

N											
R-27-E											
Sec. 22											
T											
21											
S											

AREA 640 ACRES
LOCATE WELL CORRECTLYNEW 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. FORM C-110 WILL NOT BE APPROVED UNTIL FORM C-105 IS PROPERLY FILLED OUT.

Shell Oil Company Box 1457, Hobbs, New Mexico
Company or Operator Address
Argo "A" Well No. 5 in NW/4 of Sec. 22, T. 21-S.
Lease
R. 37-E, N. M. P. M., Drinkard Field, Lea County.
Well is 1980 feet south of the North line and 3150 feet west of the East line of Sec. 22, T-21-S, R-37-E.
If State land the oil and gas lease is No. Assignment No.
If patented land the owner is Argo Oil Corp. Address Ft. Worth, Texas
If Government land the permittee is Address
The Lessee is Shell Oil Company Address Box 1457, Hobbs, New Mexico
Drilling commenced 1-15 19 50 Drilling was completed 2-16 19 50
Name of drilling contractor Thompson-Carr Address Box 588, Odessa, Texas
Elevation above sea level at top of casing 3414 feet.
The information given is to be kept confidential until Not confidential 19.

OIL SANDS OR ZONES

No. 1, from 6391 to 6633 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		PURPOSE
							FROM	TO	
13 3/8"	32.4#	8R	Naylor	210'	Texas Pattern				Water string
8 5/8"	32#	8R	Republic	2909'	Baker				Salt String
5 1/2"	15.5#	8R	Pittsburg	6524'	Cameron				Oil string
2 3/8"	4.7#	8R	Mixed	6620'	Hung @ 6627	6614	6620		Tubing string

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
17 1/2"	13 3/8"	230	250	Pump & plug	9.0#	
11"	8 5/8"	2920	2000	Pump & plug	10.5#	
7 7/8"	5 1/2"	6535	500	Pump & plug	9.3#	

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth Set
Adapters — Material Size

RECORD OF ~~SHOOTING~~ CHEMICAL TREATMENT

XXX	XXXXXXXXXX	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT
		15% LST	1000 gals.	2-21-50	6535-6633	
		15% LST	2000 gals.	2-28-50	6535-6633	
		15% LST	4000 gals.	3-13-50	6535-6633	

Results of ~~shooting or~~ chemical treatment Flowed 22 bbls. oil in 1 1/2 hrs. and died.

RECORD OF DRILL-STEM AND SPECIAL TESTS See Reverse Side

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 6633 feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to producing 3-29 19 50
Flowing with intermittent. Flowed 4 - 45 min. periods
The production of the first 24 hours was 30.36 barrels of fluid of which 99.6% was oil; —%
emulsion; —% water; and 0.4% sediment. Gravity, 39.2 API
If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas.
Rock pressure, lbs. per sq. in. GOR 1685

EMPLOYEES

A. A. Ferguson Driller A. O. Bowers Driller
L. D. Rushing 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 30th Hobbs, New Mexico 3-30-50
Name Frank R. Lovering

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	105	105	Sand & caliche
105	1280	1175	Red Beds
1280	2560	1280	Salt & anhydrite
2560	2750	190	Anhydrite
2750	6633	3883	Lime, & dolomite w/anhydrite, sand & shale.
TOPS BY SCHLUMBERGER:			
Zone I	6391 (-2966')		
Zone III	6520 (-3095')		
Zone IV	6567 (-3142')		
Zone V	6615 (-3190')		
DST #1:	6499-6633		3/4" BC & 1" TC. Tool open 185 min. Gas to surface in 9 min. Moderate blow throughout test. Gas rate 222 MCF per day. Recovered 490' (3.2 bbls.) free oil, gravity 38.7° API and 450' (3 bbls.) heavily oil & gas cut mud, salinity of mud filtrate from pit 1200 ppm total chlorides. FBHP 375 to 475 p.s.i. 15 min. SBHP 1650 p.s.i. HMH 3100 p.s.i. <u>Positive Test.</u>