

AREA 640 ACRES
LOCATE WELL CORRECTLY

This well is a triple completion.

OCT 7 3 23 PM '68 WELLS RECORD

Key:
#1 - Granite Wash
#2 - Wantz Abo
#3 - Penrose Skelly

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 QUINTUPPLICATE.

Humble Oil & Refining Company
(COMPANY OR OPERATOR)

New Mexico State "S"
(LEASE)

WELL NO. 25, IN SE $\frac{1}{4}$ OF SW $\frac{1}{4}$, OF SEC. 2, T. -22-S, R. -37-E, NMPM.

(1) Granite Wash (2) Wantz Abo (3) Penrose Skelly Pool Lea COUNTY

WELL IS 810 FEET FROM South LINE AND 2130 FEET FROM West LINE
OF SECTION 2 IF STATE LAND THE OIL AND GAS LEASE NO. IS B-934

DRILLING COMMENCED June 17, 1963 DRILLING WAS COMPLETED July 11, 1963

NAME OF DRILLING CONTRACTOR Johnn Drilling Company

ADDRESS Odessa, Texas

ELEVATION ABOVE SEA LEVEL AT TOP OF TUBING HEAD 3367 D. F.. THE INFORMATION GIVEN IS TO BE

KEPT CONFIDENTIAL UNTIL _____, 19____ - DATE OF FINAL COMPLETION 9-19-63

Distance of RDB from casinghead flange TOP OF RDB 1.00
on all 3 strings is 14.40 OIL SANDS OR ZONES

STRING NO. 1. FROM 7300-7318, 7342 7350, 7354, 7359 (GW) NO. 4. FROM TO

STRING NO. 2. FROM 6877-6881 6884-6897 (WA) NO. 5. FROM TO

STRING NO. 3 FROM 3678,3703,3706, ~~3716~~ 3716,3724,3731, NO. 6 FROM TO

Date of Completion: 3746 (PS)
Granite Wash 9-19-63 Wantz Abo 8-19-63 **IMPORTANT WATER SANDS** Penrose Skelly 9-19-63

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.
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#1
#2
#3

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
13-3/8	48	New	288	Larkin	-	-	Surface
9-5/8	32.30	New	2645	Larkin	-	-	Intermediate
2-7/8	6.4,6.5	New	7379	Howco	-	See perfs per	Oil String
2-7/8	6.4,6.5	New	7379	Howco	-	zone-under hdg	Oil String
2-7/8	6.4,6.5	New	5442	Howco	-	"Oil Sands and Zone"/	Oil String

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	305	325	Pumped	-	Cmt circ to surface
12-1/4	9-5/8	2660	600	Pumped	-	1275 by temp survey
8-3/4	*2-7/8	7393	575	Pumped	-	1500 by temp survey
	#3- 5456		900	Pumped	-	

* Cemented in two stages-1st stage-String #1 & #2 at 7393, 2nd stage-string #3

RECORD OF PRODUCTION AND STIMULATION

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

String #3 pumped in 500 gals acetic acid. Perf. 2-7/8" csg at 3678, 3703, 3706, 3716, 3724, 3731, 3746 with one jet shot/interval. Loaded hole w/clean oil. Pressure up and forced acid into formation w/ average injection rate of .29 BPM. Max press 1300#, min press 110#. Treatment by Dowell. Swabbed, loaded hole w/lease oil, frac perf w/15,000 gals El Paso residue oil w/ 0.025 Adomite Mark 2 per gal and 30,000# 20-40 Sand (Continued on Page 3)

RESULT OF PRODUCTION STIMULATION Successful on all three completions.

Granite Wash and Wantz Abo completed as flowing oil wells, Penrose Skelly completed as a
pumping oil well. Total Depth - 7395 (Driller's Depth) PRD

String #1	7379
String #2	7379
String #3	5428

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 7395 FEET, AND FROM FEET TO FEET.
CABLE TOOLS WERE USED FROM FEET TO FEET, AND FROM FEET TO FEET.

1-(8-23-63)
2-(8-15-63)

PRODUCTION

PUT TO PRODUCING 3-(7-25-63), 19 1-(91) 1-(100)
OIL WELL: THE PRODUCTION DURING THE FIRST 24 HOURS WAS 2-(146) BARRELS OF LIQUID OF WHICH 2-(100) %
WAS OIL; 1-0 1-0 3-(131) 1-0 3-(47)
2-0 % WAS EMULSION; 2-0 % WATER; AND 2-0 % WAS
3-0 3-(53) 3-0
SEDIMENT. A.P.I. GRAVITY 1-(41.4), 2-(44.0), 3-(34.0)

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
RUSTLER 1095	T. SILURIAN	T. KIRTLAND-FRUITLAND
SALADO 1183	T. MONTOYA	T. FARMINGTON
T. YATES 2634	T. SIMPSON	T. PICTURED CLIFFS
T. 7 RIVERS	SANDSTONE (AGE UNK) 7244	T. MENESEE
T. QUEEN 3404	T. ELLENBURGER	T. POINT LOOKOUT
T. GRAYBURG 3644	T. GR. WASH 7297	T. MANCOS
T. SAN ANDRES 3825	T. GRANITE	T. DAKOTA
T. GLORIETA 4997	T. PRE-CAMBRIAN 7362	T. MORRISON
T. DRINKARD	T.	T. PENN
CLEAR FORK (BLINEBRY) 5441	T.	T.
TUBB 5918	T.	T.
DRINKARD 6246	T.	T.
ABO 6506	T.	T.

