Santa Fe	23-20N-27E	Apache, Wyo.
3. Kerr-McGee Corp.	#11 Santa Fe	24-19N-27E	Apache, Wyo.
4. Kerr-McGee Corp.	#12 Santa Fe	22-20N-27E	Apache, Wyo.
5. Gesthermal Kinetics	#1 Power Ranches	1-2S-6E	Maricopa, Ariz.
6. Brown & Thorpe	#1 Bullard-Wash	3-10N-10W	Yavapai, Ariz.
7. Arkla Expl. Co.	#10 N.M.A.	27-16N-23E	Navajo, Ariz.

They will be returned promptly upon completion of our re-production process.

Thank you for your cooperation

Very truly yours,

Rocky Mountain Well Log Service Co.

Ted Strickland
By: Ted Strickland

359

RECEIVED

OCT 26 1973

PHOENIX, ARIZ.



OFFICE OF
Oil and Gas Conservation Commission
STATE OF ARIZONA
ROOM 202
1624 WEST ADAMS
Phoenix, Arizona 85007
PHONE: 271-5161

September 24, 1969

Mr. Charles C. Campbell
Executive Vice President
Rebsamen and East
Tower Building
Little Rock, Arkansas 72201

Re: U. S. Fidelity & Guaranty Company
Bond No. 12176-13-601-65

Dear Mr. Campbell:

Records of this office indicate that on 9-24-69 Arkla Exploration Company fulfilled their obligations to the Commission as to the requirements pertaining to the wells covered by the captioned bond. We authorize termination of this bond effective this date.

Yours truly,

John Bannister
Executive Secretary

jf

cc: Arkla Exploration Company

359

This does not release Arkla from the obligation to furnish the additional mineral information and substantiating logs.

Operator Arkla Exploration Company

Bond Company U.S. Fidelity & Guaranty Co. Amount \$10,000^{25,000}

Bond No. 12176-13-601-65 Date Approved 8-30-65

Permits covered by this bond:

323

324

326

327

328

329

331

333, 334, 335, 337, 340,
342, 343

357

358

359

360

361

362

363

364

CANCELLED
DATE 9-24-69

Bond itself
filed in permit
#364



OFFICE OF
Oil and Gas Conservation Commission
STATE OF ARIZONA
ROOM 202
1024 WEST ADAMS
Phoenix, Arizona 85007
PHONE: 271-5161

August 11, 1969

Mr. Warren E. Carr
Chief Geologist
Arkla Exploration Company
P. O. Box 1439
Oklahoma City, Oklahoma 73101

Dear Scooter:

We have received a letter from Rebsamen and East who are the brokers on the Arkla bond. They indicate that your company wishes to have the bond released. We have gone through the files and find that things are in pretty good order; however, we require samples on each of the wells listed on the attached pages. Jim Scurlock indicated that he was under the impression that there were a number of samples in Holbrook that should be delivered to this Commission.

I talked with John today and he reviewed the Arkla situation and informed me that although we would release the bond when the various sample requirements are met, we would still look to Arkla Exploration Company at an indefinite future date for additional mineral information and substantiating logs covering those depths you tested.

I believe that the delivery of this information is a gentleman's agreement between the responsible parties of Arkla and the Executive Secretary of this Commission.

Yours truly,

James A. Lambert
Administrative Assistant
JAL:jf
Enc.

cc: Rebsamen and East, Little Rock, Arkansas

359

Arkla Exploration Company #55 NMA
NE/4 NE/4 Section 3-T15N-R22E
Navajo County
Permit #343

Arkla Exploration #15 NMA
SW/4 NW/4 Section 5-T16N-R23E
Navajo County
Permit #357

Arkla Exploration #25 State
SE/4 NW/4 Section 18-T16N-R23E
Navajo County
Permit #358

Arkla Exploration Company #10 NMA
SW/4 SE/4 Section 27-T16N-R23E
Navajo County
Permit #359

Arkla Exploration #23 NMA
NE/4 NE/4 Section 21-T18N-R23E
Navajo County
Permit #360

