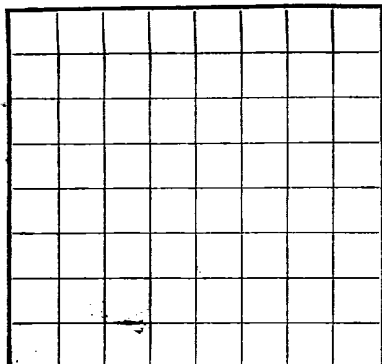


U. S. LAND OFFICE LICARILLA
SERIAL NUMBER CON #33
LEASE OR PERMIT TO PROSPECT _____

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Smith Drilling Corporation Address Farmington, New Mexico
~~Tract~~ or Tract 72 Licarilla Apache Field Bill Cat State New Mexico
Well No. S-2 Sec. 32 T. 28 R. 2 Meridian N.M.P.M. County Rio Arriba
Location 1455 ft. N. of 3500 line and 1480 E. of _____ Line of _____ Elevation 7159.5 gl
(Denote 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 April 30, 1956 Type of well Oil Producing

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

Commenced drilling January 18, 1955 Finished drilling February 3, 1955

OIL OR GAS SANDS OR ZONES

(Denote gas by G)
No. 1, from 3510 to 3570 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—	
<u>8 5/8</u>	<u>24</u>	<u>6</u>	<u>CPAI</u>	<u>97</u>	<u>Texas P</u>				
If the casing is perforated, give the size and location of the perforations. If the casing is not perforated, give the reason for the work and the location. If the casing is not perforated, give the reason for the work and the location. If the casing is not perforated, give the reason for the work and the location.									
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8 5/8</u>	<u>97</u>	<u>75 sacks</u>			

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 _____ feet to 3650 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Added 2/3/56 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
<u>0</u>	<u>107</u>	<u>107</u>	<u>Surface sand & shale</u>
<u>107</u>	<u>1350</u>	<u>1243</u>	<u>Shale & sand</u>
<u>1350</u>	<u>1540</u>	<u>190</u>	<u>Shale</u>
<u>1540</u>	<u>3400</u>	<u>1860</u>	<u>Sand & shale</u>
<u>3400</u>	<u>3510</u>	<u>110</u>	<u>Shale & Coal & st. sand</u>
<u>3510</u>	<u>3570</u>	<u>60</u>	<u>Sand</u>
<u>3570</u>	<u>3650</u>	<u>80</u>	<u>Sandy shale</u>

Top P.C. 3508

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SERIAL NUMBER

U. S. Land Office

A: Approval expires 12-31-60.
Budget Bureau No. 42-R3524.

Completed drilling _____
 Started drilling _____
 Finished drilling _____
 PLNG NO. 2 - USED TO WORK ON WELL IN SURFACE CAVING
 The summary on this page is for the condition of the well at above date.

NO. 1 from

Page No. 2 - 10/1/68 NO. 1 from
(Dewick was by G)

NO. 1 from

No. 3, from _____ to _____
No. 2, from _____ to _____

ot mont, 1967 ot mont, 1967

CASING RECORD

Threads per inche	Size	Amount	Kind of shoe	Cut and pulled from	Perforated
10	10	10	10	10	10
12	12	12	12	12	12
14	14	14	14	14	14
16	16	16	16	16	16
18	18	18	18	18	18
20	20	20	20	20	20
22	22	22	22	22	22
24	24	24	24	24	24
26	26	26	26	26	26
28	28	28	28	28	28
30	30	30	30	30	30
32	32	32	32	32	32
34	34	34	34	34	34
36	36	36	36	36	36
38	38	38	38	38	38
40	40	40	40	40	40
42	42	42	42	42	42
44	44	44	44	44	44
46	46	46	46	46	46
48	48	48	48	48	48
50	50	50	50	50	50
52	52	52	52	52	52
54	54	54	54	54	54
56	56	56	56	56	56
58	58	58	58	58	58
60	60	60	60	60	60
62	62	62	62	62	62
64	64	64	64	64	64
66	66	66	66	66	66
68	68	68	68	68	68
70	70	70	70	70	70
72	72	72	72	72	72
74	74	74	74	74	74
76	76	76	76	76	76
78	78	78	78	78	78
80	80	80	80	80	80
82	82	82	82	82	82
84	84	84	84	84	84
86	86	86	86	86	86
88	88	88	88	88	88
90	90	90	90	90	90
92	92	92	92	92	92
94	94	94	94	94	94
96	96	96	96	96	96
98	98	98	98	98	98
100	100	100	100	100	100

PLUG AND AVOIDANCE

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.

15-43094-2 U. S. GOVERNMENT PRINTING OFFICE

[illegible]

PLUGS AND ADAPTERS

Alarities - Material	Heaving Plug - Material	Length	Depth set
Size			

SHOOTING RECORD

[illegible]

TOOLS USED

Rotary tools were used from	feet to	feet and from	feet to
Apble tools were used from	feet to	feet and from	feet to

DATE

The production for the first 24 hours was 100	Put to producing
---	-------------------------

consolidation; and	the sediment	Gravels, s. s.
--------------------	--------------	----------------

EMPLOYEES

	Driller
.....	Driller

FORMATION RECORD

[illegible]