

CONFIDENTIAL
Release Date 3-11-77

P-W

ARKLA EXPLORATION #23 NMA 260
NE NE 21-18N-23E Navajo County

COUNTY Navajo AREA 14 mi NE Holbrook LEASE NO. N. Mex Ariz Land Co.

WELL NAME ARKIA EXPLORATION #23 NMA

LOCATION NE NE SEC 21 TWP 18N RANGE 23E FOOTAGE 660' FNL & FEL

ELEV 5303.99 GR 5311' KB SPUD DATE 9-1-66 STATUS P&A TOTAL DEPTH 1919'

COMP. DATE 9-11-66 DEPTH 1087' logs

CONTRACTOR Sojourner Drilling Co.

CASING SIZE	DEPTH	CEMENT	LINER SIZE & DEPTH	DRILLED BY ROTARY	
9 5/8	42'	35 SKS	NA	<input checked="" type="checkbox"/>	
7	861	280 SKS		<input type="checkbox"/>	
				<input type="checkbox"/>	PRODUCTIVE RESERVOIR
				<input type="checkbox"/>	INITIAL PRODUCTION <u>dry</u>

FORMATION TOPS	DEPTHS	SOURCE		REMARKS
		L.L.	E.L.	
Chinle	Surface		X	
Shinarump	190'			
Moenkopi	200'			
Cocconino	343'			
Supai	850'			
Salt	922'			

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS	SAMPLE LOG
Radioactivity/GR			SAMPLE DESCRP. <u>4 Corners</u>
			SAMPLE NO. <u>1500</u>
			CORE ANALYSIS <input checked="" type="checkbox"/>
			DSTs <input type="checkbox"/>

REMARKS Mineral Strat Test
Well appears to actually be NWNWNW 22-18N-23E - sec Carrizo Butte 7.5' quad.

APP. TO PLUG
 PLUGGING REP.
 COMP. REPORT

WATER WELL ACCEPTED BY _____

BOND CO. U. S. Fidelity & Guaranty Company BOND NO. 12176 13 601 605
 BOND AMT. \$ 25,000 CANCELLED 9-24-69 DATE _____ ORGANIZATION REPORT 8-25-65
 FILING RECEIPT 9458 LOC. PLAT WELL BOOK PLAT BOOK
 API NO. 02-017-05132 DATE ISSUED 8-31-66 DEDICATION _____

PERMIT NUMBER 360

(over)

CONFIDENTIAL
 Release Date 3-11-67

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: **P.O. Box 669**
 Federal, State or Indian Lease Number or name of lessor if fee lease: **AEC - NMA** Well Number: **23** Field & Reservoir: **WILDCAT**
 Location: **660' ENL - 660'** County: **NAVAJO**

Sec. TWP-Range or Block & Survey: **SECTION 21-T18N-R23E**
 Date spudded: **SEPT 1-66** Date total depth reached: **SEPT. 11-66** Elevation (DF, RKB, RT or Gr.) feet: **5311** Elevation of casing hd. flange feet: _____
 Total depth: **1919** 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 (a) for this completion: **NONE** Rotary tools used (interval): **X** Cable tools used (interval): _____
 Was this well directionally drilled? _____ 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): **GAMMA RAY NEUTRON** 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
SURFACE	13 3/4"	9 5/8"	32.50	42	35	NONE
INTER.	8 3/4"	7	20	861	280	NONE

LINER RECORD

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

PERFORATION RECORD

Number per ft.	Size & type	Depth Interval	Am't. & 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	Gas prod. during test	Water prod. during test	Oil gravity
			bbls.	MCF	bbls.	° API (Corr)
Tubing pressure	Casing pressure	Cal'ed rate of Pro-duction per 24 hrs.	Oil	Gas	Water	Gas-oil ratio
			bbls.	MCF	bbls.	

