

CONFIDENTIAL

P-W

ARKLA EXPLORATION CO #1 STATE  
SW NE 32-16N-24E Apache County

COUNTY Apache AREA 25 mi SE Holbrook LEASE NO. State Permit PT 4926-S

WELL NAME ARKLA EXPLORATION COMPANY #1 State *(Mineral Street Test)*

LOCATION SW NE SEC 32 TWP 16N RANGE 24E FOOTAGE 2961' FSL 3190' FWL  
 ELEV 5443. GR 5450 KB SPUD DATE 9-19-65 STATUS \_\_\_\_\_ TOTAL \_\_\_\_\_  
 COMP. DATE 9-25-65 DEPTH 1450'

CONTRACTOR From Arkla records - inc

CASING SIZE	DEPTH	CEMENT	LINER SIZE & DEPTH	DRILLED BY ROTARY
<u>9 5/8</u>	<u>72'</u>		<u>NA</u>	<input checked="" type="checkbox"/>
<u>7</u>	<u>1030'</u>			<input type="checkbox"/>
				DRILLED BY CABLE TOOL _____
				PRODUCTIVE RESERVOIR _____
				INITIAL PRODUCTION <u>P&amp;A</u>

FORMATION TOPS	DEPTHS	SOURCE		REMARKS
		L.L.	E.L.	
<u>T/Trm</u>	<u>347'</u>		<u>x</u>	
<u>Coconino</u>	<u>542'</u>			
<u>T/PSU</u>	<u>1042'</u>			
<u>T/Salt</u>	<u>1077'</u>			

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS	SAMPLE LOG <u>Az Bus. Mines</u>
<u>GRN/Nuclear, Radioactivity</u>			SAMPLE DESCRP. <u>Farm Cut</u>
<u>Core Test</u>			SAMPLE NO. <u>P-1350 T-2036</u>
			CORE ANALYSIS _____
			DSTs _____

REMARKS Mineral Strat Test APP. TO PLUG   
 PLUGGING REP.   
 COMP. REPORT

WATER WELL ACCEPTED BY \_\_\_\_\_

BOND CO. U. S. Fidelity & Guaranty Co. BOND NO. 12176-13-601-65  
 BOND AMT. \$ 25,000 CANCELLED 9-24-69 DATE \_\_\_\_\_ ORGANIZATION REPORT 8-24-65  
 FILING RECEIPT 9422 LOC. PLAT  WELL BOOK  PLAT BOOK   
 AFI NO. 02-001-05349 DATE ISSUED 9-14-65 DEDICATION \_\_\_\_\_

PERMIT NUMBER 324

(over)

*99-58-8*  
**CONFIDENTIAL**



## 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: P.O. Box 669, HOLBROOK, ARIZONA

Federal, State or Indian Lease Number or name of lessor if fee lease: 1  
Well Number: 1  
Field & Reservoir: STRAT TEST

STATE: \_\_\_\_\_ County: APACHE  
Location: 2961 FSL 3190 FWL

Sec. TWP-Range or Block & Survey: 32-16N-24E

Date spudded: 9-19-65  
Date total depth reached: 9-23-65  
Date completed, ready to produce: \_\_\_\_\_  
Elevation (DF, RKB, RT or Gr.) feet: 5450 KB  
Elevation of casing hd. flange feet: \_\_\_\_\_

Total depth: 1450'  
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: \_\_\_\_\_  
Rotary tools used (interval): ROTARY  
Cable tools used (interval): \_\_\_\_\_

Was this well directionally drilled? NONE  
Was directional survey made? \_\_\_\_\_  
Was copy of directional survey filed? \_\_\_\_\_  
Date filed: \_\_\_\_\_

Type of electrical or other logs run (check logs filed with the commission): \_\_\_\_\_  
Date filed: 9-23-65

McCULLOUGH GRN

### 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
SURFACE	13 3/4"	9 5/8"	32.75	74	60	NONE
PROTECTIVE	8 3/4"	7"	20#	1030	125	NONE

### TUBING RECORD

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

### LINER RECORD

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

### PERFORATION 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 DISTRICT GEOLOGIST 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.

