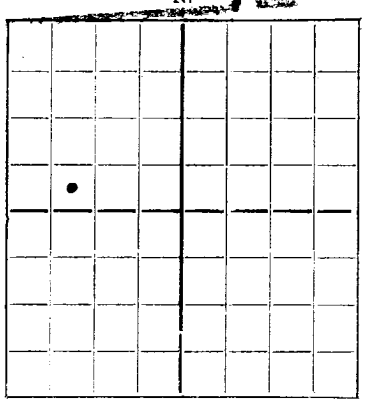
APPLICATE

FORM C-105

N.



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.

Astec Oil And Gas Co. (Company or Operator) State (Lease)

Well No. 4 in Lot 13 of Sec. 2, T. 21S, R. 37E, N. M. P. M., Undesignated Field, Lea County.

Well is 2970 feet ~~south~~ north of the ~~North~~ South line and 990 feet ~~west~~ east of the ~~East~~ West line of Sec2, T-21S, R-37E

If State land the oil and gas lease is No. B-11615 Assignement No. -

If patented land the owner is -, Address -

If Government land the permittee is -, Address -

The Lessee is Astec Oil and Gas Co., Address Dallas, Texas

Drilling commenced December 19, 1951. Drilling was completed February 18 1952

Name of drilling contractor Two States Drilling Co., Address Dallas, Texas

Elevation above sea level at ~~top of casing~~ DF 3494 feet.

The information given is to be kept confidential until Not Confidential 19__.

OIL SANDS OR ZONES

No. 1, from 7650 to 7960 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. 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
13 3/8	54#	8	Used	240	Guide				Surface
8 5/8	28.5#	8	New	3022	Float				Intermediate
5 1/2	15.5-17#	8	New	8042	Float				Production
2	4.70#	8	New	7975	Bull Plugged		7927	7939	Tubing

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
17 1/2	13 3/8	253	240	Halliburton		
12 1/4	8 5/8	3005	2600	"		
7 7/8	5 1/2	8004	550	"		

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

Results of shooting or chemical treatment __

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 8005 feet, and from __ feet to __ feet.

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

PRODUCTION

Put to producing February 18, 1952

The production of the first 24 hours was 411 barrels of fluid of which all % was oil; - % 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

Two States Drilling Co., ~~Driller~~ Contractor, Driller

__, 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.

Hobbs, N.M. (Place) March 11, 1952 (Date)

Name [signature]

Position Petroleum Engineer

Representing Astec Oil and Gas Co. (Company or Operator.)

Address Box 864 Hobbs, N.M.

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
			DRILLERS LOG
0	51	51	Caliche
51	1250	1199	Red beds
1250	1510	260	Anhydrite and shells
1510	2530	1020	Salt
2530	3115	585	Anhydrite
3115	3710	595	Anhydrite and shells
3710	3915	205	Anhydrite and lime
3915	4580	665	Sandy lime
4580	4633	53	Lime
4633	4762	129	Sandy lime
4762	5359	596	Lime
5359	5500	141	Lime and sand
5500	7539	2039	Lime
7539	7676	137	Lime and shale
7676	7940	264	Sand and shale
7940	8005-TD	65	Lime and shale

Schlumberger Tops

T. Anhydrite——1250
T. Salt——1510
T. Glorietta——5300
T. Drinkard——6560
T. Simpson——7480
T. Hckee——7647
T. Ellenburger L. —7980

Drill Stem Tests

#1. 5479-5535, Tool open 1½ hours, recovered 90' slightly oil and gas cut mud

#2. 6944-7035, Tool open ½ hour, then packer failed. Recovered 1300' drilling mud

#3. 7069-7170, Tool open 6 hours. Gas to surface in 9min., fluid to the surface in 4½ hours, flowed ½ bbl. then died.

#4. 7214-7275, Tool open 2 hours. Recovered 180' slightly gas cut mud

#5. 7338-7565, Tool open 5½ hours. Recovered 180' heavily oil and gas cut mud.

#6. 7399-7499, Tool open 1½ hours. Recovered 450' gas cut mud with slight show of oil