

AREA 640 ACRES
LOCATE WELL CORRELATES

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 QUENTUPPLICATE. If State Land submit 6 Copies

SONIO PETROLEUM COMPANY Phillips Lea
(Company or Operator) (Lease)
Well No. 6, in NE 1/4 of SW 1/4, of Sec. 31, T. 17-S, R. 34-E, NMPM.
Vacuum, Grayburg-San Andres Pool, Lea County.
Well is 2310 feet from South line and 2310 feet from West line
of Section 31. If State Land the Oil and Gas Lease No. is B4118
Drilling Commenced December 12, 19 69 Drilling was Completed December 21, 19 69
Name of Drilling Contractor Cactus Drilling Company
Address P. O. Box 2068, Hobbs, New Mexico 88240
Elevation above sea level at Top of Tubing Head 4091 G.L. The information given is to be kept confidential until
Not Confidential, 19

OIL SANDS OR COALS

No. 1, from 4639 to 4644 No. 4, from to
No. 2, from 4668 to 4703 No. 5, from to
No. 3, from 4733 to 4783 No. 6, from to

IMPORTANT WATERED 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	TYPE OR USED	AMOUNT	TYPE OF IRON	OUT AND PULLED FROM	PERFORATIONS	PURPOSE
8-5/8"	20#	Used	414	Guide	-	-	Surface
5-1/2"	22.54#	Used	4870	Heat	-	-	Production
Perf. 4639,4644,4668,4674,4678,4683,4687,4692,4697,4703,4733,4737,4743,4748,4755,4760							

REPAIRS AND CEMENTING RECORD

SIZE OF TUBING	SIZE OF CASING	WEIGHT PER FOOT	NO. SACS OF CEMENT	REPAIR TYPE	WATER GRAVITY	AMOUNT OF MUD USED
12-1/4	8-5/8	414	300	Pump & Plug	Native	Circulated cem.
7-7/8	5-1/2	4870	225	Pump & Plug	10.4	

RECORD OF PRODUCTION AND STIMULATION

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

Spotted 250 gals. 15% NE acid; acidized w/additional 2000 gals. of 15% NE acid. Sand-
frac'd 4639-4760 w/15,000 gals. of refined oil pad & 40,000 gals. of refined oil w/50,000#
of 20/40 sand. Breakdown pressure 4200, Max. treating press. 4700, Av. 4500; inj. rate
31.0 BPM; ISIP 2400 psi.
Result of Production Stimulation
Depth Cased Out PBTD 4850'

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 4875 feet, and from feet to feet.
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing January 2, 1970

OIL WELL: The production during the first 24 hours was 182 barrels of liquid of which 42 was oil; % was emulsion; 58 % water; and % was sediment. A.P.I. Gravity 37°

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. 1513	T. Devonian	T. Ojo Alamo
T. Salt 1623	T. Silurian	T. Kirtland-Fruitland
B. Salt 2741	T. Montoya	T. Farmington
T. Yates 2854	T. Simpson	T. Pictured Cliffs
T. 7 Rivers	T. McKee	T. Menace
T. Queen 3853	T. Ellenburger	T. Point Lookout
T. Grayburg 4238	T. Gr. Wash	T. Mancos
T. San Andres 4636	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	1515	1515	Surf. materials & red bed				
1515	1595	80	Broken anhy. & red shale				
1595	1625	30	Anhydrite				
1625	2690	1065	Salt w/streaks of anhy.				
2690	2855	165	Anhy. w/streaks dolo. & sand				
2855	2945	90	Yates Sand Zone - sand, shale & streaks anhy.				
2945	3165	220	Anhy. w/streaks sand, shale & dolomite				
3165	3215	50	Grey sand				
3215	3815	600	Broken anhy. & dolomite w/slight amt. shale & sand				
3815	3860	45	Coarse grey sand				
3860	4200	340	Broken anhy. & dolo. w/ slight amt. shale & sand				
4200	4595	395	Mostly dense dolo. w/ streaks tight sand w/ sdy. dolo. bottom 50'				
4595	4735	140	White lime & dolo.				
4735	4875	140	Dolomite				

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.

February 4, 1970

Company SOHIO PETROLEUM COMPANY Address P. O. Box 3167, Midland, Texas 79701
Name A. K. HOOD Position or Title District Superintendent