Date: 12-15-65

Signature: Warren E. Carr

Permit No. 324

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**

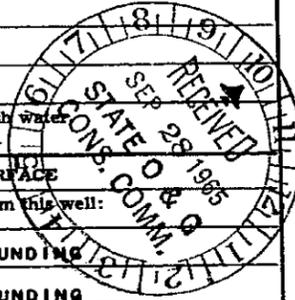
Formation	Top	Bottom	Description*
SPUD IN:	CHINLE		
T/TRM	347	542	SH-VERI COLORED
COCONINO	542	1042	SD-WH, MG, CLEAR, ROUND-SUB ROUND
T/PSU	1042	1077	ANHY-GYP-SH-RED.
T/SALT	1077	TD IN SALT	

\* 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 <b>ARKLA EXPLORATION COMPANY</b>			Address <b>P.O. Box 669, HOLBROOK, ARIZONA</b>		
Federal, State, or Indian Lease Number, or lessor's name if fee lease. <b>STATE PERMIT #4926</b>		Well No. <b>1</b>	Field & Reservoir <b>WILDCAT</b>		
Location of Well <b>2961' FSL, 3190' FWL</b>		Sec-Twp-Rge or Block & Survey <b>SEC 32-16N-24E G&amp;SRM</b>		County <b>APACHE</b>	
Application to drill this well was filed in name of <b>ARKLA EXPLORATION COMPANY</b>		Has this well ever produced oil or gas <b>NO</b>	Character of well at completion (initial production): Oil (bbls/day)      Gas (MCF/day)      Dry? <b>NONE</b>		
Date plugged: <b>9-25-65</b>		Total depth <b>1450'</b>	Amount well producing when plugged: Oil (bbls/day)      Gas (MCF/day)      Water (bbls/day) <b>NONE</b>		
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	
<b>NONE</b>					
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
<b>9 5/8"</b>	<b>72</b>		<b>72</b>	<b>CEMENT CIRCULATED TO SURFACE AROUND PIPE</b>	
<b>7"</b>	<b>1030</b>		<b>1030</b>	<b>CEMENT CIRCULATED TO SURFACE AROUND PIPE</b>	
Was well filled with mud-laden fluid, according to regulations? <b>WITH CEMENT</b>			Indicate deepest formation containing fresh water <b>COCONINO</b>		
NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE					
Name	Address		Direction from this well:		
<b>ARKLA EXPLORATION COMPANY</b>	<b>P.O. Box 669, HOLBROOK, ARIZONA</b>		<b>SURROUNDING</b>		
<b>NEW MEXICO ARIZONA LAND CO.</b>	<b>ALBUQUERQUE, NEW MEXICO</b>		<b>SURROUNDING</b>		
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 <u>DRILLING SUPERINTENDENT</u> 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 <b>9-27-65</b>		Signature <i>James Baldry</i>			
Permit No. <b>324</b>		STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Plugging Record File One Copy			
		Form No. 16			



APPLICATION TO ABANDON AND PLUG

FIELD WILDCAT

OPERATOR ARKLA EXPLORATION COMPANY ADDRESS P.O. Box 669, HOLBROOK, ARIZONA  
Federal, State, or Indian Lease Number  
or Lessor's Name if Fee Lease STATE PERMIT #4926 WELL NO. 1  
SURVEY G&SRM SECTION 32 COUNTY APACHE  
LOCATION 2961' FSL, 3190' FWL

TYPE OF WELL WILDCAT MINERAL STRAT TEST TOTAL DEPTH 1450'  
(Oil, Gas or Dry Hole)

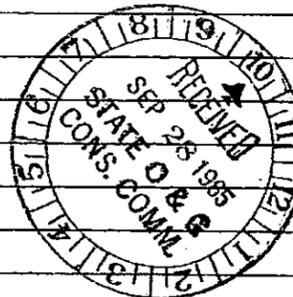
ALLOWABLE (If Assigned)

LAST PRODUCTION TEST OIL \_\_\_\_\_ (Bbls.) WATER \_\_\_\_\_ (Bbls.)  
GAS \_\_\_\_\_ (MCF) DATE OF TEST \_\_\_\_\_

PRODUCING HORIZON \_\_\_\_\_ PRODUCING FROM \_\_\_\_\_ TC \_\_\_\_\_

1. COMPLETE CASING RECORD 9 5/8" - 72' - CIRCULATE CEMENT  
7" - 1030' - CIRCULATE CEMENT

2. FULL DETAILS OF PROPOSED PLAN OF WORK



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

DATE COMMENCING OPERATIONS 9-25-65

NAME OF PERSON DOING WORK JAMES S. BALDRY ADDRESS HOLBROOK, ARIZONA

CORRESPONDENCE SHOULD BE SENT TO JAMES S. BALDRY  
Name

DRILLING SUPT.  
Title

Box 669, HOLBROOK, ARIZONA  
Address

9-25-65  
Date

*OK*

*Verbal approval 9-23-65*

Date Approved 12-14-65  
STATE OF ARIZONA  
OIL & GAS CONSERVATION COMMISSION  
By John J. Lammeter