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION	FROM	TO	THICKNESS IN FEET	FORMATION
0	307	307	Red Bed				
307	1275	968	Anhydrite				
1275	2350	1075	Anhydrite & Salt				
2350	2551	201	Anhydrite				
2551	2793	242	Anhydrite & Lime				
2793	3644	851	Lime				
3644	4549	905	Lime & Sand				
4549	6710	2161	Lime				
6710	6881	171	Lime, Dolomite & Shale				
6881	7130	249	Lime				
7130	7250	120	Lime & Dolomite				
7250	7310	60	Lime, Dolomite & Sand				
7310	7395	85	Lime & Dolomite				
	T.D.						

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.

September 26, 1963

(DATE)

COMPANY OR OPERATOR Humble Oil & Refining Company ADDRESS Box 2100, Hobbs, New Mexico 88240
NAME ORIGINAL ARVIN D. EADY POSITION OR TITLE Agent
SIGNED

SUPPLEMENTAL WELL INFORMATION

NAME OF WELL AND NUMBER New Mexico State "S" Well #25

POOL COMPLETED IN String #1 in Granite Wash, String #2 in Wantz Abo and String #3 in Penrose Skell

PERFORATED INTERVAL See front page under heading of "Oil Sands or Zones"

STIMULATIONS:(String #3 continued) Average injection rate of 8.6 BPM. Max press 6000, Min press 5000. Treatment by Dowell. String #2 pumped in 31 bbls of acetic acid. Perf 2-7/8" csg from 6877-6881 and 6884-6897 one jet shot/ft. Pressured up on csg and forced acetic acid into formation. Flushed w/lease oil. Work by Dowell. String #1 pumped in 31 bbls of acetic acid. Perf 2-7/8" csg at 7342, 7350, 7354, 7359 w/one jet shot/interval. Forced acid into formation, treated perf w/5000 gals El Paso Residue oil w/#1 20-40 sand/gal. Average injection rate of 6.2 BPM. Max press 6000, Min press 4100#. Treatment by Dowell. Additional perf 7300-7318 one jet shot/ft.

POTENTIAL TEST

(Continued below)

	DATE	CHOKE SIZE	HOURS TESTED	BBLs/DAY		% OF BS&W	GAS MCF /DAY	GOR	TBG PR OR S P M	CSG PR OR L. STROKE	CORRECTED GRAVITY
				FLUID	OIL						
#1	9-18-63	-	22	91	91	-	119	1313	-	200	41.4°
#2	8-19-63	1/2	24	146	146	-	243	1664	-	100	44.0°

DRILL STEM TESTS

NO.	RESERVOIR	INTERVAL TESTED		PRESSURES			RECOVERY - FEET	RUN BY
		FROM	TO	I. SI.	F. FLOW.	F. SI.		
1	Jp. Drinkard	6243	6310	2492	162	2498	350' hvv gas cut mud	Johnston
2	Upper Abo	6630	6710	955	95	1341	150' gas cut mud	Johnston
3	Lower Abo	7223	7310	673	139	510	*	Cook
4	Granite Wash	7220	7395	2646	347	2781	**	Johnston
	drly							

* 90' fluid w/trace of oil, 180' gas cut drlg fluid w/trace of oil

** 135' clean oil 39° corrected gravity, 350' oil of gas cut drilling fluid

CORES:

NONE

LOGS: Gamma Ray - Neutron - Schlumberger - from 7395 to surface on 7-12-63
Microlaterolog - Schlumberger - from 7395 to 2661 on 7-12-63
Laterolog - Schlumberger - from 7395 to 2661 on 7-12-63

UNSUCCESSFUL COMPLETION ATTEMPTS: FROM None TO None
(SEE DAILY DRILLERS REPORTS FOR SQUEEZES OR BRIDGES.)

STIMULATIONS: (String #1 Continued) Loaded hole w/load oil and injected some acid into perforations. Frac perforations 7300-7318 w/5000 gals Humble Frac Oil w/.025# Adomite Mark 2/gal and 3500# sand. Average injection rate of 4.3 BPM. Max press 6000#, min press 3800#. Treatment by Dowell.

POTENTIAL TEST (Continued from Above)

#3	9-19-63	Pumping	22	131	61	53	183	3000	-	12	34.0°
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