

TEST RESULTS

OEC-865-1-C



CUSTOMER		GULF OIL COMPANY					OIL GRAVITY @ 60 °F (°API)		GAS SPECIFIC GRAVITY (AIR = 1)		INTERVAL TESTED (FEET)		STANDARD CONDITIONS			
							0.0		0.0000		12142-12148		15.03 PRESS.		60 TEMP	
DAY	TIME (24 HR. CLOCK)	FLOW OR SHUT-IN TIME (HOURS)	WELL HEAD PRESSURE (PSI)	WELL HEAD TEMP. (°F)	CHOKES SIZE Minimum (64th INCH)	SEPARATOR PRESSURE (PSI)	BOTTOM HOLE PRESSURE @ DEPTH (FT.) (PSI)	BOTTOM HOLE TEMP. @ DEPTH (FT.) (°F)	CORRECTED GAS FLOW RATE Q _g (—MSCF/D)	CORRECTED OIL FLOW RATE Q _o (STO BPD)	WATER FLOW RATE (BPD)	GOR (STO BBL/MSCF)	WOR (STO BBL/MSCF)	WGR (STO BBL/MSCF)		
1	16	0.00	3325	0	0	700			GAUGE TANK — 4' 1/4" —							1
2	16	0.25	2640	0	7	700			CHANGE CHOKES TO 8/64.				0.00	0.00	0.00	2
3	16	0.25	2352	0	8	700			CHANGE CHOKES TO 9/64.				0.00	0.00	0.00	3
4	16	0.25	2110	0	9	700			CHANGE CHOKES TO 10/64.				0.00	0.00	0.00	4
5	16	0.25	1961	0	9	700			CHANGE CHOKES TO 11/64.				0.00	0.00	0.00	5
6	16	0.25	1430	0	12	700			CHANGE CHOKES TO 12/64.				0.00	0.00	0.00	6
7	16	0.25	1665	0	14	700			CHANGE CHOKES TO 13/64.				0.00	0.00	0.00	7
8	16	0.25	1848	0	13	700			CHANGE CHOKES TO 14/64.				0.00	0.00	0.00	8
9	16	0.25	1898	0	13	700			CHANGE CHOKES TO 15/64.				0.00	0.00	0.00	9
10	16	0.25	1871	0	14	700			CHANGE CHOKES TO 16/64.				0.00	0.00	0.00	10
11	16	0.25	1862	0	14	700			CHANGE CHOKES TO 17/64.				0.00	0.00	0.00	11
12	16	0.25	1862	0	14	700			CHANGE CHOKES TO 18/64.				0.00	0.00	0.00	12
13	16	0.25	1885	0	14	700			CHANGE CHOKES TO 19/64.				0.00	0.00	0.00	13
14	16	0.25	1600	0	18	700			CHANGE CHOKES TO 20/64.				0.00	0.00	0.00	14
15	16	0.25	1422	0	19	700			CHANGE CHOKES TO 21/64.				0.00	0.00	0.00	15
16	16	0.25	1362	0	19	700			CHANGE CHOKES TO 22/64.				0.00	0.00	0.00	16

TOTAL WELL EFFLUENTS PRODUCED

FLOW TIME		FLOW TIME		NUMBER		FLOW TIME/END		NUMBER	
FROM		TO		FOR RATE		FOR TEST UP TO		OF RATE	
900		1245							
GAS (MSCF)		302.7		OIL (BBL)		0.0		GAS (MSCF)	

OEC-865-1-C

TEST RESULTS

OEC-865-1-C

[illegible]

$$Q_g = C \sqrt{h_w} P_f$$

WHERE

$$C = F_{pv} \times F_b \times F_g \times F_{tf} \times F_{tb} \times F_{pb} \times F_r \times Y_2 \times F_m \times \text{UNIT CONVERSION FACTOR}$$

