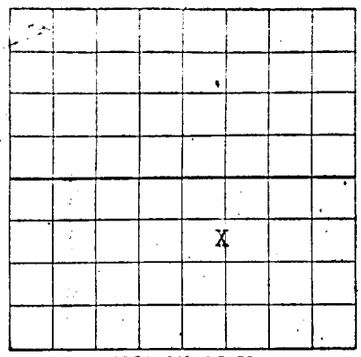

AREA 640 ACRES
LOCATE WELL CORRECTLY

(REVISED 7-1-52)
(FORM C-105)

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

This well is a triple completion.

Key:
(1) Granite Wash
(2) Wantz Abo
(3) Penrose Skelly

WELL RECORD

OCT 24 10 36 AM '63

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.

HUMBLE OIL & REFINING COMPANY (COMPANY OR OPERATOR) New Mexico State "S" (LEASE)

WELL NO. 24 (1), IN NW (2) ¼ OF SE (3) ¼, OF SEC. 2, T. -22-S, R. -37-E, NMPM.

Granite Wash, Wantz Abo, Penrose Skelly POOL, Lea COUNTY.

WELL IS 1980 FEET FROM East LINE AND 1650 FEET FROM South LINE OF SECTION 2. IF STATE LAND THE OIL AND GAS LEASE NO. IS E-934

DRILLING COMMENCED February 15, 1963 DRILLING WAS COMPLETED May 6, 1963

NAME OF DRILLING CONTRACTOR Leatherwood Drilling Company

ADDRESS Kermit, Texas

ELEVATION ABOVE SEA LEVEL AT TOP OF TUBING HEAD 3366 D.F. THE INFORMATION GIVEN IS TO BE KEPT CONFIDENTIAL UNTIL -, 19-

DATE WELL COMPLETED See below

DISTANCE FROM RDB TO CSG. HEAD FLANGE 13.33 TOP OF RDB 1.0

OIL SANDS OR ZONES (1) 5-21-63 (2) 7-22-63 (3) 9-30-63

STRING NO. 1, FROM 7327-7346 TO - NO. 4, FROM - TO -

STRING NO. 2, FROM 6880-6886 TO - NO. 5, FROM - TO -

STRING NO. 3, FROM 3672,3696,3719, 3723,3731,3740, 3743,3757 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	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
	13-3/8	48	New	277	Larkin	-	-	Surface
	9-5/8	32.80	New	2630	Larkin	-	-	Intermediate
(1)	2-7/8	6.4	New	7392	Halliburton	-	7327-7346	Oil String
(2)	2-7/8	6.4 & 6.5	New	7391	Halliburton	-	6880-6886	Oil String
(3)	2-7/8	6.4 & 6.5	New	6492	T.I.W.	-	See below *	Oil String

* 3672,3696,3719,3723,3731, 3740,3743,3757

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	TOP OF CEMENT
17-1/2	13-3/8	295	335	Pumped	-	Circulated Cement
12-1/4	9-5/8	2645	600	Pumped	-	Top-1600 by temp survey
(1)& (2) 8-3/4	2-7/8	7405,7405	320-1st stage	Pumped	-	Top-1875 by temp survey
(3) 8-3/4	2-7/8	6506	1350-2nd stage	Pumped	-	Top-1875 by temp survey

Strings #1 & #2 cemented at same time in Stage #1. String #3 cemented in Stage #2

RECORD OF PRODUCTION AND STIMULATION

(RECORD THE PROCESS USED, NO. OF QTS. OR GALS. USED, INTERVAL TREATED OR SHOT.)

Loaded string #1 (Granite Wash) with Humble Frac Oil before perforating. Perf 7327-7346 & treate with 4000 gals Humble Frac Oil & 4000# 20-40 sand with an average injection rate of 8.3 BPM. Max press 5800# Min press [illegible] Job by Halliburton. String #2 (Wantz Abo) spotted 1000 gals acid over perf 6870-89 followed by lease crude. Pressured up and acidized (Con't on 3)

RESULT OF PRODUCTION STIMULATION String #1 (Granite Wash) completed as a flowing oil well. String #2 (Wantz Abo) completed as a flowing oil well. String #3 completed as a pumping oil well.

