

Form SG 108

N.

AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO STATE LAND OFFICE

SANTA FE, NEW MEXICO

DEPARTMENT OF THE STATE GEOLOGIST

WELL RECORD

Mail to State Geologist, Santa Fe, New Mexico, not more than ten days after completion of well. Indicate questionable data by following it with (?). Submit in duplicate.

Company Phillips Petroleum Company Address Bartlesville, Oklahoma
 Send correspondence to L. E. Fitzjarrald Address Bartlesville, Oklahoma
C. D. Woolworth Well No. 1 in SW 1/4 of Sec. 23, T. 24, R. 36, N. M. P. M., Jal Oil Field Lea County.
 If State land the oil and gas lease is No. _____ Assignment No. _____
 If patented land the owner is C. D. Woolworth Address Jal, New Mexico
 The lessee is Pure Oil Company Address Ft. Worth, Texas
 If not state or patented land, give status _____
 Drilling commenced June 29 19 34. Drilling was completed August 18, 19 34
 Name of drilling contractor Carl B. King Drilling Company Address Houston, Texas
 Elevation above sea level at top of casing 3542 feet.
 The information given is to be kept confidential until _____ 19 ____.

OIL SANDS OR ZONES

No. 1, from 3529 to 3503 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	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & PULLED FROM	PERFORATED		PURPOSE
							FROM	TO	
<u>12 1/2</u>	<u>50</u>	<u>8</u>	<u>1W</u>	<u>317</u>	<u>TP</u>				
<u>9 5/8</u>	<u>40</u>	<u>8</u>	<u>SS</u>	<u>1415</u>	<u>Floot</u>				
<u>7</u>	<u>24</u>	<u>10</u>	<u>SS</u>	<u>3445</u>	<u>Floot</u>				

MUDDING AND CEMENTING RECORD

SIZE	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
<u>12 1/2</u>	<u>317</u>	<u>300</u>	<u>Halliburton</u>		
<u>9 5/8</u>	<u>1415</u>	<u>300</u>	<u>"</u>		
<u>7</u>	<u>3445</u>	<u>300</u>	<u>"</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 0 feet to 3503 feet, and from _____ feet to _____ feet
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

PRODUCTION

Put to producing August 18 19 34.
 The production of the first 14 hours was 630 Through 1" choke barrels of fluid of which 99.7 % was oil; .5 % emulsion; _____ % water; and .5 % sediment. Gravity, Be. 29.5
 If gas well, cu. ft. per 24 hours 8,000,000 Gallons gasoline per 1,000 cu. ft. of gas _____
 Rock pressure, lbs. per sq. in. 1250#

EMPLOYEES

Ed Johnson Driller J. B. Ward Driller
Bob Smith Driller _____ Driller

FORMATION RECORD ON OTHER SIDE

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Subscribed and sworn to before me this 20 Name L. E. Fitzjarrald
 day of September 19 34 Position Asst. Supt. Production
J. R. Cobb Representing Phillips Petroleum Co.
 Notary Public. Company or Operator.
 My commission expires 9/16/1938

DUPLICATE

SEP 24 1934

APPROVED AS O. K.

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	20	20	Caliche
20	244	224	Sand and shells
244	256	12	Shale
256	275	19	Sand and shells
275	291	16	Shale and shells
291	317	26	Shale - Reamed 12" hds to 19" from 0-317. Set and cemented 18 1/2 surf. csg. @ 317
317	370	53	Shale, Blue
370	450	80	Mud, Red Beek, Red
450	490	40	Shale and shells, Blue
490	500	90	Sand and shale
500	640	60	Mud, Red Bed, Red
640	950	310	Sand and Mud, Red
950	1145	195	Anhydrite & Sand & shale
1145	1285	140	Anhydrite & Gray shale
1285	1406	151	Anhydrite - Acid test @ 500' - 0° Time-11-35 date 7-7-34 acid test 1000' & 1360' 0° 7-8-34
1406	1815	407	Salt - 2° 1800' @ 2:00 PM 7-15-34
1815	1976	165	Salt and anhydrite, Broken -
1976	2480	504	Salt - Time 1 hr. & 2 min. 7-16-34, 2 tests 2550 3°; 7-16-34 2580-257-16-34 2580 3° 7-16-34 @ 5:00 P.M.
2480	2710	230	Salt & anhydrite
2710	2784	74	Anhydrite
2784	2835	51	Lime, Brown
2835	2868	33	Lime, Broken - Acid tst. 2800' 3° 6:00 7-18-34 Twisted off drl. pipe 15 stands down. Fished out pipe. Began drl. at 7:30, 7-18-34. Acid test @ 2916'-3° 3:30 - 7-19-34 Twisted off-10 stands down 3:55 7-19-34
2868	2931	63	Lime
2931	2942	11	Sand & Lime
2942	2954	12	Sand
2954	2970	16	Lime
2970	2990	20	Sand & Lime - Twisted off 28 jts. down 12:55 Fished out & back on bottom 2:20 7-20-34
2990	3000	10	Lime
3000	3068	68	Sand & Lime - No water
3068	3162	94	Lime
3162	3172	10	Sand
3172	3222	50	Lime
3222	3252	30	Lime & Sand Broken
3252	3259	7	Lime - Core
3259	3272	13	Lime
3272	3275	3	Lime & Sand Broken
3275	3281	6	Lime
3281	3293	12	Lime & Sand
3293	3295	2	Sand & Stone
3295	3299	4	Sand, Hard
3299	3318	19	Sand & Lime, Hard, Broken
3318	3329	11	Lime
3329	3336	7	Sand & Lime, med., soft - Oil & Gas showing
3336	3343	7	Lime, Hard
3343	3370	27	Sand & Lime, Broken
3370	3400	30	Sand & Lime
3400	3412	12	Lime, Broken
3412	3420	8	Lime
3420	3438	18	Cored - Tested w/ Hall. Tetr. at 3438' from 3420. Est. 3 1/2 million ft. gas
3438	3464	26	Lime & sand, Broken
3464	3479	15	Cored - Well blew out. Mixed 40 sz. aquagal and cotton seed hulls
3479	3493	14	Lime & Sand
3493	3508	15	Cored
3508	3508	T.D.	ACCEPTED BY S.L.M.

dip: 1

cor: 2

EXIT