Q_g = CORRECTED GAS FLOW RATE

C = ORIFICE FLOW CONSTANT

h_w = DIFFERENTIAL PRESSURE ACROSS ORIFICE IN INCHES WATER @ 60°F

P_f = ABSOLUTE STATIC PRESSURE IN psi

AND

F_{pv} = SUPERCOMPRESSIBILITY FACTOR (CORRECTED FOR N_2 , H_2S , AND CO_2 EFFECTS ON FINAL REPORT, (IF DESIRED))

F_b = BASIC ORIFICE FACTOR

F_g = SPECIFIC GRAVITY FACTOR

F_{tf} = FLOWING TEMPERATURE FACTOR

F_{tb} = TEMPERATURE BASE FACTOR

F_{pb} = PRESSURE BASE FACTOR

F_r = REYNOLDS NUMBER FACTOR = 1

Y_2 = EXPANSION FACTOR FOR DOWNSTREAM PRESSURE TAP

F_m = MANOMETER FACTOR = 1

UNIT CONVERSION FACTOR = FACTOR CHANGING FLOW RATE UNITS

WE CAN UNITE $F_u = F_{tb} \times F_{pb} \times \text{UNIT CONVERSION FACTOR}$

(F_u FACTORS ARE GIVEN IN TABLE BELOW FOR DIFFERENT STANDARD CONDITIONS AND FLOW RATE UNITS)

$C_1 = F_u \times F_g$ (THEORETICALLY CONSTANT DURING TEST)

$C_2 = F_{pv} \times F_b \times F_{tf} \times Y_2$

THEN $C = C_1 \times C_2$

TABLE OF F_u FACTORS

STANDARD CONDITIONS	RATE OF FLOW UNITS	C_u Ft/HOURS	C_u Ft/DAY	M^3 /HOUR	M^3 /DAY
14.65 psi	60°F	1.0055	24.1311	0.0285	0.6834
14.73 psi	60°F	1	24	0.0283	0.6797
760 mm Hg	0°C	0.9483	22.7604	0.0269	0.6446
760 mm Hg	15°C	1.0004	24.0094	0.0283	0.6799
750 mm Hg	15°C	1.0137	24.3295	0.0287	0.6890



GAS FLOW RATE CALCULATIONS

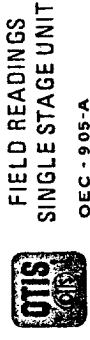
OEC-882-1-B

HIGH STAGE

TEST NUMBER		RATE NUMBER		AREA		WELL NAME OR NUMBER		DATE (DAY, MO, YR)		PAGE OF	
1						EDDY GR#2		16 AUG 79		1 1	
CUSTODY		STANDARD CONDITIONS		ATM. PRESS		T _c		MEAS.		GAS SPECIFIC GRAVITY-G	
GULF OIL COMPANY		14.73 PSI 60°F		X OTHER 15.03 PSI 60°F		665.8		389.3		0.701	
METER TYPE		FLOW RECORDER TYPE		H _W RANGE (INCHES WATER)		STATIC PRESS RANGE (PSI)		C ₁ = F _U X F _G		C ₂ = F _U X F _G	
DANIELS SR		BARTON 2 PEN		0-100		0-1500		1.1944		28.1022	
DAY		FLOW TIME		STATIC PRESSURE		DIFFERENTIAL PRESSURE		DOWN STREAM GAS TEMP.		ORIFICE SIZE	
(24 HR (CLOCK))		(HOURS)		(PSIA)		(INCHES WATER)		(°F)		(INCHES)	
1 16		0.25		715		8.0		72		75.61	
915											
2 16		0.25		715		10.0		73		84.54	
930											
3 16		0.25		715		10.0		78		84.54	
945											
4 16		0.50		715		8.0		83		75.61	
1000											
5 16		0.25		715		16.0		90		106.94	
1015											
6 16		0.25		715		16.0		93		106.94	
1030											
7 16		0.25		715		20.0		94		119.56	
1045											
8 16		0.50		715		20.0		91		119.56	
1100											
9 16		0.25		715		40.0		84		169.08	
1115											
10 16		0.50		715		40.0		81		169.08	
1130											
11 16		0.75		715		40.0		79		169.08	
1145											
12 16		1.00		715		40.0		78		169.08	
1200											
13 16		0.25		715		72.0		78		226.84	
1215											
14 16		0.25		715		74.0		78		229.97	
1230											
15 16		0.50		715		70.0		79		223.67	
1245											
16 16		0.75		715		73.0		78		228.41	
1300											
17											
18											