TOTAL DEPTH 7411 (Driller's TD) 7405 (Logger's T.D.) PBD (1) 7382 by W.L.
(2) 6986-Driller
(3) 6267-cmt plug est.

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 7411* FEET, AND FROM ____ FEET TO ____ FEET.

CABLE TOOLS WERE USED FROM - FEET TO - FEET, AND FROM ____ FEET TO ____ FEET.

* Driller's T.D. Oct 24 10 36 AM '63

PRODUCTION

PUT TO PRODUCING (1) 5-21-63 (2) 7-22-63 (3) 9-30-63, 19__

(1) 190 (2) 23

(1) 100 (2) 100

OIL WELL: THE PRODUCTION DURING THE FIRST 24 HOURS WAS (3) 31 BARRELS OF LIQUID OF WHICH (3) 23 %

WAS OIL; (1) - (2) - (3) - % WAS EMULSION; (1) - (2) - (3) 77% WATER; AND (1) - (2) - (3) - % WAS SEDIMENT. A.P.I. GRAVITY (1) 42.0 (2) 42.3 (3) 34.4

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. RUSTLER	1115	T. SILURIAN		T. KIRTLAND-FRUITLAND	
T. SALADO	1200	T. MONTOYA		T. FARMINGTON	
T. YATES	2650	T. SIMPSON		T. PICTURED CLIFFS	
T. 7 RIVERS	2775	T. SANDSTONE-Unk Age	7270	T. MENEFEE	
T. QUEEN	3416	T. ELLENBURGER		T. POINT LOOKOUT	
T. GRAYBURG	3656	T. GR. WASH	7324	T. MANCOS	
T. SAN ANDRES	3830	T. GRANITE		T. DAKOTA	
T. GLORIETA	5000	T. PRE-CAMBRIAN IGNEOUS	7350	T. MORRISON	
T. DRINKARD		T.		T. PENN	
T. CLEARFORK(BLINE)	5450	T.		T.	
T. YESO TUBB	5917	T.		T.	
T. YESO DRINKARD	6245	T.		T.	
T. ABO	6488	T.		T.	

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION	FROM	TO	THICKNESS IN FEET	FORMATION
0	70	70	Surface Sand				
70	1155	1085	Red Bed, Shale, Anhydrite				
1155	3355	2200	Anhydrite, Gyp				
3355	3618	263	Anhydrite, Dolomite				
3618	3685	67	Sand, Dolomite				
3685	3930	245	Dolomite				
3930	4565	635	Sandy Lime				
4565	5052	487	Sandy Lime, Dolomite				
5052	5705	653	Lime, Dolomite				
5705	5967	262	Anhydrite, Dolomite, Lime				
5967	6452	485	Lime				
6452	6857	405	Lime, Dolomite				
6857	6909	52	Lime, Dolomite, Shale				
6909	7411 T.D.	502	Lime, 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

October 16, 1963
(DATE)

COMPANY OR OPERATOR Humble Oil & Refining Company

ADDRESS Box 2100, Hobbs, New Mexico 88240

NAME ORIGINAL SIGNED: ARVIN D. EADY

POSITION OR TITLE Agent

SUPPLEMENTAL WELL INFORMATION

NAME OF WELL AND NUMBER New Mexico State "S" Well No. 25

POOL COMPLETED IN (1) Granite Wash (2) Wantz Abo (3) Penrose Skelly

PERFORATED INTERVAL (1) 7327-7346 one jet shot/ft. (2) 6880-6889 one jet shot/ft. (3) 3672,3696,3719, 3723,3731,3740 3743,3753 one jet shot/ft.

