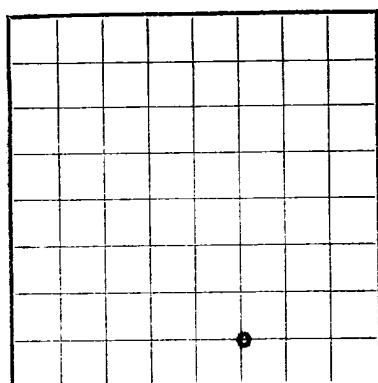


U. S. LAND OFFICE
SERIAL NUMBER 069051
LEASE OR PERMIT TO PROSPECT



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company McAlester Fuel Company Address Box 210 - Magnolia, Arkansas
Lessor or Tract New Mexico Federal Field North Gladiola State New Mexico
Well No. A-1 Sec. 6 T. 12S R. 38E Meridian NMPM County Lea
Location 660 ft. [N.] of S Line and 1980 ft. [W.] of E Line of Sec. 6 Elevation 3888'
(Derrick 500r relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed A. S. Lang

The summary on this page is for the condition of the well at above date.

Commenced drilling 3/4, 19 57 Finished drilling 6/4/57, 19 57

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 11,954 to 12,006 No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from ~~_____~~ ~~_____~~ ~~_____~~ No. 3, from ~~_____~~ ~~_____~~ to ~~_____~~
No. 2, from ~~_____~~ ~~_____~~ ~~_____~~ No. 4, from ~~_____~~ ~~_____~~ to ~~_____~~

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8	319.6	350	Pump & Plug	9.7	Cement Circulated
9 5/8	4505	1975	Pump & Plug	11.1	Cement Circulated
5 1/2	12004	550	Pump & Plug	9.1	Top Cement 9585

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set

Adapters—Material Size

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		Jet Perforated 4 shots	6/8/57	11,974-12,001	DOTD 12,003	
		per ft.				

TOOLS USED

Rotary tools were used from Surface feet to 12,006 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Put to producing June 9, 1957

The production for the first 24 hours was 442 barrels of fluid of which 99% was oil; 0.5% emulsion; 0.5% water; and 0.5% sediment. Gravity, °Bé 47.5

EMPLOYEES

-----	S. L. Rech	-----, Driller	-----	Marion Taylor	-----, Driller
-----	G. B. Crump	-----, Driller	-----		-----, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	95	95	Caliche
95	2,258	2,163	Red sands and shales
2,258	2,323	65	Anhydrite
2,323	2,998	675	Salt and anhydrite
2,998	3,043	45	Anhydrite
3,043	4,422	1,379	Sand, shale and anhydrite
4,422	5,867	1,445	Dolomite and lime
5,867	7,123	1,256	Lime, sand and dolomite
7,123	7,843	720	Dolomite and sand
7,843	9,072	1,229	Dolomite and red and green shale
9,072	10,100	1,028	Lime and shale
10,100	10,930	830	Lime
10,930	11,330	400	Shale and sand
11,330	11,878	548	Lime and chert
11,878	11,954	76	Shale
11,954	12,006	52	Dolomite

The following is a list of the names of the persons who have been
 named in the report of the Committee on the subject of the
 proposed amendment to the Constitution of the United States,

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LETTER NO 110 70 201

LOCATE WELL CORP. - Y

The information given here is complete and correct to the best of our knowledge and belief. It is to be used for the purpose of identifying the individual named in the title of this report.

On the _____ day of _____, 19____, I, _____, of the County of _____, State of _____, do hereby certify that the foregoing is a true and correct copy of the _____ as the same appears from the records of said _____.

In testimony whereof, I have hereunto set my hand and the seal of said _____ at _____, this _____ day of _____, 19____.

Notary Public for said State of _____

Oil or Gas Sands or Tones
(Section 101.10)

E. D. 12,006'. 57' 17" and 30' casing set at 12,004 with 450 sacks cement. 65' and 26 sacks bituminate and 100 sacks 210-set heat cement. 710' down 4:00 PM, 6/5/57. Run temperature survey. Formed topography. 11:57' to 12:00' tested casing with 1,000 psi for 30 min. Test O. K. Perforated 11:57' to 12:00'. Acidized with 1,000 gallons mud acid. Well completed 6/9/57.

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reason for the work and its results. If there were any changes made in the casing, state fully, and in any drawings, a sketch of, or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If pings or bridges were put in to test for water, state kind of material used, position, and results of pumping or drilling.