 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 _____ 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: **SEPTEMBER 26, 1966**

Signature: *James M. Maddy*

Permit No. **360**

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

DETAIL OF FORMATIONS PENETRA

Formation	Top	Bottom	Description*
GHINLE	SURFACE	190	
SHINARUMP	190	200	
MOENKOPI	200	343	
COCORINO	343	850	
SUPAI	850	922	
SALT	922	T.D. IN SALT SECTION	

* 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:

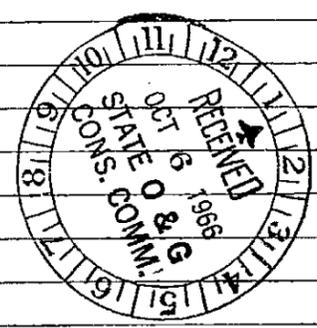
Attach driller's log or other acceptable log of well.
This Well Completion or Recompletion report and well log shall be filed with the State of Arizona Oil & Gas Conservation Commission not later than thirty days after project completion.

APPLICATION TO ABANDON AND PLUG

FIELD WILDCAT
 OPERATOR ARKLA EXPLORATION COMPANY ADDRESS P.O. Box 669 - HOLBROOK, ARIZONA
 Federal, State, or Indian Lease Number _____ WELL NO. 23
 or Lessor's Name if Fee Lease NEW MEXICO-ARIZONA LAND Co.
 SURVEY _____ SECTION 21 COUNTY NAVAJO-ARIZONA
 LOCATION 660 FEL 660 FNL SECTION 21, T18N, R23E NAVAJO, ARIZONA

TYPE OF WELL STRAT TEST TOTAL DEPTH 1918
 (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 9 5/8" SURFACE 42' - CIRCULATED CEMENT
7" CASING - 860' CIRCULATED 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 9-11-66
 NAME OF PERSON DOING WORK J. S. BALDRY ADDRESS HOLBROOK, ARIZONA
 CORRESPONDENCE SHOULD BE SENT TO JAMES S. BALDRY
 Name
DRILLING SUPT.
 Title
Box 669 - HOLBROOK, ARIZONA
 Address
10-4-66
 Date

CONFIDENTIAL

Release Date _____

Date Approved 10-7-66
 STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 By: John Lancaster

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

Permit No. 360

ARKLA EXPLORATION COMPANY

Drilling Record

WELL NAME: N.M.A. # 23

WELL LOCATION: 660 FEI 660 ENI
SECTION 21, T18N, R23E
NAVAJO COUNTY, ARIZONA

WELL ELEVATION: 5303.99 GL

CONTRACTOR: SOJOURNER DRILLING COMPANY

SPUD DATE: 9-2-66 2:30 P.M.

SIZE HOLE DRILLED: 10 1/2 " to 4 1/2 "

TYPE DRILLING FLUID: WATER GEL

SURFACE CASING:
Size 9 5/8 " , Wt. 32.5 # , No. Sacks Cement 35 (A)
Cementing Depth: 42 '

SIZE HOLE DRILLED: 8 1/2 "

TYPE DRILLING FLUID: WATER GEL

INTERMEDIATE CASING:
Size 7 " , Wt. 20 # , No. Sacks Cement 305 (B)
Cementing Depth 860 '

SIZE HOLE DRILLED OR CORED:
6 1/2 " from 860 ' to 1918 '
" from _____ ' to _____ '
" from _____ ' to _____ '
" from _____ ' to _____ '

DRILL STEM TESTS:
NONE

NO. BITS USED: 6

ELECTRIC LOGS RUN:
Type GAMMA-RAY NUETRON from 1087 ' to 0 '
GAMMA-RAY NUETRON from 1918 ' to 860 '

ABANDONMENT PLUGS:
No. Sacks Cement 50 from 2919 ' to 1700 '
50 from 1480 ' to 1270 '
100 1130 700

WAS CASING RECOVERED?
Depth Shot _____ '
No. Feet Recovered 0 '
No. Feet Not Recovered 860 ' 360

DATE DRILLING RIG RELEASED: 9-11-66 3:30 P.M.