Arkla Exploration Company #33 New Mexico
NW/4 SW/4 Section 21-T17N-R22E
Navajo County
Permit #331

Arkla Exploration #7 New Mexico
NW/4 SW/4 Section 24-T17N-R22E
Navajo County
Permit #334

Arkla Exploration Company #6 NMA
SE/4 SW/4 Section 5-T17N-R23E
Navajo County
Permit #337

Arkla Exploration Company #24 NMA
NE/4 SW/4 Section 18-T18N-R23E
Navajo County
Permit #340

Arkla Exploration #16 NMA
NW/4 NW/4 Section 13-T16N-R23E
Navajo County
Permit #342

359



OFFICE OF
Oil and Gas Conservation Commission
STATE OF ARIZONA
ROOM 202
1624 WEST ADAMS
Phoenix, Arizona 85007
PHONE: 271-5161

August 11, 1969

Mr. Charles C. Campbell
Executive Vice President
Rebsamen and East
Tower Building
Little Rock, Arkansas 72201

Re: U. S. Fidelity & Guaranty Company
Bond #12176 13 601 65

Dear Mr. Campbell:

This Commission requests a certain curative matter be furnished on various wells drilled under the U. S. F. & G. bond posted by Arkla Exploration Company. We will advise your office by mail when this Commission is willing to release the captioned bond.

Yours truly,

James A. Lambert
Administrative Assistant

JAL:jf
Enc.

359

*Rebsamen
and
East*

INSURANCE BONDING

CORPORATED

August 6, 1969

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

Re: Arkla Exploration Company, Shreveport, Louisiana
U. S. Fidelity & Guaranty Co. Bond 12176 13 601 65

Gentlemen:

We have been advised by the Arkla Exploration Company that they no longer need the above captioned bond covering blanket drilling for oil or gas in the State of Arizona. In accordance with this, we kindly request your release of surety and termination of the bond to be effective the anniversary date of August 25, 1969.

Your advice will be appreciated. Thank you.

Sincerely,

Charles C. Campbell

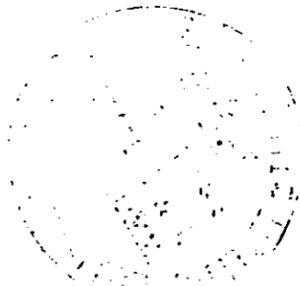
Charles C. Campbell
Executive Vice President

CCC/cac

cc: Arkla Exploration Company



357



July 6, 1967

Dr. Charles Kalil
6 Monterey Medical Plaza
200 East Monterey Way
Phoenix, Arizona

Dear Dr. Kalil:

Receipt of your letter of July 5, 1967 is hereby acknowledged.

Please be advised that your request was relayed to Arkla Exploration Company and they have indicated they will furnish the information you desire. I have heard nothing further since this additional information was requested.

Very truly yours,

John Bannister
Executive Secretary
mr

Kirby by phone
1-4-68

11-18-66 Arkla office
Negligible amt. of
helium

359

CHARLES KALIL, M. D.
MONTEREY MEDICAL PLAZA
200 EAST MONTEREY WAY
SUITE 6
PHOENIX, ARIZONA

5 July, 1967

John Bannister, Executive Secretary
Arizona State Oil & Gas Conservation Commission
1624 W. Adams Street
Phoenix, Arizona

Re: N.N.A. #10 Well

Dear John:

It has been over a month since I dropped you a note concerning the N.N.A. #10 Well, Navajo County. I was wondering if you had received any further information from ARKLA.

Best regards

Yours truly,

Charles Kalil, M.D.
Charles Kalil, M.D.

CK:d

359



CHARLES KALIL, M. D.
MONTEREY MEDICAL PLAZA
200 EAST MONTEREY WAY
SUITE 6
PHOENIX, ARIZONA

June 7, 1967.

Mr. John Bannister, Executive Secretary
Arizona State Oil & Gas Conservation Commission
1624 West Adams Street
Phoenix, Arizona.

