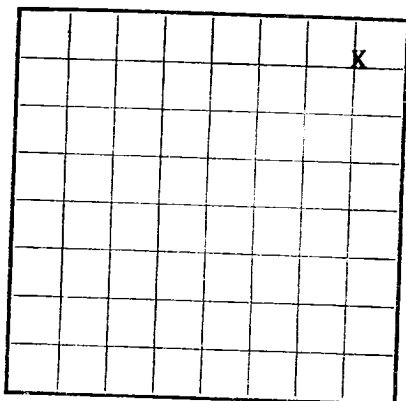


U. S. LAND OFFICE New MexicoSERIAL NUMBER LC 067706-C

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Great Western Drilling Company Address Box 1659, Midland, TexasLessor or Tract King Field Allison-Penn State New MexicoWell No. 1 Sec. 18 T. 9-S R. 37-E Meridian NMPM County LeaLocation 660 ft. S. of N Line and 660 ft. W. of E Line of Sec. 18 Elevation 4036
(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]Date November 30, 1961Title Administrative Coordinator

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

Commenced drilling September 28, 19 61 Finished drilling November 8, 19 61

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

Now, from Produced Water to Produced Water
No. 1, from 9696 to 9702 No. 4, from 9702 to 9702
No. 2, from 9696 to 9702 No. 5, from 9702 to 9702
No. 3, from 9696 to 9702 No. 6, from 9702 to 9702

IMPORTANT WATER SANDS

No. 1, from None Recorded to None Recorded
No. 2, from None Recorded to None Recorded
No. 3, from None Recorded to None Recorded
No. 4, from None Recorded to None Recorded
No. 5, from None Recorded to None Recorded
No. 6, from None Recorded to None Recorded

CASING RECORD

Size casing	Weight per foot	Thread pitch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
10-3/4	32	8	N	255	Tex. Pat.	None			
7-5/8	26	8	N	4269.8	Float	1300			
4-1/2	11	8	N	9759	Float	8300	9696	9702	Test for Oil

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	276	250	Pump & Plug	10.2	300 bbls.
7-5/8	4286	925	Pump & Plug	10.	500 bbls.
4-1/2	9759	200	Pump & Plug	9.5	500 bbls.

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 0 feet to 9775 feet, and from _____ feet to _____ feet

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing _____, 19____

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

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	210	210	Surface sand and caliche.
210	487		Sand and shale. Top of Santa Rosa
487	2190		Shale with sand stringers.
2190	2267		Anhydrite. (2190 Top) (2267 Top of Salt)
2267	2837		Salt - shale. Top of Yates (2837)
2837	4113		Shale-sand-anhydrite. (Top of San Andres 4113).
4113	5540		Dolomite-lime. (5540 top of Glorieta).
5540	7705		Sand-dolomite. Top of Abo 7705
7705	9045		Shale & dolomite. Top of Wolfcamp 9045.
9045	9380		Lime.
9380	9775		Lime with shale stringers.

A 25 sack ping was placed @ 9600'.
A 25 sack ping was placed @ 8300'.
A 25 sack ping was placed @ 7500'.
A 50 sack ping was placed @ 1350'.
A 20 sack ping was placed @ surface.

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of drilling, 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

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

FORMATION	TOTAL FEET	TO-	FROM-
Shale with sand stringers.	9775		9780
lime.	9380		9385
Shale - dolomite. Top of column 100.	9045		9050
Sand-dolomite. Top of Alb 7775	7700		7705
Polymite-lime. (Top of Alb 7775)	8500		8505
Chert-sand-anhydrite. (Top of Alb 7775)	7145		7150
Shale - sand. Top of Alb 7775	6800		6805
Anhydrite. (Top of Alb 7775)	6500		6505
Shale with sand stringers.	6200		6205
Shale and chert. Top of Alb 7775	5800		5805
Sandstone and shale.	5400		5405
Shale and chert. Top of Alb 7775	5000		5005
Sandstone and shale.	4600		4605
Shale and chert. Top of Alb 7775	4200		4205
Sandstone and shale.	3800		3805
Shale and chert. Top of Alb 7775	3400		3405
Sandstone and shale.	3000		3005
Shale and chert. Top of Alb 7775	2600		2605
Sandstone and shale.	2200		2205
Shale and chert. Top of Alb 7775	1800		1805
Sandstone and shale.	1400		1405
Shale and chert. Top of Alb 7775	1000		1005
Sandstone and shale.	600		605
Shale and chert. Top of Alb 7775	200		205
Sandstone and shale.	0		0