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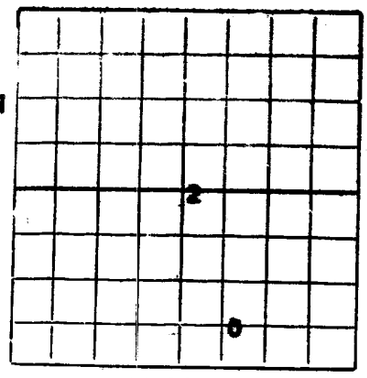
Revised 7/1/58
Form C-105

NEW MEXICO OIL CONSERVATION COMMISSION

MAIN OFFICE OCC Santa Fe, New Mexico

1962 MAR 23 AM 8 24

WELL RECORD



AREA 640 ACRES
LOCATE WELL CORRECTLY

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. If State Land submit 6 Copies

Union Land & Grazing Company (Company or Operator) Ft. Union (Lease)

Well No. 1, in SW ¼ of SE ¼, of Sec. 2, T. 20 N, R. 19 E, NMPM.

Wildcat Pool, Mora County.

Well is 1957' feet from East line and 235' feet from South line of Section 2. If State Land the Oil and Gas Lease No. is .....

Drilling Commenced August 10, 19 61. Drilling was Completed March 17, 19 62.

Name of Drilling Contractor D & E Well Servie Aug. 10 - Oct. 3 Donnelly Drlg Co. Oct. 18 - Mar 17.

Address Both contractors address Artesia, New Mexico

Elevation above sea level at Top of Tubing Head 8203 D.F. (Est.) The information given is to be kept confidential until (Hole not tight), 19.....

OIL SANDS OR ZONES

No. 1, from None to ..... 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 883' to 896' feet. (Water was encountered

No. 2, from 954' to 966' feet. while drilling at 903'

No. 3, from 1060' to 1064' feet. and rose up hole to

No. 4, from 1134' to 1140' feet. 875'.)

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
10 3/4"	40#	New	87'				Surf. Csg.
8 5/8"	24#	New	1432'	Baker			Intermediate

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
15"-12½	10 3/4"	87'	50	Hand mix - Dump		
				down annulas		
10"	8 5/8"	1432'	100	Pump & plug		

RECORD OF PRODUCTION AND STIMULATION

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

.....

.....

.....

.....

Result of Production Stimulation .....

.....

.....Depth Cleaned Out.....

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 none feet to feet, and from none feet to feet.
Cable tools were used from 0' feet to 4070' TD feet, and from feet to feet.

PRODUCTION

Put to Producing none, 19

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

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	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'	192'	192'	San Andres				
192'	600'	408'	Glorieta SS member				
600'	750'	150'	Yeso				
750'	2650'	1900'	Sangre de Christo				
2650'	2776'	126'	Magdalena				
2776'	2826'	50'	Tert. Porphyry Intrusive				
2826'	3053'	227'	Magdalena				
3053'	3325'	272'	Tert. Porphyry Intrusive				
3325'	3375'	50'	Magdalena				
3375'	3378'	3'	Tert. Porphyry Intrusive				
3378'	3455'	77'	Magdalena				
3455'	3472'	17'	Tert. Porphyry Intrusive				
3472'	3560'	88'	Magdalena				
3560'	3608'	48'	Tert. Porphyry Intrusive				
3608'	3880'	272'	Magdalena				
3880'	4070'	190'	Tert. Porphyry Intrusive				

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.

Paul R. Buehler March 23, 1962.
Paul R. Buehler

Company or Operator Union Land & Grazing Co.
Name Andrew Marshall, Jr.
Andrew Marshall Jr.

Address 2775 Crabapple Rd., Golden, Colorado
Position or Title Consulting Geologist.

FORMATION FLOWING PRESSURE TEST

At 12:30 P.M. February 3, 1962, the CO_2 gas blow from the No. 1 Ft. Union well was tested utilizing a 3 inch orifice well tester with a 1 inch plate opening and a Bristol's Model 1 G 531-14 Serial 730960 pressure recording device with chart no. 4638 which recorded pressure in inches of mercury.

When test was begun the pressure reading was immediately 11 inches of merucy and built up to 39 inches of mercury in a 30 minute period then leveled off. The flowing test was ended at 2:30 P.M. after a 2 hour period at which time the recorded pressure was 41 inches of mercury.

Without bleeding off the flowing pressure which had built up, the Bristol's recording device was removed and a guage which recorded pounds per square inch was attached. The reading was 18 p.s.i.

The 3 inch orifice well tester was then removed and a 2 inch orifice well tester was then attached, again without bleeding off the flowing pressure build up. With the 2 inch orifice well tester and a 1 inch plate inserted and a pounds per square inch guage, the reading was 19 p.s.i.

Using British American Oil Producing Co. gas measurement chart 2-15-45 this volume of gas (uncorrected for temperature and pressure) is a flow of gas at the rate of 720 MCF per day.

Later the well was shut in to determine the shut in pressure. The pressure built up to 100 p.s.i. in a 15 minute shut in period.

This gas was analized by Core Laboratoris Inc., Dallas, Texas and found to be 98% CO_2.

[illegible]

[illegible]