Re: NMA # 10 Well

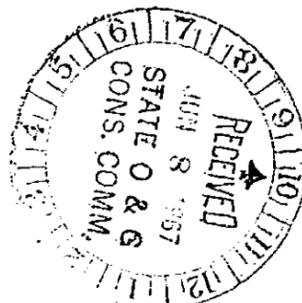
Dear John:

Your attention is directed to our phone conversation of a couple of days ago and the need for more information regarding the above mentioned well. In order to refresh your memory, the NMA # 10 well was drilled by ARKLA Exploration Company in the late summer and early fall of this past year in the SE 1/4 of section # 27, Twp. # 16 No. Rge. # 23 East, in Navajo County. The usual six months confidential period having expired, I obtained copies of the complete file from the commission's records.

In reviewing the file, I find that there is considerable information which should be available, but has not been reported. I should like the following information:

- (1) In one of the reports under remarks there is stated and I quote, "Had blow-1059 ft. - Supai." Yet on another report it reads and I quote, "TD 1007 ft." What is the correct depth of the well and where was the top of the Supai formation and how thick was the Supai formation?
- (2) In Mr. Warren Carr's report of November 9th, 1966, he states in the second paragraph of his letter to you that, "the results of the testing were negligible." What does he mean by negligible? On another page of the official report James Baldry, the Drilling Superintendent, reports and I quote, "Cleaned out the hole and tried to recover sample. Started 10-18-66 and finished 10-22-66. Recovered several samples that were tested at Navajo, Arizona, by Kerr-McGee Lab. Tests showed negligible amounts of helium in the samples recovered. Well was then plugged." I should like to see a copy of the results of the gas analysis run by the lab of Kerr-McGee and what was the procedure for collecting the gas samples?
- (3) In Mr. Carr's report to you he goes on to state the following, "we feel that this is a very low volume zone that depletes itself within a short time after drilling." Yet further down in his report, and I quote in part, "this well had the most persistent blows, and kicked the diesel column for several days with testing!" What I would like to know specifically is:
 - (a) Did ARKLA Exploration Company put a dead weight gauge on the pipe in the hole and what was the initial pressure?
 - (b) Was the gas pressure blown down and at what specific rate did the pressure recover, and how long did it take to recover the initial pressure?
 - (c) Were any tests run relative to the well's deliverability? If so, what were the specific results?

359



CHARLES KALIL, M. D.
MONTEREY MEDICAL PLAZA
200 EAST MONTEREY WAY
SUITE 6
PHOENIX, ARIZONA

-2-

(4) In Mr. Carr's report he further states that, "and with core control we felt that there was no reservoir." I should like to have a copy of the reports of the core analysis, since he states that they had core control?

As I have informed you, I own oil and gas and helium leases in close proximity to this test and the statutes and Rules and Regulations provide that such information be kept by the Oil & Gas Conservation Commission and made available to those interested parties who request the facts.

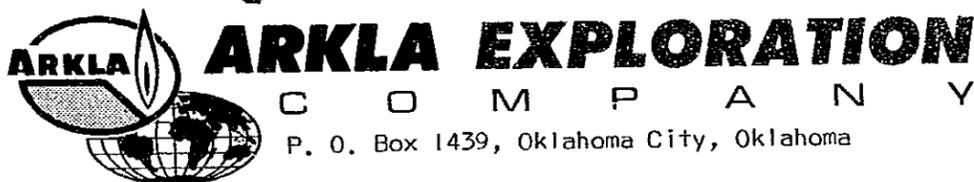
Thanking you in advance and with kindest personal regards,

I remain,

Respectfully yours,

Charles Kalil, M.D.

Charles Kalil, M.D.



November 9, 1966

Mr. John Bannister, Executive Secretary
Oil and Gas Conservation Commission
State of Arizona
Room 202, 1624 West Adams
Phoenix, Arizona

Dear John,

Received your letter regarding our #10 NMA Potash test in the SW SE of 27-16N-23E, Navajo County, Arizona. Mr. Baldry will furnish a report of the testing within a few days.