STIMULATIONS:

(Continued from page 1) well with an average injection rate of 3 BPM. Maximum pressure 3500# Minimum pressure 2600#. Flushed with 39 bbls lease oil. Overflushed with 8 bbls lease oil. Job by Western Co. String #2 (Wantz Abo) spotted 500 gals acid over perf 6880-89 and soaked. Pressured up and acidized in 5 short stages with an average injection rate of .04 BPM. Max. press 3600#. Min. press 3400#. Job by Western Co. String #2 (Wantz Abo) acidized perf 6880-89 with 500 gals acid. Average injection rate of 3 BPM. Max. press 3000#. Min. press 1500#

POTENTIAL TEST (con't below) (con't below)

DATE	CHOKE SIZE	HOURS TESTED	BBLS/DAY FLUID	BBLS/DAY OIL	% OF BS&W	GAS MCF /DAY	GOR	TBG PR OR S P M	CSG PR OR L. STROKE	CORRECTED GRAVITY
5-21-63	3/16	24	190	190	-	211	1110	-	690	42.0
7-22-63	9/32	24	23	23	2/10	83	3609	-	150	42.3

DRILL STEM TESTS

NO.	RESERVOIR	INTERVAL TESTED FROM	INTERVAL TESTED TO	PRESSURES I. SI.	PRESSURES F. FLOW.	PRESSURES F. SI.	RECOVERY - FEET	RUN BY
1	San Andres	3890	3930	1615	327	1459	90' O & GC Salty, *	Johnston
2	Blinebry	5625	5665	101	72	389	540' gas in DP,G & DCD**	Cook
3	Blinebry	5783	5821	-	-	-	Misrun	Johnston
4	Blinebry	5783	5821	355	31	630	90' Drlg. mud	Johnston
5	Abo	6714	6807	2564	731	2900	510' hvy. GC mud	Johnston
6	Abo	6857	6910	2873	256	2814	90' O & GCM, 750'***	Cook

* sulphur water & 595' of GC sulphur wtr. ** fluid and 3' free oil *** clean oil (con't below)

CORES: Core #1 from 3412 to 3462. Core #2 from 3462 to 3540. Core #3 from 3540 to 3618. Core #4 from 3618 to 3685. Core #5 from 3685 to 3763. Core #6 from 3762 to 3784. Core #7 from 3784 to 3836. Core #8 from 5010 to 5060. Core #9 from 5060 to 5075. Core #10 from 5075 to to 5132. Core #11 from 5132 to 5188. Core #12 from 5503 to 5581. Core #13 from 5581 to 5600. Core #14 from 5613 to 5665. Core #15 from 5665 to 5717. Core #16 from 5717 to 5769.

LOGS:

Gamma Ray Neutron - Schlumberger from 7411 to surface on 5-8-63.
Sonic - Schlumberger from 7411 to 2645 on 5-8-63. Microlaterolog w/caliper - Schlumberger from ☐ to 2645 on 5-8-63 ☐ 7411
Laterolog - Schlumberger from 7411 to 2645 on 5-8-63. Movable Oil Plot - Schlumberger from 4300 to 3600, 5850 to 5400, 7411 to 6200 on 5-8-63.

UNSUCCESSFUL COMPLETION ATTEMPTS: (SEE DAILY DRILLERS REPORTS FOR SQUEEZES OR BRIDGES.)

FROM	TO	
6870	6889	(2) Halliburton squeezed on 5-31-63
6880	6886	(2) Halliburton squeezed on 6-12-63
6425-29 &	6436-38	(Drinkard) squeezed on 8-10-63

POTENTIAL TEST (Continued from above)

9-30-63	Pumping	24	31	7	77	TSTM	2429	12	54	34.4

DRILL STEM TESTS

NO.	RESERVOIR	INTERVAL TESTED FROM	INTERVAL TESTED TO	PRESSURES I. SI.	PRESSURES F. FLOW.	PRESSURES F. SI.	RECOVERY - FEET	RUN BY
7	Abo	6940	7015	2690	99	766	185' heavy oil & GCM	Halliburton
8	Abo ?	7147	7235	3054	205	2177	120' oil & GCM	Johnston
9	Abo+Simpson	7237	7296	3302	433	2654	930' O & GC drlg fluid	Cook
10	Simp&Gr Wash	7292	7397	-	-	-	Misrun	Johnston
11	GraniteWash	7298	7411	3455	2388	3170	120' drlg fluid	Johnston
12	Granite(Basic Ign)	7374	7411	1275	114	1429	150' drlg fluid w/slight show of O & G. 540' of gas	Johnston

