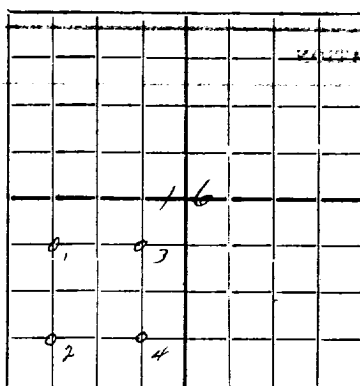


N.

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

2010

AREA 640 ACRES
LOCATE WELL CORRECTLY

WELL RECORD

DUPLICATE

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 TRIPPLICATE.

Empire Gas and Fuel Company

State C

Company or Operator

Lease

Well No. 4 in S.W. 1/4 of Sec. 16, T. 21

R. 36, N. M. P. M., Eunice Field, Lea County.

Well is 1980 feet south of the North line and 660 feet west of the East line of NE corner SW 1/4

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

If patented land the owner is Address

If Government land the permittee is Address

The Lessee is Empire Gas and Fuel Co. Address Bartlesville, Okla.

Drilling commenced 1-18-36 19 Drilling was completed 2-14 19 36

Name of drilling contractor Olson Drilling Co. Address Tulsa, Oklahoma

Elevation above sea level at top of casing feet.

The information given is to be kept confidential until 19

OIL SANDS OR ZONES

No. 1, from 3850 to 3912 No. 4, from to

No. 2, from to No. 5, from to

No. 3, from to 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 to feet.

No. 2, from to feet.

No. 2, 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 TO	PURPOSE
12 1/2	50	8		301	Float			
9 5/8	40	10		1720	"			
7	24	10		3760	"			
5 1/2 tubing				3892				

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
	12 1/2	301	225	Halliburton		
	9 5/8	1720	725	"		
	7	3760	150	"		

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
		Chemical	2000 gal.	2-16-36	3760-3912	
		"	4000 gal.	2-18-36	3760-3912	

Results of shooting or chemical treatment First treatment showed small results, and the last treatment of 4000 gallons acid resulted in the well making 3024 barrels in 24 hours.

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 0 feet to 3912 feet, and from feet to feet

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

PRODUCTION

Put to producing 3-1-1936

The production of the first 24 hours was 3024 barrels of fluid of which 99 % was oil; 1 % emulsion; % water; and % sediment. Gravity, Be

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

Rock pressure, lbs. per sq. in.

EMPLOYEES

Pete Green Driller C. P. Pinner Driller

J. R. Zearoe 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 20th

Hobbs, New Mexico 2-20-36

day of February, 1936

Name D. B. Bodie

Position Division Sup't.

L. W. Jernigan

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	94	94	Broken sand
94	267	173	Sand
267	280	13	Red bed and shells
280	307	27	Red bed
307	470	163	Red sand
470	642	172	Red bed and shells
642	895	253	Red bed and red rock
895	965	70	Red rock
965	1222	257	Red rock and shells
1222	1265	43	Hard sand
1265	1273	8	Shale (red and blue)
1273	1350	77	Shale and shells
1350	1396	46	Hard lime shells and shale
1396	1400	4	Shale and shells
1400	1490	90	Anhydrite
1490	1714	224	Salt and shale
1714	1734	20	Anhydrite
1734	1740	6	Salt
1740	1812	72	Anhydrite and salt
1812	1979	167	Salt and potash
1979	2010	31	Anhydrite
2010	2307	297	Salt and anhydrite
2307	2324	17	Salt potash and gyp
2324	2823	499	Salt and anhydrite
2823	2858	35	Anhydrite and gyp
2858	2915	57	Anhydrite and lime
2915	2951	36	Brown lime and anhydrite
2951	2966	15	Anhydrite
2966	3008	42	Brown lime
3008	3068	60	Anhydrite and lime
3068	3097	29	Grey lime and anhydrite
3097	3114	17	Brown lime
3114	3214	100	Brown and grey lime
3214	3220	6	Lime
3220	3264	44	Brown lime
3264	3278	14	Lime and potash
3278	3297	19	Lime
3297	3410	113	Brown lime
3410	3430	20	Brown and grey lime
3430	3454	24	Lime and green shale
3454	3472	18	Lime
3472	3522	50	Brown lime
3522	3549	27	Anhydrite and brown lime
3549	3585	36	Brown lime
3585	3611	26	Grey lime and green shale
3611	3752	141	Lime
3752	3760	8	Brown lime
3760	3912	152	Lime