



NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPLICATE.

AREA 640 ACRES
LOCATE WELL CORRECTLY

Astec Oil and Gas Company

(Company or Operator)

State E-20

(Lease)

Well No. 1, in SE $\frac{1}{4}$ of SW $\frac{1}{4}$ of Sec. 20, T. 20, R. 36, NMPM.Undesignated Pool, Lea County.Well is 1980 feet from West line and 660 feet from South lineof Section 20. If State Land the Oil and Gas Lease No. is A-1375Drilling Commenced May 25, 19 55 Drilling was Completed June 10, 19 55Name of Drilling Contractor Makin Drilling CompanyAddress Hobbs, New MexicoElevation above sea level at Top of Tubing Head 3629 KB

The information given is to be kept confidential until

, 19

OIL SANDS OR ZONES

No. 1, from 4128 to 4136 No. 4, from _____ to _____No. 2, from 3990 to 4020 (Gas) 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 None to _____ feet.

No. 2, from _____ to _____ feet.

No. 3, from _____ to _____ feet.

No. 4, from _____ to _____ feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	Set At AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
8-5/8"	24#	New	330	Guide			Surface
5-1/2"	14#	New	4162	Float		4128-4136	Production
2" EUE	Tubing		3949				

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"	8-5/8"	330	280	Halliburton		
7-7/8"	5-1/2"	4162	500	Halliburton		

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

PB TD 4149. Perf. 4128 to 4136. Fracture w/ 3000 gals. oil and 3000 lbs. sand and 500 gals. mud acid. Tested 1/2 BW/D and 1 1/4 BW/D pumping.

PB TD 4080. Perf. 4036 to 4060. Fracture w/ 5000 gals. oil and 3000 lbs. sand and 500 gals. mud acid. Tested 10 BW/ hr swabbing. Did not recover all load oil.

PB TD 4020. Perf. 3990' to 4010. Fracture w/ 5000 gals. oil and 3000 lbs. sand and 500 gals. mud acid. Tested. 1,700 BW/D thru 1 1/4" choke.

TP 1000 psi. OP 1300 psi Est. 15 BW/D.

Result of Production Stimulation

Depth Cleaned Out

REPORT 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 4163 feet, and from feet to feet.
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing July 14, 19 55 (Shut-in awaiting pipeline.)
OIL WELL: The production during the first 24 hours was 15 (est) barrels of liquid of which % was
was oil; % was emulsion; 100 % water; and % was sediment. A.P.I.
Gravity.
GAS WELL: The production during the first 24 hours was 1,700 M.C.F. plus barrels of
liquid Hydrocarbon. Shut in Pressure 1325 lbs.
Length of Time Shut in.

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):
Electric Log Tops Southeastern New Mexico Northwestern New Mexico

T. Anhy. 1865	T. Devonian	T. Ojo Alamo
T. Salt 2010	T. Silurian	T. Kirtland-Fruitland
B. Salt 3407	T. Montoya	T. Farmington
T. Yates 3706	T. Simpson	T. Pictured Cliffs
T. 7 Rivers 3967	T. McKee	T. Menefee
T. Queen	T. Ellenburger	T. Point Lookout
T. Grayburg	T. Gr. Wash	T. Mancos
T. San Andres	T. Granite	T. Dakota
T. Glorieta	T.	T. Morrison
T. Drinkard	T.	T. Penn
T. Tubbs	T.	T.
T. Abo	T.	T.
T. Penn	T.	T.
T. Miss	T.	T.

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	1370	1370	Red Beds				
1370	1865	495	Red Beds & Lime				
1865	2010	145	Anhydrite				
2010	3407	1397	Salt & Anhydrite				
3407	3550	143	Anhydrite, Red Shale, Sand & Lime				
3550	3900	350	Dolomite, Lime, Sand and Red Shale				
3900	3970	70	Dolomite and Lime				
3970	4162	192	Dolomite and Sand				
4162		Total	Depth				
DST #1	3805 to 3910	- Open 20 min. Recovered 10' mud. FP 30psi. 30 min. SIP 30 psi.					
DST #2	3911 to 4005	- Open 20 min. Gas to surface in 1 min. Tested 5000 MEF/D with est. 60 R/D salt water. Recovered 50' salt water with slight show of oil. FP 120 to 1010 psi. 30 min. SIP 1535 psi.					
DST #3	4010 to 4058	- Open 30 min. Gas to surface in 9 min. Recovered 1140' hvy. gas cut mud; 330' mud cut salt water. No show of oil. FP 515 to 615 psi. 30 min. SIP 1525 psi.					

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

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.

July 22, 1955 (Date)
Company or Operator Astec Oil and Gas Company Address Box 847 Hobbs, New Mexico
Name Position or Title District Superintendent