C ₂ = F _b X F _U X F _{SV} X Y ₂		C ₂		C	
F _b	F _U	F _{SV}	Y ₂	(C-C ₁ X C ₂)	Q _g = C √ h _w P _t
460.79	0.9887	1.0817	0.9999	492.709	13846
460.79	0.9877	1.0810	0.9998	491.942	13825
460.79	0.9831	1.0780	0.9998	488.258	13721
460.79	0.9786	1.0751	0.9999	484.709	13621
460.79	0.9723	1.0712	0.9997	479.841	13485
460.79	0.9697	1.0697	0.9997	477.843	13428
460.79	0.9688	1.0692	0.9997	477.154	13409
460.79	0.9715	1.0707	0.9997	479.140	13465
460.79	0.9777	1.0745	0.9994	483.759	13595
460.79	0.9804	1.0762	0.9994	485.869	13654
460.79	0.9822	1.0774	0.9994	487.299	13694
460.79	0.9831	1.0780	0.9994	488.021	13714
460.79	0.9831	1.0780	0.9998	487.768	13707
460.79	0.9831	1.0780	0.9998	487.752	13707
460.79	0.9822	1.0774	0.9989	487.062	13688
460.79	0.9831	1.0780	0.9988	487.760	13707

CORRECTED GAS FLOW RATE	
Q _g = C √ h _w P _t	(L/MSCFD)
1046.98	1
1168.	2
1159.98	3
1029.98	4
1441.98	5
1435.98	6
1603.16	7
1609.83	8
2298.59	9
2308.	10
2315.41	11
2318.84	12
3109.44	13
3152.23	14
3061.51	15
3130.91	16
	17
	18



