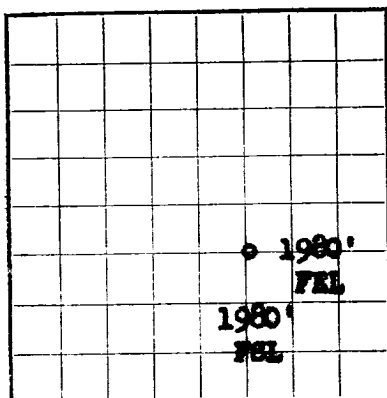


Form 9-330

U. S. LAND OFFICE **Hobbs**
SERIAL NUMBER **069021**
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

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 _____ Field **North Gladiola** State **New Mexico**
Well No. **A-2** Sec. **6** T. **12S** R. **36E** Meridian **NBM** County **Lea**
Location **1980** ft. **N.** of **S** Line and **1980** ft. **E.** of **E** Line of **Section 6** Elevation **3890.7'**
(Derrick floor 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 **[Signature]** Title **Chief Engineer**

Date **9/13/57**

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

Commenced drilling **June 11**, 19**57** Finished drilling **August 26**, 19**57**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **11,980** to **12,005** 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 _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
13 3/8	48	8	8-40	310.09	Guide				Surface
9 5/8	34	8	8-40	1439.40	Guide				11,980
5 1/2	24	8	8-40	11989.87	Flare				12,005

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8	327.69	350	Pump & Plug	9.7	Cement Circulated
9 5/8	4474.0	1975	Pump & Plug	11.0	Cement Circulated
5 1/2	12,004	500	D. V. Tool set at 10,993	9.0	Top Cement 9360'

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

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 **September 3**, 19**57**
The production for the **347** hours was **347** barrels of fluid of which **99.8%** was oil; **0%** emulsion; **0%** water; and **0.2%** sediment.
If gas well, cu. ft. per 24 hours _____ Gravity, **66.6 API** **47.3°**
Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

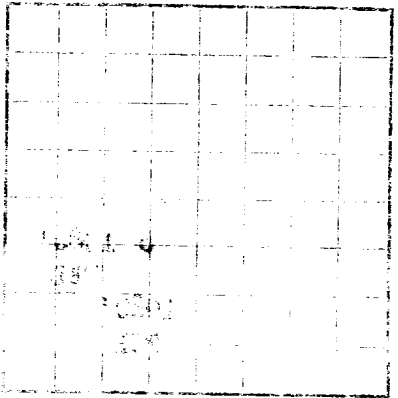
EMPLOYEES

S. L. Bach, Driller
G. B. Crump, Driller
George H. Bach, Driller
Spool Packer

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	2224	2224	Caliche and red beds
2224	2310	86	Anhydrite
2310	2991	681	Salt and anhydrite
2991	3037	46	Anhydrite
3037	4413	1376	Red sand, shale and anhydrite
4413	5857	1444	Dolomite and anhydrite
5857	7122	1265	Sand, dolomite and anhydrite
7122	7818	696	Sand, dolomite and red shale
7818	9065	1247	Red and green shale and dolomite
9065	10,097	1032	Line and gray and red shale
10,097	10,963	866	Line and gray shale
10,963	11,335	372	Gray and black shale and lime
11,335	11,850	515	Lime and chert
11,850	11,892	42	Sand and lime
11,892	11,980	88	Black, gray and brown shale
11,980	12,005	25	Dolomite

FORMATION RECORD—Continued



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Company Alaska Pipeline Address Box 100 - Anchorage, Alaska
Field North Slope State Alaska County Barrow
Well No. 1 Section 1 T. 13S R. 4E S. 12E
Location 1/2 mi. N. of Barrow and 1/2 mi. W. of
The information on this page is for the condition of the well as above stated.
Signed [Signature]
Date 11/11/66

OIL OR GAS SANDS OF FORMER

(Describe by (1))

No. 1 from 11,980 to 11,985
No. 2 from 11,985 to 11,990
No. 3 from 11,990 to 11,995

IMPORTANT WATER SANDS

Drilled out to 12,000 feet. 11,986-12,000
Acidized with 1,000 gallons of acid.