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

Permit No. 324

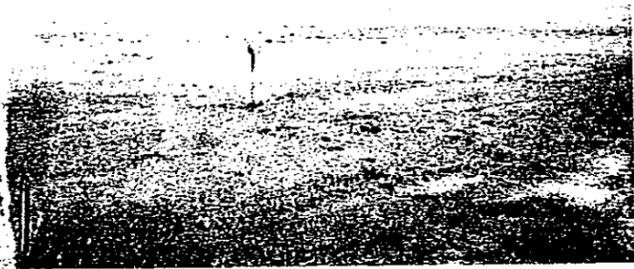
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Release Date 3-25-66

permit # 324

State # 1

JRS 3-15-66



DETAILED CORE DESCRIPTION

WELL NAME: AEC - #1 STATE

LOCATION:

ELEVATION:

1150-51.4 CLEAR CX STRK ANH (?) @ 50.3 SLI PINKISH.

51.4-52.27 GY-CLEAR CX-MX W/THIN INTB ANH. SCAT BRIGHT ORANGE INCLUSIONS,  
BOTTOM .8' GOOD SYLVITE.

52.27-53.4 AS ABOVE & FX REDDISH SCAT INCL ANH.

53.4-54 FX INCR REDDISH RARE ANH INCL SOME MX AND CX SYLVITE.

54-55 INTMIX SALT, SYLVITE, GNISH CLAY. SOME IRREDESCENT RUST COLORED  
HOT.

55-55.5 AS ABOVE BUT MUCH INCREASE IN RUST COLORED.

55.5-56 AS ABOVE SLI LESS RUST.

56-57 INTMIX AS 54-55 RUST RARE-COMMON.

57-57.5 SAME.

57.5-59 CLEAR-TRANSL FX WH-CLOUDY RARE PINKISH OR LT REDDISH.

59-60.16 FX REDDISH W/SCAT CX CLEAR XLS.

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DO NOT REMOVE FROM FILE

WELL NAME: AEC - STATE #1

LOCATION:

ELEVATION:

SPLD SEPT. 16, 1965

0-10' SURFACE SAND.  
10-20' AA, 50% SH-WH-PURP 50%.  
20-30' AA 30%-AA 60%.  
30-40' SAME-PCS ORG CHERT.  
40-50' SURFACE SD DECREASING.  
50-60' SHALE-PURPLE-WH-VERIGATED IN PT.  
60-70' SH-PURPLE-WH-MAROON.  
70-80' AA, VERIGATED IN PT-PC ORG CHERT, TRC GYP.  
80-90' SH-GRY-LT PRUP BUFF.  
90-00' AA.  
100-10' SH-LIGHT PURPLE.  
10-20' SH-BUFF-LIGHT PURP.  
20-30' SH-BEC CONG-MAROON.  
30-40' SAME.  
40-50' SH-BLU GRY-TRC CONG SD.  
50-60' AA, INC IN CONG SD WH.  
60-70' VERI COLORED SHALE-90% RED SLT CONG.  
70-80' SAME & VERIGATED-BEC MORE PURPLE.  
80-90' SH-PURPLE & WH VERIGATED-PCS RED SH.  
90-00' VERICOLORED & VERIGATED SHALE.  
200-10' SAME-90% PURPLE-TRC CHERT ORG.  
10-20' SH-RED SILTY.  
20-30' SAME-VERICOLORED-BEC CONG.  
30-40' SH-RED 50% CONG SD 50% LARGE GRAIN-CLEAR-SUB ANG-SUB RD.  
40-50' CONG SD AS ABOVE.  
50-60' SAME-20%-SD GREEN FN GR ARG-SH RED CONG.