CORES: (con't from above) Core #17 from 5769 to 5821. Core #18 from 6410 to 6462. Core #19 from 6462 to 6487. Core #20 from 6610 to 6662. Core #21 from 6662 to 6714. Core #22 from 6714 to 6750. Core #23 from 6750 to 6800. Core #24 from 6807 to 6857. Core #25 from 6857 to 6910. Core #26 from 6910 to 6962. Core #27 from 6962 to 7002. Core #28 from 7002 to 7015. Core #29 from 7015 to 7063. Core #30 from 7063 to 7092. Core #31 from 7092 to 7132. Core #32 from 7132 to 7156. Core #33 from 7156 to 7166. Core #34 from 7157 to 7209. Core #35 from 7209 to 7235. Core #36 from 7235 to 7269. Core #37 from 7269 to 7296. Core #38 from 7296 to 7342. Core #39 from 7342 to 7374. Core #40 from 7371 to 7397. Core #41 from 7397 to 7411.

STIMULATIONS: (continued from above) Job by Western Co. String #2 (Wantz Abo) 6880-89 with 1000 gals acid. Average injection rate of 2.2 BPM. Max. press 3400#. Min. press 3200# Job by Western Co. String #2 (Wantz Abo) acidized perf 6880-89 with 1000 gals acetic acid over a period of 5 days. Job by Western Co. (Continued on Page 4)

NAME OF WELL AND NUMBER New Mexico State "S" No. 25

STIMULATIONS: (Continued from page 3) OCT 24 10 37 AM '63
String #2 (Wantz Abo) acidized perf 6880-89 with 500 gals acid with maximum amount of inhibitor. Average injection rate of 1/4 BPM. Max. press 1500#. Min. press 1000#. Flushed with 39 bbls. lease oil. Job by Western Co. String #2 (Wantz Abo) acidized perf 6880-89. with 1000 gals acid. Acid went in at no pressure. Displaced acid with 49 bbls lease oil. Job by Western Co. String #2 (Wantz Abo) acidized perf 6880-89 with 2000 gals acid with inhibitor. Pumped in 48 bbls acid and 49 bbls lease oil. Average injection rate of 2/10 BPM. Max. press 1100#. Job by Western Co. String #3 (Drinkard)treated perf 6425-29 and 6436-38 with 1000 gals acetic acid with maximum amount of inhibitor and followed by 14 bbls lease oil. Held pressure for 3 days. Job by Western Co. String #3 (Drinkard) acidized perf 6425-29 and 6436-38 with 250 gals reg HCL acid with maximum inhibitor. Pressured in at 1300#. Job by Western Co. String #3 (Drinkard) acidized perf 6425-29 and 6436-38 with 1000 gals acid with maximum inhibitor. Average injection rate of 3/10 BPM. Max. press 1200#. Flushed with 36 bbls lease oil. Job by Western Co. String #3 (Drinkard) sand fraced perf 6425-29 and 6436-38 with 10,000 gals Humble Frac with .025# Adomite Mark II per gal and 10,000# 20-40 sand. Average injection rate of 3 BPM. Average treating pressure of 5700#. Job by Halliburton. String #3 (Penrose-Skelly) acidized perf 3672,3696, 3719,3723,3731,3740,3743,3757 with acetic acid. Average injection rate of 1/4 BPM. used 1400# pressure for job. Work done by Dowell. String #3 (Penrose-Skelly) frac perf 3672,3696,3719,3723,3731,3740,3743,3757 with 20,000 gals El Paso Residue oil with .025# Adomite Mark II per gal and 40,000# 20-40 sand. Average injection rate 8.5 BPM. Average treating pressure 5500#. Flushed with 15 bbls lease oil. Job by Dowell.