COMPANY REPRESENTATIVE: J. S. BALDRY - MAX WOOLERY

SPECIAL NOTES: Unusual drilling problems encountered, etc.
(A) CIRCULATED CEMENT
(B) TEMPERATURE SURVEY CEMENT TOP @ 530' - PERF @ 460 - CIRCULATED CEMENT
w/180 SKS & LEFT PIPE FULL.
(C) DRILLED FROM 860' TO 932' & CORED FROM 932 TO 1087 - DRILLED FROM 1087
TO 1763 - CORED FROM 1763 TO 1918'

WELL NAME: # 23 NMA

LOCATION: SECTION 21, T18N, R23E

ELEVATION: 5303.99 GL

SPUD 3:00 P.M. SEPTEMBER 1, 1966 - 9 5/8 @ 43' w/35 sx

0-10 SURFACE SAND
10-15 AA ABUNDANT BLACK PELLATIDS
15-20 AA 50% SH RED & GREEN & SLT ST RED 50%
20-30 SH & SLT AS ABOVE 90% PCS VERI COLORED SH (PURP-YELLOW LAVENDER)
30-40 NO SAMPLE
40-50 CEMENT-SH & SLTST, RED
50-60 SLT ST & SH RED MAROON ARENACEOUS 90% SH GREEN 10% - TRC SAND
WH ROUNDED CLEAR MG W/GLAUCONITE
60-70 SH RED GREEN - TRC GYP
70-80 SLT ST RED 50% SD GREEN VFG ARGELLECEOUS
80-90 SLT & VERIGATED SH 60% SD GREEN & SH GREEN 40% TRC GYP
90-00 SAME
100-10 CONG SDY SH BROWN W/FLECKS OF GREEN SH & BLK MINERAL FLECKS
MICAEGUS IN PT.
10-20 CONG SDY SH BEC MORE MICAEGOUS W/GREEN CONG SH ETC.
20-30 BEC EIGHTER BRN
30-40 AA
40-50 SILTSTONE AND SH BRN ARENACEOUS
50-60 CONG SD & SH GREEN & BRN MICA BLK MIN PELLETS 50% SH REDDISH
BRN-SOFT
60-70 SH AND MUDSTONE PCS VERIGATED
70-80 SAME W/GREEN SH
80-90 SH RED MAROON ARENACEOUS
90-00 SHINARUMP TYPE SD
200-05 SH BRN SDY 90% SD AS ABOVE
05-08 CIRC (15 MINUTES) AND SAME AS ABOVE
08-10 SLT ST RED PCS GREEN SH PCS GYP
10-20 AA
20-30 SAME INCREASE IN GREEN SH PCS GREEN CONG - PCS ANHY-GYP, SD
W/BLK FLECKS ARG
30-40 AA
40-50 SLT ST & SH PCS GREEN-ABD GYP

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50-60	INC IN RED SHALE GYPY
60-70	AA ABD GYP
70-80	AA - ABD GYP
80-90	BEC SS ARG RED W/BLK MINUTE FLECKS EMBEDDED
90-00	SHALE - BROWN PCS SH-GREEN LMY-GYP BEC PINK
300-10	AA
10-20	SH BRN PCS SS GREEN VFG SHY - TRC GYP
20-30	SD ORNG MED G INTSTL CLY
30-35	AA 20% SH RICH BRN
35-40	SH BRN INTERSPURSED W/PCS GRY DOLO SD & SD WH MED G W/INTSTL CLY
40-45	AA
45-48	COCONINO SD
48-50	AA
50-60	AA-ABT KAOLIN
60-70	AA
70-80	SH BEC UNCONSOLIDATED MORE CG
80-90	AA
90-00	SD CLEANING UP CG (30% KOALIN MATERIAL)
400-70	AA
70-80	AA AND TRC REDDISH BRN SH INCL IN KOALIN
80-90	AA
90-00	AA - BEC SLT PINKISH
500-10	AA
10-20	AA
20-30	AA AND BEC SLTLY MORE CONSOLIDATED
30-40	AA AND APPARENT BEC SH
40-50	AA AA
50-60	AA AND BEC PINK
60-70	AA AND LT ORNG
70-80	AA AND MORE SHY - SD BEC DARKER ORANGE
80-90	AA AND 20% BRN SH
90-00	AA AND 30% BRN SH

