

Santa Fe, New Mexico

WELL RECORD

Mail to District Office, Oil Conservation Commission, to which Form G-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

Shell Oil Company

Markham Unit
(Lease)

Well No. 1, in SE 1/4 of S4 1/4, of Sec. 23, T. 12-S, R. 37-E, NMPM.

Gladiola Wolcott

Pool, Los Angeles County.

Well is 660 feet from South line and 1980 feet from West line.

of Section 23 If State Land the Oil and Gas Lease No. is

Drilling Commenced 6-12, 1952 Drilling was Completed 10-28, 1952

Name of Drilling Contractor..... **Cactus Drilling Company**

Address.....**San Angelo, Texas**.....

Elevation above sea level at Top of Tubing Head.....~~3000~~..... The information given is to be kept confidential until

Not confidential....., 19.....

OIL SANDS OR ZONES

No. 1, from 9744 to 9754 No. 4, from _____ to _____

No. 2, from 97481 to 97781 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	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
13-3/8	36#	New	340				Surface String
8-5/8	32#	New	4503				Salt String
5-1/2 Ins.	17015.5#	New	5515	Larkin		9744 - 9754	Oil String
2	4.7#	New & SN	9774	Huang # 9783			Tubing String

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
17-1/4	13-3/8	355	325	Pump & Plug	Cemented to surface.	
11	8-5/8	4506	2300	Pump & Plug	Cemented to surface.	
7-5/8	5-1/2	9820	1000	Pump & Plug		

RECORD OF PRODUCTION AND STIMULATION

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

Treated thru casing perfor. from 9744 to 9754' w/750 gallons 15% non-emulsion acid.

Result of Production Stimulation.

Result of Production Stimulation.....

After recovering hole lead pump d 132 barrels of oil in 24 hours w/16-64" SPK.

..Depth Cleaned Out.

F ORD OF DRILL-STEM AND SPECIAL TES

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 9623 feet, and from feet to feet.
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing 12-4-1952

OIL WELL: The production during the first 24 hours was 132 barrels of liquid of which 100% was oil; % was emulsion; % water; and % was sediment. A.P.I. Gravity 43.3°

GAS WELL: The production during the first 24 hours was M.C.F. plus barrels of liquid Hydrocarbon. Shut in Pressure lbs.

Length of Time Shut in

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico

Northwestern New Mexico

T. Anhy.	T. Devonian	T. Ojo Alamo
T. Salt	T. Silurian	T. Kirtland-Fruitland
B. Salt	T. Montoya	T. Farmington
T. Yates	T. Simpson	T. Pictured Cliffs
T. 7 Rivers	T. McKee	T. Menefee
T. Queen	T. Ellenburger	T. Point Lookout
T. Grayburg	T. Gr. Wash	T. Mancos
T. San Andres Yaso 5918 (-2020')	T. Granite	T. Dakota
T. Glorieta	T. Wolfcamp 9221 (-5303')	T. Morrison
T. Drinkard 8114 7200 (-3302')	T.	T. Penn.
T. Tubbs	T.	T.
T. Abo 7909 (-4011')	T.	T.
T. Penn. 9760' (-5749')	T.	T.
T. Miss.	T.	T.

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	30	30	Caliche & Surface Sands				
30	360	330	Surface Sands & Red Beds				
360	1985	1545	Red Beds				
1985	2380	475	Anhydrite & Salt				
2380	3292	912	Salt, Anhydrite & Gyp				
3292	4480	1108	Anhydrite & Gyp				
4480	4470	70	Sand				
4470	5390	880	Dolomite				
5390	5680	290	Lime				
5680	6450	770	Lime & Dolomite				
6450	6600	150	Shale				
6600	7900	1300	Dolomite				
7900	7980	80	Shale				
7980	9290	1270	Dolomite				
9290	9990	340	Lime				
9990	9640	90	Shale				
9640	9623	189	Lime				
		9623					

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.

December 5, 1952 (Date)
Company or Operator Shell Oil Company Address Box 2957, Hobbs, New Mexico
Name J. D. Savage J. D. Savage Position or Title Division Exploitation Engineer

ATTACHMENT TO FORM C-105

Shell Oil Company

Markham Unit 1

Gladiola Wolfcamp Field

Lea County

- DST #1 9507 - 9677' (170' Wolfcamp Lime). Tool open 2 hrs. thru 5/8" BC & 1" TC on 3-1/2" DS. Moderate blow throughout test. Gas to surface in 18 mins. Vol. TSTM. Rec. 100' (0.74 bbls.) O&GCM / 5957' (44.08 bbls.) very heavy O&GC salt water, est. 10 to 20% oil / 800' (5.92 bbls.) sli. O&GC Salt water est. tr. to 10% oil / 600' (4.44 bbls.) salt water. Water titrated 54,500 PPM Cl⁻. FBHP 750 - 3000 psi. 30-min. SIBHP 3500 psi. MMH 4900 psi. Positive Test.
- DST #2 Straddle Test 9566 - 9607' (41' Wolfcamp Lime). Tool open 1 hr. thru 5/8" BC & 1" TC on 3-1/2" DS. Moderate blow throughout test. Gas to surface in 15-min. Vol. TSTM. Rec. 90' (0.67 bbls.) O&GCM / 970' (7.93 bbls.) O&GC salt water. (est. 10% oil) / 3017' (22.22 bbls.) GC salt water which titrates 54,000 PPM Cl⁻. FBHP 300 - 1478 psi. 30-min. SIBHP 3285 psi. MMH 4923 psi. Pressure charts indicate effective isolation of zone tested. Positive Test.
- DST #3 9677 - 9717' (40' Wolfcamp Lime). Tool open 1 hr. thru 5/8" BC & 1" TC on 3-1/2" DS. Weak air blow throughout test. No gas to surface. Rec. 100' (0.74 bbls.) sli. O&GCM. FBHP 0 psi. 30-min. SIBHP 2025 psi. MMH 4875 psi. Positive Test.
- DST #4 9743 - 9756' (13' Wolfcamp Lime). Tool open 1-1/2 hrs. thru 5/8" BC & 1" TC on 3-1/2" DS. Moderate blow throughout test. Gas to surface in 9 min. Vol. TSTM. Rec. 820' (6.07 bbls.) clean 40.7° API oil and 630' (4.66 bbls.) very heavy O&GCM. (40% oil). FBHP 0 - 500 psi, 40-min. SIBHP 2150 psi. MMH 5000 psi. Positive Test.
- DST #5 9757' - 9783' (26' Penn. Lime & Shale). Tool open 1-3/4 hours thru 5/8" BC & 1" TC on 3-1/2" DS. Strong blow throughout test. Gas to surface in 4 mins., mud & water in 30 min. & oil in 35 mins. Flowed 46 BF/hr. cut 20% water. Oil Gr. 41.1° API. GOR 1400. Circulated recovery. Rec. 180' (0.9 bbls.) salty sulfur water. ~~Resultative~~ Positive Test.