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FILE

- 60-70' CONG SD & GREEN SD AS ABOVE 50-50.
- 70-80' AA AA 30%-SH RED 70% PCS ORG CHERT.
- 80-90' SH-RED SLT CONG.
- 90-00' AA 50%-LRG GRN CONG SD WH-CLEAR 50%.
- 300-10' SH-BRICK RED.
- 10-20' CONG SH & SD, M-C GRAIN.
- 20-30' SAME.
- 30-40' CONG SD AS ABOVE W/PCS COLORED CHERT.
- 40-50' SAME-TRC CHERT.
- 50-60' SH-RED-GREEN 60%-CONG SD AS ABOVE 40%.
- 60-70' AS ABOVE 50-50%.
- 70-80' SH RED-GREEN 30%-SD AS ABOVE 20%.
- 80-90' AA 90%, AA 10%.
- 90-00' AA 80%, AA 20%.
- 400-10' AA 60% AA 40%, TRC GYP.
- 10-20' AA 90%, AA 10% INC GYP.
- 20-30' SH-RED-80%-CONG SD AS ABOVE 20% INC GYP.
- 30-40' AA 90%, AA BEC GREEN FG LARG GYP.
- 40-50' SH-REDDISH BRN, AA GYP INCL.
- 50-60' SH-RED-GREEN.
- 60-70' AA.
- 70-80' AA, INC GYP.
- 80-90' AA, AA PCS GRY LM.
- 90-00' SAME.
- 500-10' AA.
- 10-20' RED SDY SLT.
- 20-30' SD-REDDISH ORG-F-MG-INTSTL CLY.
- 30-40' SAME.
- 40-50' COCONINO SAND.
- 50-60' AA M-C GRAIN.

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THIS IS THE ...

- 60-70' AA TO 900.
- 900-10' SD WH-LIGHT CLR ORG C-LARGE GRAIN-MED INTSTL CLY SH & ARG SD-10%.
- 10-20' SAME, AA 15% PCS WH CLY PARTINGS.
- 20-30' SD-AS ABOVE-90% GRANGE-10% ARG SD.
- 30-40' SD-BLC LIGHTER-10% ARG SD.
- 40-50' SD-LIGHT-DRK ORG CG-20% WH SG-M-CG, 40% ARG SD.
- 50-60' SD-DRK ORG CG, 30% ARG SD, TRC SH-RED.
- 60-70' SD ORANGE-CG-RD-SUB-RD PCS WH TRANSPARENT V LARGE G SG-INTSTL CLY SLT ARG IN PT, SH RED-GRY GRN 10%.
- 70-80' SD-WH-HARD SIL BLKY FG WELL CEMENTED DOLOMITIC IN PT-SH & SLT ST RED 50%.
- 80-85' SAME, DOLO-F XLYN SUCROSE BUFF 10%.
- 85-90' SD ORG ARG-TRC DOLO AS ABOVE TRC GYP?
- 90-95' AA & SLT ST DOLO-ANHYDRUS 10% TRC GYP.
- 95-00' BEC MORE SHY SH W/ANHY INCL, DOLY SDY GRY VF XLYN PEPPERY PCS W/SD 10%, MUD STARTING TO BALL.
- 1000-05' MOSTLY MUD BALLS-SH RED SLT ST RED-ORG DOL GRY GREEN SDY VF XLYN 10%. 324
- 05-10' AA.
- 10-15' SH-SDY-RED.
- 15-20' SH AS ABOVE.
- 20-25' SD-RED-ARG CG, TRC GYP.
- 25-30' DOL-ANHYDRUS-GRY BLK PCS-GYP-MUD FLOCCULATED.
- CIRC INC IN WH SOFT GYP.
- 30-35' SLT ST-RED.
- 35-40' SLT ST RED SDY-W/PCS GREEN SLT-90%-GYP SELENITE 10%.
- 40-45' AA 50%, GYP WH 50%.
- 45-50' SAME INC IN ANNY-SAMPLE BAD.
- CIRC SAMPLE POOR.

50-55' SH & ANHY.  
 55-60' ANHY WH-90%-10% SH RED.  
 60-65' ANHY WH-& GYP.  
 65-70' SH RED 90%-ANHY 10%.  
 70-75' AA 80% AA 20%.  
 75-80' SALT WH CLEAR.  
 80-85' AA DIRTY TRC SH.  
 85-90' AA AA TRC A.HY.  
 90-95' AA 30% SH-RED 70%.  
 95-00' AA 70% AA 30%.  
 1100-05' SH-RED 20%-ANHY WH-80%.  
 05-10' SALT 50% SH-RED 10%-ANHY WH 40%.  
 10-15' SALT 70% ANHY WH-30%.  
 15-20' SALT 70%, TRACE RED SH.  
 20-25' AA, 60%, 40% RED SH.  
 25-30' SALT-90% 10% SH RED  
 30-35' SALT 70% 30%

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WS#1 CORE #1 1135-1162 REC 26.25