600-10	AA
10-20	AA AND 35% BRN SH
20-30	SAND ORNG CG 60% SH BRN 40%
30-40	AA
40-50	SAND 80%-SH 20%
50-60	SAND CLEANING-UP
60-70	AA AA LIGHT ORANGE W/TRC GYP
70-80	AA AA AA AA W/SH BRN 20% TRC GYP
80-90	AA AA AA AA AA 10% AA
90-00	AA AA BEC MORE ORN - ARG IN PART.
700-10	AA
10-20	AA AA BEC MORE ARG - BEC MORE CONSOLIDATED
20-30	AA
30-40	SDY ARG W/30% BRN SH
40-50	AA
50-55	AA
55-60	SD WH-MG SILICEOUS
60-65	SD ORNG M-CG ARG IN PT FAIR CONSOL.
65-70	AA
70-75	AA
75-80	AA
80-85	SD DRK ORNG M-CG ARG - SH BROWN 30% TRC GYP
85-90	AA
90-95	VERICOLORED SH & SD. INC IN SH
95-00	SD ORNG W/INSTL CLY VEG IN PT - SLTST BRN 30%
800-05	AA
05-10	AA AND BEC SHALEY
10-15	AA AND BEC MORE ORNG SH AND SLT RED 40%
15-20	BEC VERY SHY.
20-25	SD WH-ORNG M-CG - SH AND SLTST BRN 30%
25-30	SD LIGHT ORNG & WH MCG " 10%
30-35	INC IN WH SD SIL CLEAR TRC GYP
35-40	SD ARG RED SH REDDISH BRN & SLTY 30%

40-45	BEC MORE SH TRC BUFF VFXLYN LM
45-50	AA
50-55	AA AA AA PCS WH SELENITE & CHALKY WH GYP
55-60	INC LN WH GYP.
60-61	SH ANHY OR GYP
61-65	SH & SLTST RED REDDISH BRN
65-70	AA AA ANHY 30%
70-75	AA AA 80% " 20%
75-80	AA AA 70% " 30%
80-85	AA AA 20% " 80%
85-90	AA AA 10% " 90%
90-95	AA AA 30% " 70%
95-00	SH & SLT 90% " 10%
900-05	AA AA 100%
05-10	AA AA 70% " 30%
10-15	AA AA 30% " 70%
15-20	AA AA 90% " 10%
20-25	AA AA 100% TRC SALT
25-29	SALT CORE # 1

929-932- CORE # 1	CORE REC 52'
932-940-11"	SALT WH-PK W/10% IMPURITIES
940-11"-941-1"	ANHY GRY HARD DENSE
941-1"-950	SLTST HARD RED 90% - 10% SALT
950-958-10.5"	SALT WH 95% IMP 5%
958-10.5"-960-3"	SH RED 90% W/10% SALT INCL.
960.3"-969	WH-PK SALT - SCATTERED LIGHT IMPURITIES
969-970-3.5"	ANHY GRY W/SALT INCL - (RESEMBLES PUERCO)
970-3.5"-971-3"	SH RED
971-3"-984	SALT WH-10% IMPURITIES W/SCATTERED JAGGED ANHY INCL.
984-1036-CORE # 2	REC 52 FEET
984-988	WH SALT XLYN
988-997	SHALE AND SALT INTERMIXED - SALT 20%-SH-80%
997-1004½	SALT PINK - WH XLYN 10% SH IMPURITIES
1004½-1011	SHALE RED W/INTERMITTANT GREEN FLECKS - SALT INCL IN FRACS.