The results of testing were negligible, but we feel that we had a good test of the gas blow, since the hole was in good condition and did not have any water in the evaporite section at any time. We feel that this is a very low volume zone that depletes itself within a short time after drilling. It is my understanding that air blows have been encountered in mining operations in the Carlsbad area, although I am unable to determine whether there is any helium content in the gas.

The principal reason for testing this is that we had encountered this type of show in a number of the potash tests and with core control we felt that there was no reservoir; however, this well had the most persistent blows and kicked the diesel column for several days with testing. I believe that we are completely able to discount any possibility of significant helium gas production from this type of reservoir.

I hope that at some near date I will be able to visit with you and will be pleased to discuss all phases of this testing with you or Jim.

Best personal regards,

Yours very truly,

ARKLA EXPLORATION COMPANY

Warren E. Carr
Warren E. Carr

WEC:wc

cc: Mr. W. C. Bradford
Mr. R. L. Breedlove
Mr. J. S. Baldry

October 27, 1966

Arkla Exploration Company
P.O. Box 669
Holbrook, Arizona 86025

Attention: Mr. Warren Carr

Re: Arkla Exploration #10 NMA
SW SE 27-16N-23E, Navajo County, Arizona
Permit 359

Gentlemen:

Captioned well had a reported blow at 1059 feet and this well was subsequently tested. Will you please furnish this office with a report of this testing.

This office has received on all the wells drilled by you under the jurisdiction of this Commission the agreed upon reporting, including logs down to the salt formations.

As set forth in a conversation with Mr. Warren Carr on August 13, 1965 and in our letter of August 17, 1966, so that our knowledge of the well will be complete, we are entitled to all other information developed by you, within a reasonable time, dependent upon your needs for an extended confidential period.

Can you at this time give us any indication as to when we may anticipate receiving the additional data on all the wells drilled by you since September 1, 1965?

Your very fine cooperation with this Commission is very much appreciated. Please be assured of our continued intention to be of any assistance to you in any way that we may.

Very truly yours,

John Bannister
Executive Secretary
MB

X

August 29, 1966

Arkla Exploration Company
P.O. Box 699
Holbrook, Arizona

Attention: Mr. Ray B. Jones

Re: Arkla Exploration #10 NMA
SW SE 27-16N-23E, Navajo County
Permit 359

Gentlemen:

Enclosed are approved copy of your Application to Drill
captioned well, Receipt 9457 for the filing fee, and
Permit to Drill.

Very truly yours,

John Bannister
Executive Secretary
mf
enc



ARKLA EXPLORATION
C O M P A N Y

P.O. Box 669 - HOLBROOK, ARIZONA
AUGUST 23, 1966

OIL & GAS CONSERVATION COMMISSION
STATE OF ARIZONA
1624 WEST ADAMS
PHOENIX, ARIZONA

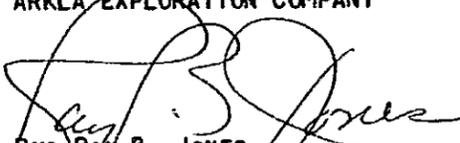
RE: APPLICATION TO DRILL
NMA # 10

GENTLEMEN:

ENCLOSED HERewith IS OUR APPLICATION TO DRILL THE CAPTIONED WELL IN THE SW¹/₄SE¹/₄ OF SECTION 27, T-16-N, R-23-E, NAVAJO COUNTY, ARIZONA. I UNDERSTAND THAT WE HAVE VERBAL APPROVAL TO COMMENCE IMMEDIATELY.

OUR CHECK IN THE AMOUNT OF \$25.00 TO COVER THE REQUIRED FEE IS ENCLOSED.

VERY TRULY YOURS
ARKLA EXPLORATION COMPANY


BY: RAY B. JONES
MINERAL DIVISION LANDMAN

RBJ:SD

ENCLOSURE 1

350