1135-37½ SALT 20%, SH 80%; 37½-42 SALT 70% SH RED-30%; 42-44½ SALT 90% WH PK IMP-10% REDDISH BRN; 44½-47½ SALT WH W/SCATT BLUE WH BANDS ORG BLEBS 44% AND 46%; 47½-48 MILKY SALT; 48-50 SALT SAME MILKY ALTERNATING STRINGERS OF WHITEISH MATERIAL-RED BLEBS AND CLEAR BLEBS; 50-51 ORG MILKY SALT W/BLUISH WH BLEBS SPOTTED; 51-54½ KCL TYPE ZONE W/10% GREEN SH INCL; 54½-55 SAME AS 48-50; 55-56 SALT SEM MILKY ORG AND WH; 56-57 DEEP-ORG RED SALT W/GREEN SH INCL BOTTOM 4"; 57 BISQUIT; 57-61.25 SALT 70%-SH 30%.

WS #1 CORE #2

1161.25-64 SH 70%-SALT 30%; 64-69 SALT WH-PK ORG CAST 80%-SH RED-BRN-20%; 69-70 WH-SALT; 70-74 SALT LT ORG W/SCATT ORG BLEBS; 74-77.15 SALT LT ORG W/SCATT BLUE WH STRINGERS; 77.15-77.25 BISQUIT; 77.25-81.5 SALT 60% SHALE RED BRN 40%; 81.5-84 SALT 80% SHALE RED BRN 20%; 84-85 SALT 30%, SH RED BRN 70%; 85-87.4 SALT 80% SH RED BRN 20%.

WS #2 CORE #1

HOLE STRAIGHTENED 1050-70 REC 15.65

1054.34-55 ANHY GRN DNS W/SH RED INCL; 55-67.85 ANHY GRN DNSE

1100.0-1100.7 ANHYDROUS; 60-61.5 SALT STREAKS; 60.5-70.75 SALT  
 MILES; 67.85-70 SH-RED.

NO. 2 CORE #2  
 CORRECT 2' DOWN HOLE TO SHOULD READ 73

114.4-46 SALT WH W/REDDISH BRN CAST (20% BR IMP); 46.2-49.2 SALT WH  
 W/SCATT ORG BLESS AND BLU WH STRINGERS; 49.2-51.5 SH WH BRN IMP  
 (RIGHT) BLESS AND ORG WH STRINGS; 51.5-53.25 SALT WH ORG; 53.25-56  
 100% KOL TYPE 10% GREEN SH FANNING; 56-58.4 SALT WH BRN IMP  
 WH; 58.4-60.5 ANHYDROUS; 60.5-62.5 SH-70% SALT WH-30%; 62.5-63 SALT 80%  
 SH 20%; 63-71 SALT 100% SH-TRG.

V HOLE 1070-1120 REG 27' 2"

72.85-73.6 SH RED; 73.6-76.55 ANHY W/SCATT SH-STRINGS; 76.55-78.55  
 SALT WH W/10% BRN SH IMP; 78.55-82 SALT W/10% REDISH  
 BRN IMP; 82-87.4 ORG AND WH SALT; 87.4-89.6 BISCUIT THIN SALT W/WHY  
 STRINGERS; 89.6-92.7 SALT WH 80%-100% RED; 92.7-94.55 DEEP ORG SALT; 94.55-96.6  
 SALT 70%-SH-RED 30%; 96.6-97 RED ORG; 97-98 SALT 40%-SH-RED 60%;  
 98-99.5 SALT 75%-SH-25%; 99.5-101.5 ANHY GRV ONSE W/SALT INCL; 101.5-  
 102 SALT 40% RED SH 60%.

CORE #2 V HOLE 1100-1170-REG 50' 9"

1100-25 SH-30% SALT WH 70%; 25-30 SALT WH 90%-10% BRN SH IMP; 30-31 SALT  
 30%-SH BRN IMP 70%; 31-33 SALT WH W/ORG CAST 95%-5% IMP; 33-40 SALT  
 30%-SH 70%; 40-44.8 SALT WH-90%-10% SH IMP; 44.8-46.2 ORANGE SALT-REG STRONGER  
 AND ANHY 4%; 46.2-51.4 SEMI SMOKEY SALT; 51.4-53 SMOKEY SALT W/DEEP ORG  
 BLESS (NUMEROUS) AND THIN SCATT ANHY STRINGERS; 53-54 SMOKEY ORG SALT  
 W; WHITE BLESS; 54-57.8 KOL TYPE W/10% GREEN SH; 57.8-59 WH SALT ORG  
 SMOKEY SALT; 59-60 ORG SMOKEY SALT W/WHITE BLESS; 60-62.2 BISCUIT;  
 62.2-67 SALT 70%-SH-30%; 67-70.8 SALT 80%-SH-20%.