1011-1015 SALT WH XYLN
 1015-1020 SALT AND SHALE INTERMIXED SALT 80% SH 20%
 1020-1021½ SLT ST RED-HARD
 1021½-27 SH AND SALT INTERMIXED SALT 80% SH 20%
 1027-33½ PINK AND WH SALT
 1033½-34 ANHYDRITIC SH
 1034-36 SALT WH W/RED SH IMPURITIES 10%

CORE # 3 1036-1087

1036-41 SALT 80-20% SH IMP
 1041-51 SHALE 70% SALT 30%
 1051-62 SHALE 20% SALT 80% W/THIN SCATTERED ANHY STRINGER
 1062-63 SHALE 80% SALT 20%
 1063-79 SALT 85% - 15% RED SH IMP SCATTERED ANHY STRINGER
 1079-80 SALT & ANHY DNSE
 1080-83 SALT 80% SH 20%
 1083-87 PINK SALT

CONVERTED TO SALT @ 1087 (REPLACED DIESEL)

1087-90 SALT & SH
 1090-1100 SALT WH 90% - 10% SH IMP
 1100-10 SALT WH 40% SLTST RED & BRN 50% ANHY 10%
 10-20 AA 20% " 60% " 20%
 20-30 AA 10% " 70% " 20%
 30-40 AA 10% " 60% " 30%
 40-50 AA 10% " 30% " 50% TRC BLK CARBON SH DOL-LMY
 VFXL N DNSE BLKY 20%
 50-60 D OLO DRK BRN - BLK VFXL N DNSE HARD PCS BLK CARBONACEOUS SH INTERSPERSED.
 60-70 SD GREEN FG SILTY
 70-80 SLTST RED 70% - ANHY 30%
 80-90 AA 40% " 30% - SALT WH 30%
 90-00 AA
 1200-10 SLT ST SH RED 90% ANHY 10%
 10-20 AA 70% TRC SALT 30%
 20-30 AA 20% " 80%
 30-40 AA

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40-50	SALT WH 100%
50-60	SLTST RED 80% SALT 20% TRC ANHY
60-70	AA 90% " 10%
70-80	AA 30% " 70% PCS ANHY
80-90	AA 10% " 20% ANHY 70%
90-00	AA 40% " 30% " 30%
1300-10	SLT ST 60% - SALT WH 40%
10-20	AA 20% " 80%
20-30	AA 10% " 80% ANHY 10%
30-40	" 100%
40-50	AA 50% " 50%
50-60	SALT 90% SLTST - SH 10%
60-70	AA TRS ANHY
70-80	ANHY GRY DNSE HARD
80-90	AA 40% SD ST SLTY 60%
90-00	AA
1400-10	SALT 90% SLT ST RED 10%
10-20	AA 10% " 60% ANHY 30%
20-30	AA 80% " 20%
30-40	AA 20% " 80%
40-50	ANHY GRY DNSE W/SALT INCL
50-60	ANHY GRY BKU GRY 90% SLT ST RED 10%
60-70	AA 70% " ORNG SDY
70-80	SLT ORNG BRN VFG 50% ANHY AS ABOVE 50%
80-90	SH & SLTST RED ORNG-BRN
90-00	ANHY BLUE-GREEN SLTST SDY ORNG AS ABOVE
1500-05	SD ORNG SILTY - PCS DOLO BLK EARTHY VERY DENSE - MUD APPEARS TO BE BALLING UP.
05-10	AA
10-15	SLT ST BRN
15-20	SLT ST REDDISH BRN
20-30	AA 60% SALT 40%
30-40	AA 80 " 20%
40-50	AA 50% " 50%
50-60	AA 40% " 60%
60-70	AA 30% " 70%
70-80	AA 20% " 80%

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80-90	ANHY BLUE GRY DNSE
90-00	AA
1600-10	AA 80% - SD ORNG SLTY AND SLTST 20%
10-20	AA WH GRY W/SALT CAVATIES SLTST BRN 50% TRC SALT
20-30	AA AA 30% AA 60% SALT 10%
30-40	SILT ST BROWN 80% - SALT 20%
40-50	AA & SH GREEN LMY 80% - ANHY 10% SALT 10%
50-60	AA ANHY SOLUTIONED OUT IN PT.
60-70	ANHY 30%-AS ABOVE SLT REDDISH BRN SDY 60% SALT 10%
70-80	TRC BLK CARBONACEOUS SH - SLTST SDY BRN 80%
80-85	AA
85-90	SH AND SALT
90-00	SALT 50% - SLTST 50%
1700-10	AA
10-20	AA
20-30	AA
30-40	SH RED-SALT
40-50	DOLO GRY BUFF EARTHY - SCATT PCS BLK CARB SH
50-60	AA
60-63	63-67 - CORE 1767-1819

Jan 1626

Fig "A" 1762

REC 52'
 9' DOLOMITIC SILT-STONE GRY EARTHY W/SCATTERED
 CARBONACEOUS SHALE STRINGERS. 43' SH RED SOFT.