FIELD READINGS
SINGLE STAGE UNIT
OEC - 905-A

TEST NO.	WELL NAME OR NUMBER	TEST UNIT DESCRIPTION	DATE (DAY, MO, YR.)	PAGE OF
1	EDDY GR#2	1MM BTU, 3 PHASE	16AUG79	1

CUSTOMER	FIELD	FORMATION	OIL METER SIZE	METER RANGE (BBL/S)
GULF OIL COMPANY	NORTH LOVING	MORROW	1.000	1

INTERVAL TESTED		BHP SURVEY DEPTH		GAS PRODUCED TO		GAS METER RUN		DIFF. RANGE (INS. H ₂ O)		STATIC PRESSURE TAKEN		OIL OR CONDENSATE METERING		WATER METERING									
TIME		WELLHEAD DATA		DOWNHOLE DATA		FLOW CONTROL		GAS METERING		GAS METERING		OIL OR CONDENSATE METERING		WATER METERING									
DAY	24 HOUR CLOCK	TUBING PRESS. (PSIG)	TEMP. (°F)	CASING PRESS. (PSIG)	BHP	BHT	MAN. CHOKE (64TH IN)	HEATER CHOKE (64TH IN)	ORIFICE SIZE (INS)	STATIC PRESS. (PSIG)	DIFF. PRESS. (IN H ₂ O)	TEMP. (°F)	GAS GRAVITY (AIR = 1)	#1 TANK OR METER READING (INS OR BBL)	#2 TANK OR METER READING (INS OR BBL)	#1 OIL TEMP (°F)	#2 OIL TEMP (°F)	OIL GRAVITY 9.50°F API	W/ BSW (%)	#1 TANK OR METER READING (INS OR BBL)	#2 TANK OR METER READING (INS OR BBL)	SALINITY (%)	
1	16	GAUGE TANK - 4'1/4"	0	0	0.0	0	0	0	0.000	0	0	0	0.000	0.00	0.00	0	0	0.00	1.0	1.0	0.00	0.00	1
900	0.00	3325	0	0	0.0	0	0	0	0.000	0	0	0	0.000	0.00	0.00	0	0	0.00	0.0	0.0	0.00	0.00	200
2	16	CHANGE CHOKE TO 8/64.	0	0	0.0	0	7	0	1.500	700	8	72	0.701	0.00	0.00	0	0	0.00	1.0	1.0	0.00	0.00	0.00
915	0.25	2640	0	0	0.0	0	7	0	1.500	700	8	72	0.701	0.00	0.00	0	0	0.00	0.0	0.0	0.00	0.00	0.00
3	16	CHANGE CHOKE TO 9/64.	0	0	0.0	0	8	0	1.500	700	10	73	0.701	0.00	0.00	0	0	0.00	1.0	1.0	0.00	0.00	0.00
930	0.25	2352	0	0	0.0	0	8	0	1.500	700	10	73	0.701	0.00	0.00	0	0	0.00	0.0	0.0	0.00	0.00	0.00
4	16		0	0	0.0	0	9	0	1.500	700	10	78	0.701	0.00	0.00	0	0	0.00	1.0	1.0	0.00	0.00	0.00
945	0.25	2110	0	0	0.0	0	9	0	1.500	700	10	78	0.701	0.00	0.00	0	0	0.00	0.0	0.0	0.00	0.00	0.00
5	16	END RATE 1, INCREASE TO 12/64.	0	0	0.0	0	9	0	1.500	700	8	83	0.701	0.00	0.00	0	0	0.00	1.0	1.0	0.00	0.00	0.00
1000	0.50	1961	0	0	0.0	0	9	0	1.500	700	8	83	0.701	0.00	0.00	0	0	0.00	0.0	0.0	0.00	0.00	0.00
6	16	CHANGE CHOKE TO 14/64.	0	0	0.0	0	12	0	1.500	700	16	90	0.701	0.00	0.00	0	0	0.00	1.0	1.0	0.00	0.00	0.00
1015	0.25	1430	0	0	0.0	0	12	0	1.500	700	16	90	0.701	0.00	0.00	0	0	0.00	0.0	0.0	0.00	0.00	0.00
7	16	CHANGE CHOKE TO 13/64.	0	0	0.0	0	14	0	1.500	700	16	93	0.701	0.00	0.00	0	0	0.00	1.0	1.0	0.00	0.00	0.00
1030	0.25	1665	0	0	0.0	0	14	0	1.500	700	16	93	0.701	0.00	0.00	0	0	0.00	0.0	0.0	0.00	0.00	0.00
8	16		0	0	0.0	0	13	0	1.500	700	20	94	0.701	0.00	0.00	0	0	0.00	1.0	1.0	0.00	0.00	0.00
1045	0.25	1848	0	0	0.0	0	13	0	1.500	700	20	94	0.701	0.00	0.00	0	0	0.00	0.0	0.0	0.00	0.00	0.00
9	16	END RATE TWO, CHANGE CHOKE TO 14/64.	0	0	0.0	0	13	0	1.500	700	20	91	0.701	0.00	0.00	0	0	0.00	1.0	1.0	0.00	0.00	0.00
1100	0.50	1898	0	0	0.0	0	13	0	1.500	700	20	91	0.701	0.00	0.00	0	0	0.00	0.0	0.0	0.00	0.00	0.00
1016	0.25	1871	0	0	0.0	0	14	0	1.500	700	40	84	0.701	0.00	0.00	0	0	0.00	1.0	1.0	0.00	0.00	0.00
1115	0.25	1871	0	0	0.0	0	14	0	1.500	700	40	84	0.701	0.00	0.00	0	0	0.00	0.0	0.0	0.00	0.00	0.00
1116			0	0	0.0	0	14	0	1.500	700	40	81	0.701	0.00	0.00	0	0	0.00	1.0	1.0	0.00	0.00	0.00
1130	0.50	1862	0	0	0.0	0	14	0	1.500	700	40	81	0.701	0.00	0.00	0	0	0.00	0.0	0.0	0.00	0.00	0.00
1216			0	0	0.0	0	14	0	1.500	700	40	79	0.701	0.00	0.00	0	0	0.00	1.0	1.0	0.00	0.00	0.00
1145	0.75	1862	0	0	0.0	0	14	0	1.500	700	40	79	0.701	0.00	0.00	0	0	0.00	0.0	0.0	0.00	0.00	0.00
1316	END RATE THREE, CHANGE CHOKE TO 18/64.	0	0	0	0.0	0	14	0	1.500	700	40	78	0.701	0.00	0.00	0	0	0.00	1.0	1.0	0.00	0.00	0.00
1200	1.00	1885	0	0	0.0	0	14	0	1.500	700	40	78	0.701	0.00	0.00	0	0	0.00	0.0	0.0	0.00	0.00	0.00
1416	CHANGE CHOKE TO 19/64.	0	0	0	0.0	0	18	0	1.500	700	72	78	0.701	0.00	0.00	0	0	0.00	1.0	1.0	0.00	0.00	0.00
1215	0.25	1600	0	0	0.0	0	18	0	1.500	700	74	78	0.701	0.00	0.00	0	0	0.00	0.0	0.0	0.00	0.00	0.00
1516			0	0	0.0	0	19	0	1.500	700	74	78	0.701	0.00	0.00	0	0	0.00	1.0	1.0	0.00	0.00	0.00
1230	0.25	1422	0	0	0.0	0	19	0	1.500	700	70	79	0.701	0.00	0.00	0	0	0.00	0.0	0.0	0.00	0.00	0.00
1616			0	0	0.0	0	19	0	1.500	700	70	79	0.701	0.00	0.00	0	0	0.00	1.0	1.0	0.00	0.00	0.00
1245	0.50	1362	0	0	0.0	0	19	0	1.500	700	73	78	0.701	0.00	0.00	0	0	0.00	0.0	0.0	0.00	0.00	0.00
1716	GAUGE TANK-4'2", END OF RATE FOUR.	0	0	0	0.0	0	19	0	1.500	700	73	78	0.701	0.00	0.00	0	0	0.00	1.0	1.0	0.00	0.00	0.00
1300	0.75	1362	0	0	0.0	0	19	0	1.500	700	73	78	0.701	0.00	0.00	0	0	0.00	0.0	0.0	0.00	0.00	0.00