1170-80'	80% SALT-20% SH.
80-90'	70% AA, 30% AA.
90-00'	80% AA, 20% AA.
1200-10'	100% AA.
10-20'	30% AA, 20% AA.
20-30'	90% AA, 10% AA.
30-40'	80% AA, 10% AA, 10% ANHY.
40-50'	60% AA, 40% AA.
50-60'	70% AA, 30% AA.
60-70'	80% AA, 20% AA.
70-80'	80% AA, 20% AA.
80-90'	95% AA, 5% AA.

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- 90-00' 80% SALT, 20% SH.
- 1300-10' 70% AA, 30% AA.
- 10-20' 70% AA, 30% AA.
- 20-30' 20% AA, 10% AA, 70% ANHY.
- 30-40' 50% AA, 40% AA, 10% AA.
- 40-50' 70% AA, 20% AA, 10% AA.
- 50-60' 60% AA, 20% AA, 20% AA.
- 60-70' 70% AA, 20% AA SLTY, 10% AA.
- 70-80' 75% AA, 25% AA AA, TRC GREEN SH.
- 80-90' 80% AA, 20% AA.
- 90-00' SALT WH-90%-SH RED-10%-TRC ANHY.
- 1400-10' AA 10% SILTY 90%.
- 10-20' AA 20% AA GREEN-RED 40% ANHY 40%.
- 20-30' 1% BLK CARBON 5% ANHY 10% DOL-BRN VF XYLN DNSE 85%.
- 30-40' GREEN SLTY SD-FG-70% DOL-BRN VF XYLN DNSE 30%.
- 40-50' SALT 60% GREEN SLTY SD-FG- 30% ANHY 10%.

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CIRC 15 MIN

DRILLING COMPLETED EARLY SEPTEMBER 23, 1965.

**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

DATE

ARKLA EXPLORATION COMPANY

9-10-65

Address

City

State

P. O. Box 669

HOLBROOK,

ARIZONA

DESCRIPTION OF WELL AND LEASE

Federal, State or Indian Lease Number or name of lessor, if fee lease

Well number

Elevation (ground)

STATE PROSPECTING PERMIT 4926-S

1

5443.05'

Well location and acreage dedicated to the well (give footage from section lines)

Section—township—range or block & survey

219 2961' FSL, 3190' FWL

32 16N 24E G & SRM

Field & reservoir (if wildcat, so state)

County

WILDCAT - MINERAL STRATIGRAPHIC TEST

APACHE

Distance, in miles, and direction from nearest town or post office

APPROXIMATELY 25 MILES SOUTHEAST OF HOLBROOK

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:

APPROXIMATELY 2100

feet

feet

Proposed depth:

1550'

Rotary or cable tools

ROTARY

Approx. date work will start

9-15-65

Number of acres in lease: PROSPECTING PERMIT:

640.00

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:

Name

Address

NOT APPLICABLE

Status and amount of bond

Organization Report

Filing Fee of \$25.00

STATEWIDE - \$10,000

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)

\*Fill in Proposed Casing Program on reverse side

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the REPRESENTATIVE 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.

*Warren E. Carr*  
Signature

9-10-65  
Date

Permit Number: 32A

Approval Date: 9-14-65

Approved By: John Bannister

Notice: Before signing 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

(Complete Reverse Side)

- Operator shall outline the dedicated acreage for both oil and gas wells on the plat. ~~Close to the outer boundaries of the Section.~~  
~~Close to the outer boundaries of the Section.~~ **THIS IS NOT A TEST FOR OIL AND/OR GAS.**
- 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   
**\*AS TO RIGHTS TO PROSPECT FOR POTASH ONLY**
- 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