CORE 1819-1859 - REC 15' SH - RED
 CORE 1859-1890 REC 25' SH RED
 CORE 1890-1919 - RED RED SH

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.

74
Jo Ratcliff
Jo Ratcliff
Four Corners Sample Cut



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 29, 1966**

P.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 NEW MEXICO-ARIZONA LAND COMPANY	Well number 23	Elevation (ground) 5303.99
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Well location and acreage dedicated to the well (give footage from section lines) 660-FNL x 660 FEL (NEW NEW)	Section—township—range or block & survey 21, T18N, R23E G & SRM
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Field & reservoir (If wildcat, so state) WILDCAT - MINERAL STRATIGRAPHIC TEST	County NAVAJO
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Distance, in miles, and direction from nearest town or post office
14 MILES NORTHEAST OF HOLBROOK

Nearest distance from proposed location to property or lease line: 660 feet	Distance from proposed location to nearest drilling, completed or applied—for well on the same lease: feet
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Proposed depth: 2200'	Rotary or cable tools ROTARY	Approx. date work will start AUGUST 30, 1966
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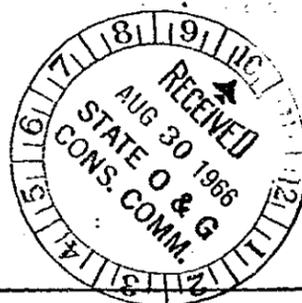
Number of acres in lease: N/A	Number of wells on lease, including this well, completed in or drilling to this reservoir: N/A
---	--

If lease, purchased with one or more wells drilled, from whom purchased: N/A	Name	Address
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Status and amount of bond \$25,000.00 STATEWIDE	Organization Report On file Or attached ON FILE	Filing Fee of \$25.00 Attached <input checked="" type="checkbox"/>
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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



*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.

Signature

Date **AUGUST 29, 1966**

Permit Number: **360**
Approval Date: **8-31-66**
Approved By: **John Bannister**
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

1. Operator shall outline the dedicated acreage for both oil and gas wells on the plat.
2. 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.
3. All distances shown on the plat must be from the outer boundaries of the Section.
4. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES NO
5. 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 _____
6. 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 style="text-align: center;"><i>Ray B. Jones</i></p> <p>Name RAY B. JONES</p> <p>Position MINERAL DIVISION LANDMAN</p> <p>Company ARKLA EXPLORATION COMPANY</p> <p>Date AUGUST 29, 1966</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>
Certificate No. _____	

PROPOSED CASING PROGRAM

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
9 5/8"	32 LB.	J/USED	SURFACE	40		25
7"	20 LB.	J/USED	850'			125



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 #23 NMA
(WELL NAME)

located 660 feet from north and from east lines (NE/4NE/4)

Section 21 Township 18N 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 31st day of August, 19 66.