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Form C-105
Revised 11-1-78

NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED

AUG 29 1979

1. TYPE OF WELL **O.C.C.**

OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER **ARTESIA, OFFICE**

2. TYPE OF COMPLETION

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER

2. Name of Operator **GULF OIL CORPORATION**

3. Address of Operator **P.O. Box 670, Hobbs, NM 88240**

4. Location of Well

UNIT LETTER **G** LOCATED **1550** FEET FROM THE **North** LINE AND **1780** FEET FROM

THE **East** LINE OF SEC. **16** TWP. **23S** RGE. **28E** NMPM

15. Date Spudded **4-23-79** 16. Date T.D. Reached **6-25-79** 17. Date Compl. (Ready to Prod.) **7-27-79** 18. Elevations (DF, RKB, RT, GR, etc.) **3024' GL** 19. Elev. Casinghead **---**

20. Total Depth **12,901'** 21. Plug back T.D. **12,590'** 22. If Multiple Compl., How Many **Single** 23. Intervals Drilled By **0-12,901'** 24. Cable Tools **---**

24. Producing Interval(s), of this completion - Top, Bottom, Name **Morrow 12,142' to 12,364'**

25. Type Electric and Other Logs Run **GR-CNL-FDC; GR-DLL/RXO**

26. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB. FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
16"	65#	418'	20"	600 sx - circ.	
10-3/4"	51# & 40.5#	2,710'	14-3/4"	1300 sx - circ.	
7-5/8"	26.4# & 29.7#	10,100'	9 1/2"	850 sx - TSITOC @ 5300'	

27. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
5" 15#	9708'	12,900'	500	

28. Perforation Record (Interval, size and number) **12,142-148' & 12,361-364' w/(2) 1/2" JHPF**

29. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
12,142-12,364'	7500 gal 10% slick Morrow type acid & 48 RCNBS