HISTORY OF OIL OR GAS WELL

[illegible]

Account Name	Account Number	Account Type	Account Status	Account Balance	Account Date	Account Owner	Account Address	Account City	Account State	Account Zip	Account Phone	Account Fax	Account Email	Account Website	Account Notes
Bank of America	123456789	Checking	Active	\$1,234.56	12/31/2023	John Doe	123 Main St	New York	NY	10001	(212) 555-1234	(212) 555-5678	john.doe@bankofamerica.com	www.bankofamerica.com	Bank of America
Chase Bank	987654321	Savings	Active	\$5,678.90	12/31/2023	John Doe	123 Main St	New York	NY	10001	(212) 555-1234	(212) 555-5678	john.doe@chase.com	www.chase.com	Chase Bank
Wells Fargo	567890123	Checking	Active	\$3,456.78	12/31/2023	John Doe	123 Main St	New York	NY	10001	(212) 555-1234	(212) 555-5678	john.doe@wellsfargo.com	www.wellsfargo.com	Wells Fargo
Citigroup	345678901	Savings	Active	\$2,345.67	12/31/2023	John Doe	123 Main St	New York	NY	10001	(212) 555-1234	(212) 555-5678	john.doe@citigroup.com	www.citigroup.com	Citigroup
PNC Bank	234567890	Checking	Active	\$4,567.89	12/31/2023	John Doe	123 Main St	New York	NY	10001	(212) 555-1234	(212) 555-5678	john.doe@pnc.com	www.pnc.com	PNC Bank
TD Bank	012345678	Savings	Active	\$6,789.01	12/31/2023	John Doe	123 Main St	New York	NY	10001	(212) 555-1234	(212) 555-5678	john.doe@tdbank.com	www.tdbank.com	TD Bank
US Bank	890123456	Checking	Active	\$7,890.12	12/31/2023	John Doe	123 Main St	New York	NY	10001	(212) 555-1234	(212) 555-5678	john.doe@usbank.com	www.usbank.com	US Bank
Capital One	789012345	Savings	Active	\$8,901.23	12/31/2023	John Doe	123 Main St	New York	NY	10001	(212) 555-1234	(212) 555-5678	john.doe@capitalone.com	www.capitalone.com	Capital One
Bank of the West	678901234	Checking	Active	\$9,012.34	12/31/2023	John Doe	123 Main St	New York	NY	10001	(212) 555-1234	(212) 555-5678	john.doe@bankofthewest.com	www.bankofthewest.com	Bank of the West
First National Bank	567890123	Savings	Active	\$10,123.45	12/31/2023	John Doe	123 Main St	New York	NY	10001	(212) 555-1234	(212) 555-5678	john.doe@firstnational.com	www.firstnational.com	First National Bank

[illegible]

CHURCH OF GOD

[illegible]

DEB: SUCOT

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1. The way the ... is ...
2. The way the ... is ...

[illegible][illegible]

100-100000-100000	100-100000-100000	100-100000-100000	100-100000-100000
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[illegible][illegible]

9078	TOP SECRET	SECRET	SECRET
7843	TOP SECRET	SECRET	SECRET
7123	TOP SECRET	SECRET	SECRET
5867	TOP SECRET	SECRET	SECRET

2217	Top Secret	000	000	000	000
306	Top Secret	000	000	000	000
0662	Top Secret	000	000	000	000
123	(Common) Top Secret	000	000	000	000

Depth	Formation	Top of the Underlimestone	Top of the (Gallio)
2258			

Topo 14 Electrical Log

FORMATION	TOTAL FEET	10-	10-
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FROM-
TO-
TOTAL
100 PERCENT

FORMATION RECORD-Continued

Cores:

Core #1 11,958'-11,973' Cut 15' Recovered 14.5'

C.T. 42, 47, 13, 14, 16, 13, 11, 11, 17, 22, 20, 24, 25, 33, 46,
barrel jammed on last foot

- 5.0' - Dolomite, white to buff, very finely crystalline, dense, highly fractured, no oil stain odor or taste, scattered particles of gilsonite on fracture faces, few traces of light yellow white fluorescence along fracture planes.
- 3.0' - Dolomite, light gray to buff, highly fractured, scattered pin point solution pores, good light brown oil stain in solution pores, good oil odor and taste, very slightly porous, low to no permeability, good bright golden yellow fluorescence where stained.
- 0.3' - Shale, black, siliceous, very hard.
- 1.5' - Dolomite, buff, highly fractured, few widely scattered pin point solution pores, heavy gilsonitic stain on fracture faces, good light brown oil stain in solution pores, slight oil odor and taste, very slightly porous, no permeability, bright light golden yellow fluorescence around solution pores.
- 1.5' - Shale, black, siliceous, fractured, very hard.
- 2.0' - Dolomite, gray, very finely crystalline, highly fractured, good light brown stain throughout, very slightly porous, low to no permeability, slight oil odor and taste, bright light golden yellow fluorescence along fracture faces.
- 0.5' - Shale, black, hard, slightly siliceous.
- 1.0' - Dolomite, white to buff, finely crystalline, fractured with inclusions of dark gray chert. Good light brown oil stain on fracture faces, very slightly porous, no permeability, slight oil odor and taste, bright golden yellow fluorescence along fracture faces, and spotted dull orange fluorescence in rock matrix, dull fluorescence appears to be mineral fluorescence.