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 reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was sidetracked, 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 plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

16-42004-2 U. S. GOVERNMENT PRINTING OFFICE

FROM	TO	TOTAL FEET	FORMATION
11,980	11,985	5	Top water sandstone
11,985	11,990	5	Top water sandstone
11,990	11,995	5	Top water sandstone
11,995	12,000	5	Top water sandstone
12,000	12,005	5	Top water sandstone
12,005	12,010	5	Top water sandstone
12,010	12,015	5	Top water sandstone
12,015	12,020	5	Top water sandstone
12,020	12,025	5	Top water sandstone
12,025	12,030	5	Top water sandstone
12,030	12,035	5	Top water sandstone
12,035	12,040	5	Top water sandstone
12,040	12,045	5	Top water sandstone
12,045	12,050	5	Top water sandstone
12,050	12,055	5	Top water sandstone
12,055	12,060	5	Top water sandstone
12,060	12,065	5	Top water sandstone
12,065	12,070	5	Top water sandstone
12,070	12,075	5	Top water sandstone
12,075	12,080	5	Top water sandstone
12,080	12,085	5	Top water sandstone
12,085	12,090	5	Top water sandstone
12,090	12,095	5	Top water sandstone
12,095	12,100	5	Top water sandstone
12,100	12,105	5	Top water sandstone
12,105	12,110	5	Top water sandstone
12,110	12,115	5	Top water sandstone
12,115	12,120	5	Top water sandstone
12,120	12,125	5	Top water sandstone
12,125	12,130	5	Top water sandstone
12,130	12,135	5	Top water sandstone
12,135	12,140	5	Top water sandstone
12,140	12,145	5	Top water sandstone
12,145	12,150	5	Top water sandstone
12,150	12,155	5	Top water sandstone
12,155	12,160	5	Top water sandstone
12,160	12,165	5	Top water sandstone
12,165	12,170	5	Top water sandstone
12,170	12,175	5	Top water sandstone
12,175	12,180	5	Top water sandstone
12,180	12,185	5	Top water sandstone
12,185	12,190	5	Top water sandstone
12,190	12,195	5	Top water sandstone
12,195	12,200	5	Top water sandstone
12,200	12,205	5	Top water sandstone
12,205	12,210	5	Top water sandstone
12,210	12,215	5	Top water sandstone
12,215	12,220	5	Top water sandstone
12,220	12,225	5	Top water sandstone
12,225	12,230	5	Top water sandstone
12,230	12,235	5	Top water sandstone
12,235	12,240	5	Top water sandstone
12,240	12,245	5	Top water sandstone
12,245	12,250	5	Top water sandstone
12,250	12,255	5	Top water sandstone
12,255	12,260	5	Top water sandstone
12,260	12,265	5	Top water sandstone
12,265	12,270	5	Top water sandstone
12,270	12,275	5	Top water sandstone
12,275	12,280	5	Top water sandstone
12,280	12,285	5	Top water sandstone
12,285	12,290	5	Top water sandstone
12,290	12,295	5	Top water sandstone
12,295	12,300	5	Top water sandstone
12,300	12,305	5	Top water sandstone
12,305	12,310	5	Top water sandstone
12,310	12,315	5	Top water sandstone
12,315	12,320	5	Top water sandstone
12,320	12,325	5	Top water sandstone
12,325	12,330	5	Top water sandstone
12,330	12,335	5	Top water sandstone
12,335	12,340	5	Top water sandstone
12,340	12,345	5	Top water sandstone
12,345	12,350	5	Top water sandstone
12,350	12,355	5	Top water sandstone
12,355	12,360	5	Top water sandstone
12,360	12,365	5	Top water sandstone
12,365	12,370	5	Top water sandstone
12,370	12,375	5	Top water sandstone
12,375	12,380	5	Top water sandstone
12,380	12,385	5	Top water sandstone
12,385	12,390	5	Top water sandstone
12,390	12,395	5	Top water sandstone
12,395	12,400	5	Top water sandstone
12,400	12,405	5	Top water sandstone
12,405	12,410	5	Top water sandstone
12,410	12,415	5	Top water sandstone
12,415	12,420	5	Top water sandstone
12,420	12,425	5	Top water sandstone
12,425	12,430	5	Top water sandstone
12,430	12,435	5	Top water sandstone
12,435	12,440	5	Top water sandstone
12,440	12,445	5	Top water sandstone
12,445	12,450	5	Top water sandstone
12,450	12,455	5	Top water sandstone
12,455	12,460	5	Top water sandstone
12,460	12,465	5	Top water sandstone
12,465	12,470	5	Top water sandstone