**CERTIFICATION**

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

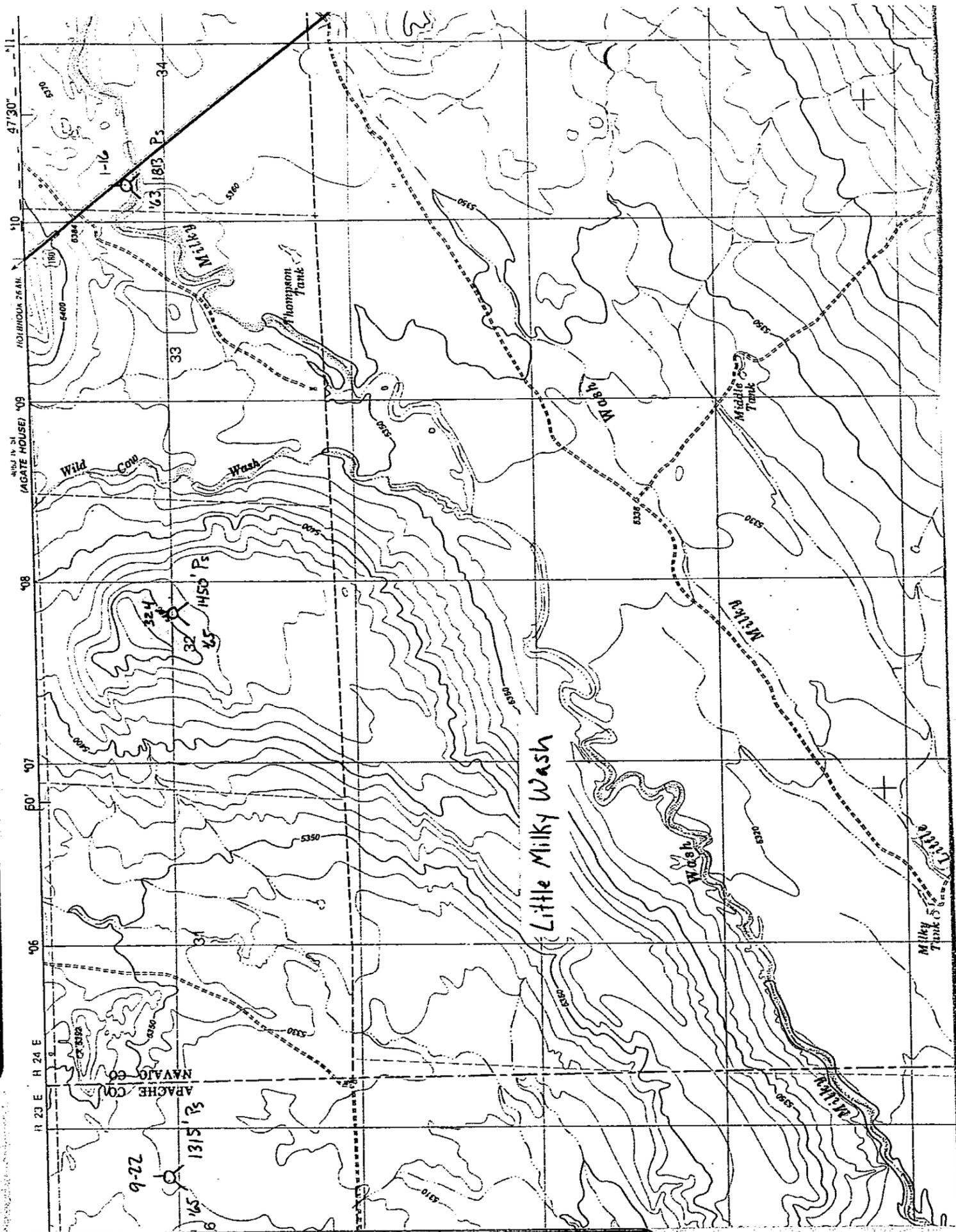
Name	<i>Warren E. Carr</i>
Position	<b>DISTRICT GEOLOGIST</b>
Company	<b>ARKLA EXPLORATION COMPANY</b>
Date	<b>9-10-65</b>

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.

Date Surveyed	<b>9/10/65</b>
Registered Professional Engineer and/or Land Surveyor	<i>Warren E. Carr</i>
Certificate No.	<b>12072</b>

**PROPOSED CASING PROGRAM**

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
9 5/8"	32#	J USED X			30'	10 OR CIRG
7"	20#	J USED			1100'	175





OFFICE OF  
**Oil and Gas Conservation Commission**  
STATE OF ARIZONA  
ROOM 202  
1824 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

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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

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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**CANCELLED**  
DATE 9-27-69

Bond itself  
filed in permit  
#364



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

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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

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

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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

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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.

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*Rebsamen  
and  
East*

**INSURANCE-BONDING**

INCORPORATED

TOWER BUILDING, LITTLE ROCK, ARKANSAS 72201 • FP 2-7141

August 6, 1969

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

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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 G. Campbell*

Charles G. Campbell  
Executive Vice President

CCC/cac

cc: Arkla Exploration Company



October 22, 1968

Mr. Sidney Spofforth  
Middle States Oil Company, Incorporated  
Thirty North Lasalle Street  
Chicago, Illinois 60602

Dear Mr. Spofforth:

A search of our records indicates that we have had no oil or gas exploration in Apache County as to the locations T12N, R26E; T16N, R24E; or as to T23S, R31E in Cochise County.