Core #2 11,973'-11,991' Cut 15' Recovered 15'

C.T. 8, 12, 13, 11, 6, 9, 16, 8, 12, 5, 5, 4, 32, 20, 22, 23, 22, 34,
barrel jammed on last foot

- 3.0' - Dolomite, gray to buff, very finely crystalline, few widely scattered pin point solution pores, fractured, with inclusions of gray chert, very slightly porous, low to no permeability, good light brown oil stain in solution pores, good oil odor and taste, good bright yellow-white fluorescence in solution pores.
- 2.0' - Dolomite, buff, very finely crystalline, good vugular porosity, vugs range in size from pin point to 1/2" in diameter, good permeability, good light brown oil stain in solution pores, some gilsonitic stain in larger pores, good oil odor and taste, good bright yellow-white fluorescence where stained.
- 2.0' - Dolomite, white to buff, very finely crystalline, with inclusions of light gray chert, few widely scattered pin point solution pores, fractured, heavy gilsonitic stain on fracture faces, slight oil odor and taste, slightly porous, low to no permeability, good bright yellow-white fluorescence on fracture faces and in solution pores.

Core #2 Cont.

- 2.0' - Dolomite, as above, with slightly better pin point solution porosity, good light yellow-white fluorescence in solution pores and on fracture faces.
- 3.0' - Dolomite, white to buff, very finely crystalline, good honey-comb, vugular porosity, vugs range in size from pin point to 1/2" in diameter, some of larger vugs lined with light gray 1/4" rhombs of dolomite, heavy gilsonitic stain in larger solution pores, good light brown oil stain throughout, good oil odor and taste, good porosity and permeability, good bright yellow-white fluorescence throughout.
- 6.0' - Dolomite, white to buff, very finely crystalline, highly fractured, few widely scattered pin point solution pores, good light brown oil stain in solution pores and on fracture faces, some gilsonitic stain on fracture faces, good oil odor and taste, slightly porous, low permeability, good bright yellow-white fluorescence on fracture faces and in solution pores.

Core #3 11,991'-12,002'

Cut 11'

Recovered 11'

C.T. 23, 33, 41, 29, 30, 40, 23, 18, 36, 34, 54,
Barrel jammed on last foot

- 3.0' - Dolomite, buff, very finely crystalline, fractured, few widely scattered pin point solution pores, good light brown oil stain on fracture faces and in solution pores, slight oil odor and taste, very slightly porous, low to no permeability, good bright yellow-white fluorescence in solution pores and on fracture faces.
- 3.0' - Dolomite, buff to light gray, very finely crystalline highly fractured, good light brown oil stain on fracture faces, trace of gilsonitic stain, slight oil odor and taste, low to no porosity or permeability, good bright golden yellow fluorescence on fracture faces, (core badly crumbled).
- 3.0' - Dolomite, buff, very finely crystalline, highly fractured, stylitic, few widely scattered pin point solution pores, good light brown oil stain on fracture faces and in solution pores, slightly porous and permeable, good oil odor and taste, good bright yellow-white, fluorescence on fracture faces and in solution pores.
- 1.0' - Dolomite as above, very highly fractured, good bright golden-yellow fluorescence where stained (core badly crumbled).
- 1.0' - Dolomite, buff, very finely crystalline, highly fractured, scattered pin point solution pores, good light brown oil stain on fracture faces, heavy gilsonitic stain in solution pores, good oil odor and taste, slightly porous, low permeability, good bright yellow-white fluorescence on fracture faces and in solution pores.

The first part of the report deals with the general situation of the country and the progress of the work.

The second part of the report deals with the results of the work and the progress of the work.

The third part of the report deals with the results of the work and the progress of the work.

The fourth part of the report deals with the results of the work and the progress of the work.

The fifth part of the report deals with the results of the work and the progress of the work.

The sixth part of the report deals with the results of the work and the progress of the work.

The seventh part of the report deals with the results of the work and the progress of the work.

The eighth part of the report deals with the results of the work and the progress of the work.

Drill Stem Tests: DST #1 4965'-5200'

Chokes: 1" bottom, 1/4" top, no water cushion
Tool Open: 1 hour
Shut-In: 1 hour
Weak initial blow increasing to fair blow in 30 minutes
held steady until end of test.

Recovery: 502' fresh drilling water, no show oil or gas

Initial Hydrostatic Head: 2260#
IBHFP 120#
FBHFP 290#
BHSIP (1 hour) 1740#
Final Hydrostatic Head: 2260#

DST #2 9574'-9614'

Chokes: 5/8" bottom, 1" top, no water cushion
Tool Open: 1 hour
Shut-In: 20 minutes
Tool opened with no blow, left tool open for 40 minutes
with no blow, by-passed tool, left open additional
20 minutes with no blow.

Recovery: 90' drilling mud with no show

Initial Hydrostatic Head: 4840#
IBHFP 50#
FBHFP 70#
BHSIP (20 minutes) 2160# still increasing
Final Hydrostatic Head: 4840#
Bottom Hole Temp. 196°

Surveys Made: Schlumberger Electrical Log
Schlumberger Gamma Ray Log
Schlumberger Micrologging

Possible Pay
Behind Casing: San Andres by Microlog 5143'-5152', 5155'-5157', 5166'-5167.5',
5169'-5171', 5189'-5200'
Wolfcamp Line by Microlog 9584'-9593'

1941-1942

1943-1944

1945-1946

1947-1948

1949-1950

1951-1952

1953-1954

1955-1956

1957-1958

1959-1960

1961-1962