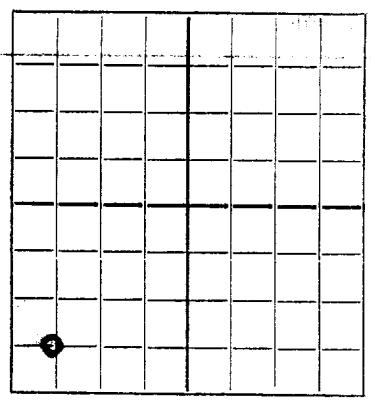
FORM C-105

DUPLICATE



AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). SUBMIT IN TRIPLICATE.

Plains Production Company, Company or Operator — Lillie M. Knight, Lease

Well No. 4 in SW of SW of Sec. 22, T. 24 S

R. 37 E, N. M. P. M., Mattix Jal Field, Lea County.

Well is 4620 feet south of the North line and 4620 feet west of the East line of Sec. 22

If State land the oil and gas lease is No. _____ Assignment No. _____

If patented land the owner is Lillie M. Knight et als., Address Jal, N.M.

If Government land the permittee is _____, Address _____

The Lessee is Plains Production Company, Address Jal, N.M.

Drilling commenced Jan. 16, 1937 19____. Drilling was completed March 19, 1937 19____

Name of drilling contractor Our own tools, Address _____

Elevation above sea level at top of casing 3220 feet.

The information given is to be kept confidential until _____ 19____

OIL SANDS OR ZONES

No. 1, from 3440 to 3445 No. 4, from _____ to _____

No. 2, from 3463 to 3470 No. 5, from _____ to _____

No. 3, from 3485 to 3495 No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from Surface 100-120 to 60 feet of top feet. _____

No. 2, from 500-520 to 100 ditto feet. _____

No. 3, from _____ to _____ feet. _____

No. 4, from _____ to _____ feet. _____

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED FROM	PERFORATED TO	PURPOSE
~~15½"~~	~~70~~	~~8~~	Natnl	150	Texas Pat	Cemented.			
~~8-5/8~~	~~32~~	~~8~~	J & L	1451	Texas pattern	Cemented.			
~~7"~~	~~24~~	10	J & L	3255	Haliburton	Cemented.			

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
~~18~~	~~15½~~	150	50	Haliburton		
~~10~~	~~8-5/8~~	1451	200	Haliburton		
~~8¼~~	7"	3255	150	Haliburton		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth Set _____

Adapters—Material _____ Size _____

RECORD OF SHOOTING OR CHEMICAL TREATMENT

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT
~~8" hole~~	4"	Solidified	340 Cts.	3/20/37	3425-3565	3450

Results of shooting or chemical treatment Good.

RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

TOOLS USED

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

Cable toops were used from top feet to Bottom feet, and from _____ feet to _____ feet

PRODUCTION

Put to producing Flowed after shot., 19____

The production of the first 24 hours was 181 barrels of fluid of which 100 % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, Be _____

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

Rock pressure, lbs. per sq. in. 700

EMPLOYEES

R. T. Helms, Driller — W. B. Jones, Driller

O. B. Bryan, Driller — Gene Horner, 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 26th day of March 1937, 19____

Peter Bish
Notary Public

My Commission expires May 16, 1937

Jal, N. M., Place — March 25, 1937. Date

Name H. W. Hannan

Position Partner

Representing Plains Production Company
Company or Operator.

Address Jal, N.M.

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	10		Cellar
10	90	80	Caliche and sand bed.
90	100	10	Quick sand
100	120	20	ditto
120	125	5	Red sand rock
125	200	75	Red shale
200	210	10	Blue shale
210	240	30	Lime and Anhydrite.
240	255	15	Blue shale
255	270	15	Sandy Lime
270	280	10	Anhydrite and shale (red)
280	455	175	Red rock and red shale.
455	500	45	Blue shale.
500	520	20	Water sand.
520	530	10	Gray lime.
530	535	5	Red shale.
535	570	35	Sand.
570	615	45	Blue shale.
615	635	20	Sandy gray shale.
635	755	120	Red and blue shale.
755	765	10	Red salt.
765	990	225	Red shale, red rock.
990	1050	60	Red shale and Anhydrite shells.
1050	1155	105	Anhydrite.
1155	1170	15	Water sand.
1170	1195	25	Anhydrite.
1195	1240	45	Red shale and red rock
1240	1350	110	Red shale, red rock, salt
1350	1365	15	White anhydrite.
1365	1370	5	Red shale.
1370	1390	20	Anhydrite.
1390	1410	20	Anhydrite, salt.
1410	1451	41	Anhydrite and salt.
1451	1500	49	Salt.
1500	1525	25	Anhydrite and lime.
1525	1585	60	Salt.
1585	1615	30	Salt, Anhydrite, Poly.
1615	1630	15	Salt.
1630	1705	75	Red rock and salt.
1705	1790	85	Salt.
1790	1810	20	Anhydrite.
1810.	1820	10	Salt
1820	1835	15	Salt and red rock.
1835	1845	10	Anhydrite and Poly.
1845	2060	215	Salt.
2060	2100	40	Anhydrite.
2100	2140	40	Salt.
2140	2160	20	Anhydrite.
2160	2170	10	Blue shale.
2170	2525	355	Anhydrite and salt.
2525	2585	60	Lime.
2585	2655	55	Brown Lime.
2655	2660	25	Lime.
2660	2695	35	Anhydrite.
2695	2740	45	Anhydrite, shale.
2740	2750	10	Broken Lime.
2750	2770	20	Lime.
2770	2775	5	Red shale.
2775	2810	35	Anhydrite.
2810	2860	50	Gray lime.
2860	2895	35	Anhydrite.
2895	2950	55	Broken Gray Lime.
2950	2970	20	Anhydrite.
2970	3375	405	Lime
3375	3385	10	Lime and anhydrite.
3385	3440	55	Lime.
3440	3445	5	Oil sand.
3445	3463	18	Lime.
3463	3480	17	Sandy Lime, Oil increase.
3480	3485	5	Hard lime.
3485	3495	10	Sandy Lime, Oil increase.
3495	3505	10	Broken lime.
3505	3580	75	Lime, flaky, yellowish white.