OIL AND GAS CONSERVATION COMMISSION

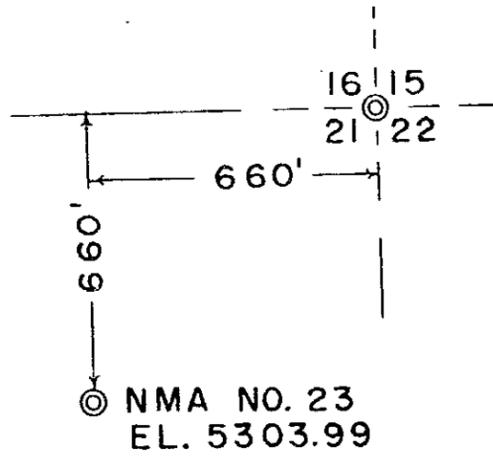
By John Bannister
EXECUTIVE SECRETARY

PERMIT N^o 360

RECEIPT NO. 9458

State of Arizona
Oil & Gas Conservation Commission
Permit to Drill

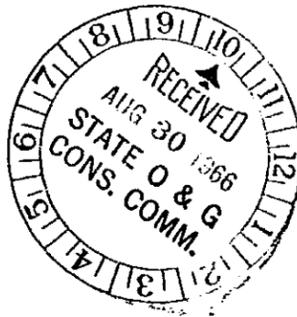
FORM NO. 27

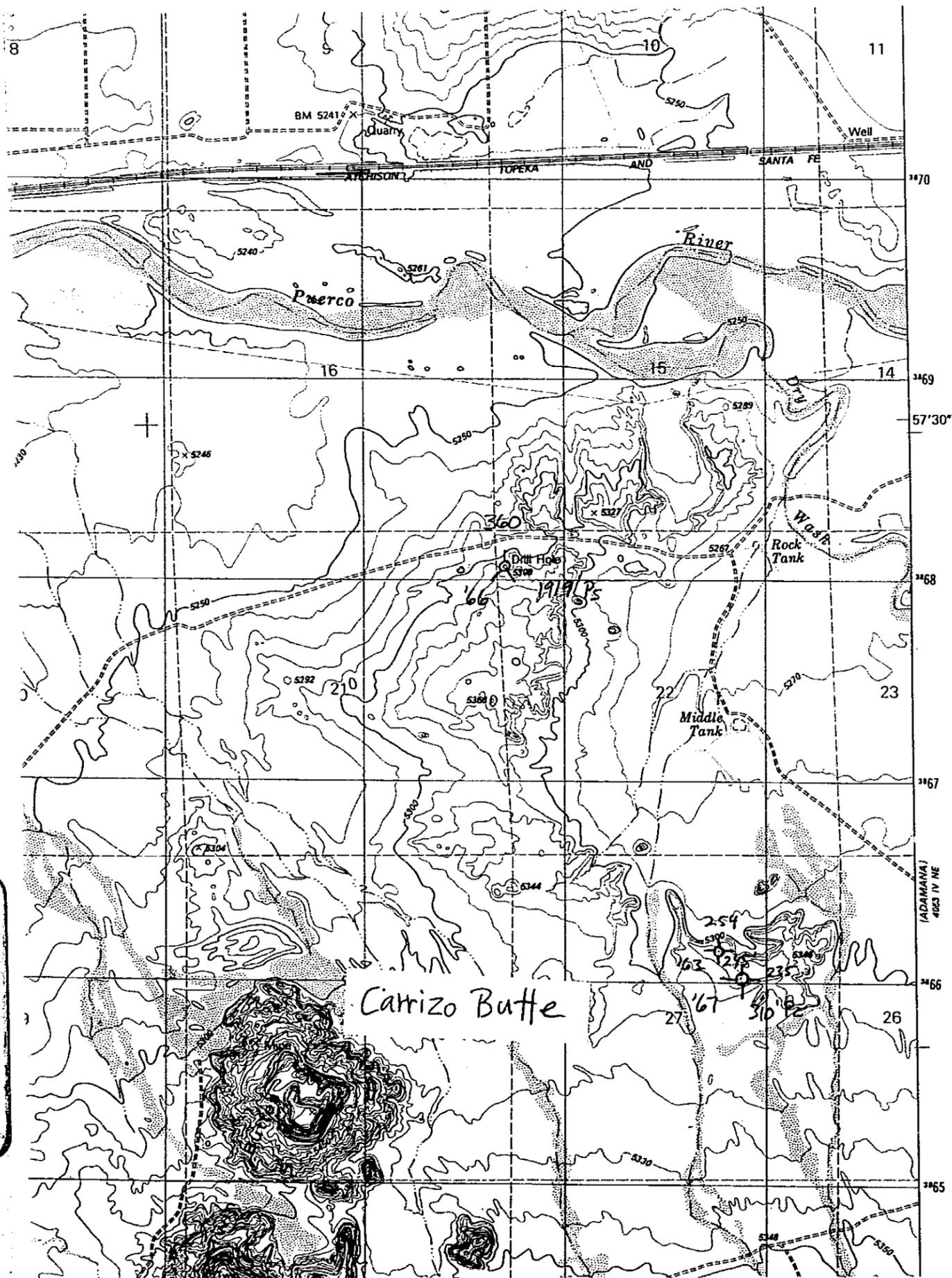


ARKLA EXPLORATION COMPANY
 HOLBROOK AREA PROJECT
 NMA NO. 23 DRILL-SITE

SEC. 21, T. 18N., 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

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

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

360

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 2-24-69

Bond itself
filed in permit
#364

OFFICE OF
Oil and Gas Conservation Commission
STATE OF ARIZONA
ROOM 262
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

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

360

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

360



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.

360

*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.

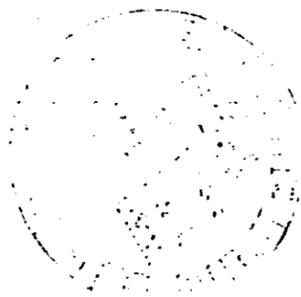
Sincerely,

Charles C. Campbell

Charles C. Campbell
Executive Vice President

CCC/cac

cc: Arkla Exploration Company



August 31, 1966

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

Attention: Mr. Ray B. Jones

Re: Arkla Exploration #23 NMA
NE NE 21-18N-23E, Navajo County
Permit 360

Arkla Exploration #25 State
SE NW 18-16N-23E, Navajo County
Permit 358

Arkla Exploration #15 NMA
SW NW 5-16N-23E, Navajo County