12,470	12,475	5	Top water sandstone
12,475	12,480	5	Top water sandstone
12,480	12,485	5	Top water sandstone
12,485	12,490	5	Top water sandstone
12,490	12,495	5	Top water sandstone
12,495	12,500	5	Top water sandstone
12,500	12,505	5	Top water sandstone
12,505	12,510	5	Top water sandstone
12,510	12,515	5	Top water sandstone
12,515	12,520	5	Top water sandstone
12,520	12,525	5	Top water sandstone
12,525	12,530	5	Top water sandstone
12,530	12,535	5	Top water sandstone
12,535	12,540	5	Top water sandstone
12,540	12,545	5	Top water sandstone
12,545	12,550	5	Top water sandstone
12,550	12,555	5	Top water sandstone
12,555	12,560	5	Top water sandstone
12,560	12,565	5	Top water sandstone
12,565	12,570	5	Top water sandstone
12,570	12,575	5	Top water sandstone
12,575	12,580	5	Top water sandstone
12,580	12,585	5	Top water sandstone
12,585	12,590	5	Top water sandstone
12,590	12,595	5	Top water sandstone
12,595	12,600	5	Top water sandstone
12,600	12,605	5	Top water sandstone
12,605	12,610	5	Top water sandstone
12,610	12,615	5	Top water sandstone
12,615	12,620	5	Top water sandstone
12,620	12,625	5	Top water sandstone
12,625	12,630	5	Top water sandstone
12,630	12,635	5	Top water sandstone
12,635	12,640	5	Top water sandstone
12,640	12,645	5	Top water sandstone
12,645	12,650	5	Top water sandstone
12,650	12,655	5	Top water sandstone
12,655	12,660	5	Top water sandstone
12,660	12,665	5	Top water sandstone
12,665	12,670	5	Top water sandstone
12,670	12,675	5	Top water sandstone
12,675	12,680	5	Top water sandstone
12,680	12,685	5	Top water sandstone
12,685	12,690	5	Top water sandstone
12,690	12,695	5	Top water sandstone
12,695	12,700	5	Top water sandstone
12,700	12,705	5	Top water sandstone
12,705	12,710	5	Top water sandstone
12,710	12,715	5	Top water sandstone
12,715	12,720	5	Top water sandstone
12,720	12,725	5	Top water sandstone
12,725	12,730	5	Top water sandstone
12,730	12,735	5	Top water sandstone
12,735	12,740	5	Top water sandstone
12,740	12,745	5	Top water sandstone
12,745	12,750	5	Top water sandstone
12,750	12,755	5	Top water sandstone
12,755	12,760	5	Top water sandstone
12,760	12,765	5	Top water sandstone
12,765	12,770	5	Top water sandstone
12,770	12,775	5	Top water sandstone
12,775	12,780	5	Top water sandstone
12,780	12,785	5	Top water sandstone
12,785	12,790	5	Top water sandstone
12,790	12,795	5	Top water sandstone
12,795	12,800	5	Top water sandstone
12,800	12,805	5	Top water sandstone
12,805	12,810	5	Top water sandstone
12,810	12,815	5	Top water sandstone
12,815	12,820	5	Top water sandstone
12,820	12,825	5	Top water sandstone
12,825	12,830	5	Top water sandstone
12,830	12,835	5	Top water sandstone
12,835	12,840	5	Top water sandstone
12,840	12,845	5	Top water sandstone
12,845	12,850	5	Top water sandstone
12,850	12,855	5	Top water sandstone
12,855	12,860	5	Top water sandstone
12,860	12,865	5	Top water sandstone
12,865	12,870	5	Top water sandstone
12,870	12,875	5	Top water sandstone
12,875	12,880	5	Top water sandstone
12,880	12,885	5	Top water sandstone
12,885	12,890	5	Top water sandstone
12,890	12,895	5	Top water sandstone
12,895	12,900	5	Top water sandstone
12,900	12,905	5	Top water sandstone
12,905	12,910	5	Top water sandstone
12,910	12,915	5	Top water sandstone
12,915	12,920	5	Top water sandstone
12,920	12,925	5	Top water sandstone
12,925	12,930	5	Top water sandstone
12,930	12,935	5	Top water sandstone
12,935	12,940	5	Top water sandstone
12,940	12,945	5	Top water sandstone
12,945	12,950	5	Top water sandstone
12,950	12,955	5	Top water sandstone
12,955	12,960	5	Top water sandstone
12,960	12,965	5	Top water sandstone
12,965	12,970	5	Top water sandstone
12,970	12,975	5	Top water sandstone
12,975	12,980	5	Top water sandstone
12,980	12,985	5	Top water sandstone
12,985	12,990	5	Top water sandstone
12,990	12,995	5	Top water sandstone
12,995	13,000	5	Top water sandstone