Greer Well #1, a dry hole, located in the NE/4 NE/4, Sec. 28, T13N, R27E, Apache County, was drilled to a depth of 498' in May, 1949. Three mineral test wells have been drilled in T16N, R24E, Apache County. Arkla Exploration Company drilled a mineral strat test in Sec. 32 in September, 1965. Potash tests were made in sections 19 and 30 of this same township and range. U. S. Borax drilled a mineral test well, the Holbrook #1, in Sec. 34 to a total depth of 1813'. This well was drilled in December, 1963. The top of the Coconino formation was found at a depth of 496'. The ground elevation at the drill site was 5365', more or less.

This information is all that our records reflect concerning the lands that your letter dated October 4, 1968, received here October 11, 1968, listed.

Yours truly,

James A. Lambert  
Administrative Assistant

JAL:jf

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December 15, 1965'

ArkLa Exploration Company  
P.O. Box 669  
Holbrook, Arizona

Attention: Mr. Warren Carr

Re: ArkLa Exploration #6 NMA  
SE NW 5-17N-23E, Navajo County  
Permit 337

ArkLa Exploration Co. #1 State 4926  
SW NE 32-16N-24E, Apache County  
Permit 324

ArkLa Exploration #39 NMA  
SE NE 29-17N-23E, Navajo County  
Permit 333

ArkLa Exploration #36 NMA  
NE NE 19-17N-23E, Navajo County  
Permit 335

Gentlemen:

Enclosed is Permit to Drill and Receipt 9435 for the #6 NMA well. Since only one copy of the Application to Drill was received, we cannot forward you an approved copy.

We are enclosing approved copies of Application to Abandon and Plug the #1 State, #39 NMA and #36 NMA holes. We would remind you that Well Completion Reports should be filed with this Commission within 60 days of completion on these holes.

Very truly yours,

John Bannister  
Executive Secretary

BT  
enc



# ARKLA EXPLORATION

C O M P A N Y

P.O. Box 669, HOLBROOK, ARIZONA

SEPTEMBER 23, 1965

MR. JOHN BANNISTER  
OIL AND GAS CONSERVATION COMMISSION  
STATE OFFICE BUILDING  
PHOENIX, ARIZONA

DEAR MR. BANNISTER:

WE ARE REQUESTING THAT ALL INFORMATION CONCERNING WELLS  
DRILLED BY ARKLA EXPLORATION COMPANY BE KEPT CONFIDENTIAL.

VERY TRULY YOURS,  
ARKLA EXPLORATION COMPANY

*Ray B. Jones*  
RAY B. JONES  
LANDMAN

RBJ/sk

324

*RBJ*





**ARKLA EXPLORATION**  
C O M P A N Y

P.O. Box 669, Holbrook, Arizona

SEPTEMBER 23, 1965

Mr. John SARGENT  
OIL AND GAS CONSERVATION COMMISSION  
STATE OFFICE BUILDING  
PHOENIX, ARIZONA

DEAR Mr. SARGENT:

WE ARE REQUESTING THAT ALL INFORMATION CONCERNING WELLS  
DRILLED BY ARKLA EXPLORATION COMPANY BE KEPT CONFIDENTIAL.

VERY TRULY YOURS,  
ARKLA EXPLORATION COMPANY

Ray B. Jones  
Manager

RBJ/ee

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9/23

September 14, 1965

ArkLa Exploration Company  
P.O. Box 669  
Holbrook, Arizona

Attention: Mr. Warren E. Carr, District Geologist

Re: ArkLa Exploration Co. #1 State 49268  
SW/4NE/4 32-16N-24E, Apache County, Arizona  
Permit 324

Gentlemen:

Enclosed herewith is a xerox copy of your application to drill captioned strat hole, together with receipt 9422 in the amount of \$25.00 covering the necessary filing fee. This permit has been approved as of September 14, 1965. It is requested that in the future when filing applications that two copies be submitted as directed on the application form.

Also enclosed, for your convenience, is a supply of the required report forms to be submitted when this test is completed.

Should you desire that this information be kept confidential, will you please submit a written request.

If we may be of service at any time, please advise.

Yours very truly,

John Bannister  
Executive Secretary  
MF  
enc