Permit 357

Gentlemen:

Enclosed are approved copy of Application to Drill, Receipt 9458 for the filing fee, and Permit to Drill captioned #23 NMA well.

Inasmuch as the #25 State well has been accepted as a water well, we now need only the Well Completion Report.

On the #15 NMA, we do have the Completion Report, but we do need the Application to Plug and Plugging Record.

Very truly yours,

John Bannister
Executive Secretary
BR
enc



ARKLA EXPLORATION

C O M P A N Y

P.O. Box 669 - HOLBROOK, ARIZONA
AUGUST 29, 1966

OIL & GAS CONSERVATION COMMISSION
STATE OF ARIZONA
ROOM 202
1624 WEST ADAMS
PHOENIX, ARIZONA

ATTN: MR. JOHN BANNISTER

RE: APPLICATION TO DRILL

GENTLEMEN:

ENCLOSED HERewith IS OUR APPLICATION TO DRILL OUR NMA No. 23 IN SECTION 21, T-18-N, R-23-E, NAVAJO COUNTY, ARIZONA. PLATS OF THE LOCATION AND OUR CHECK IN THE AMOUNT OF \$25.00 ARE ATTACHED.

I AM RETURNING HERewith AN EXECUTED COPY OF WELL COMPLETION REPORT FOR OUR NMA No. 15. # 357

YOUR LETTER OF AUGUST 22, 1966 REQUESTED THAT WE FURNISH YOU WITH A CASING PROGRAM FOR OUR No. 25 STATE. IT IS AS FOLLOWS: # 358

SIZE	WT.	GRADE & TYPE	TOP BOTTOM	SACKS
9 5/8"	32 LB.	J/USED	42'	35
7"	20 LB.	J/USED	975'	125

ALSO ENCLOSED IS A WATER WELL ACCEPTANCE EXECUTED BY FRANK DOBELL AND COVERING OUR STATE No. 25 IN SECTION 18, T-16-N, R-23-E. PLEASE ADVISE US IF THIS IS SUFFICIENT TO RELIEVE US FROM FURTHER OBLIGATION WITH RESPECT TO THIS WELL.

VERY TRULY YOURS
ARKLA EXPLORATION COMPANY

Ray B. Jones
RAY B. JONES
LANDMAN



RBJ:sd

360