30. PRODUCTION

Date First Production **7-27-79** Production Method (Flowing, gas lift, pumping - Size and type pump) **Flowing** Well Status (Prod. or Shut-in) **Shut-in**

Date of Test	Hours Tested	Stroke Size	Prod'n. Per Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
8-16-79	24 hrs	19/64		16	3945	0	246,563

Flowing Test	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)
1362#	0#		16	3945	0	53°

31. Disposition of Gas (Sold, used for fuel, vented, etc.) **Vented**

32. List of Attachments

I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED **N. B. Sikes Jr** TITLE **Area Engineer** DATE **8-28-79**

INSTRUCTIONS

6

This form is to be filed with the appropriate District Office of the Commission not later than 30 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn 11,250	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt	T. Atoka 11,614	T. Pictured Cliffs	T. Penn. "D"
T. Yates	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres	T. Simpson	T. Gallup	T. Ignacio Qtzite
T. Glorieta	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blinberry	T. Gr. Wash	T. Morrison	T.
T. Tubb	T. Granite	T. Todilto	T.
T. Drinkard	T. Delaware Sand	T. Entrada	T.
T. Abo	T. Bone Springs 6528	T. Wingate	T.
T. Wolfcamp 9418	T. Barnett 12,802	T. Chinle	T.
T. Penn.	T. Morrow 12,070	T. Permian	T.
T. Cisco (Bough C)	T. Bell Canyon 2540	T. Penn. "A"	T.

OIL OR GAS SANDS OR ZONES

No. 1, from 11,563 to 11,568	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 to feet	
No. 2, from to feet	
No. 3, from to feet	
No. 4, from to feet	

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
2,500	6,528	4,028	Sand, shale, limestone, dolomite				
6,528	9,418	2,890	Sand, shale, limestone, dolomite				
9,418	11,250	1,832	Limestone, shale				
11,250	11,614	364	Limestone, shale, sand				
11,614	12,070	456	Limestone, shale, sand				
12,070	12,802	732	Limestone, sand, shale				
12,802	12,901	99	Siltstone, shale				

WELL NAME AND NUMBER W-1 State No. 2LOCATION Unit Letter G, 1550' FNL & 1700' FNL of Section 16, T38S, R28E
(Give Unit, Section, Township and Range)OPERATOR GULF OIL CORPORATIONDRILLING CONTRACTOR Sharp Drilling Co.

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above-described well and that he has conducted deviation tests and obtained the following results:

Degrees @ Depth	Degrees @ Depth	Degrees @ Depth
<u>1/4 150</u>	<u>1 1/2 1769</u>	<u>1/2 4490</u>
<u>1/4 278</u>	<u>2 1/2 1894</u>	<u>3/4 4920</u>
<u>1/2 425</u>	<u>2 1/4 1936</u>	<u>3/4 5422</u>
<u>3/4 650</u>	<u>2 1/4 2000</u>	<u>1 3/4 5918</u>
<u>3/4 740</u>	<u>3 2080</u>	<u>1 6164</u>
<u>3/4 826</u>	<u>3 2146</u>	<u>1 6595</u>
<u>1/2 920</u>	<u>2 1/2 2170</u>	<u>1 6850</u>
<u>1/2 1010</u>	<u>2 1/2 2249</u>	<u>1 1/4 7314</u>
<u>3/4 1100</u>	<u>2 3/4 2330</u>	<u>1 1/2 7776</u>
<u>3/4 1190</u>	<u>2 2406</u>	<u>3/4 8250</u>
<u>1 1265</u>	<u>1 1/4 2520</u>	<u>1/2 8520</u>
<u>3/4 1355</u>	<u>3/4 2710</u>	<u>3/4 8980</u>
<u>1/2 1454</u>	<u>3/4 3160</u>	<u>3/4 9477</u>
<u>1 1540</u>	<u>3/4 3590</u>	<u>1 9699</u>
<u>3/4 1640</u>	<u>1/2 4060</u>	<u>1 10100</u>

Drilling Contractor SHARP DRILLING CO. INC.By: R.E. Cross, Jr.Subscribed and sworn to before me this 9 day of JULY, 1979Pat Buchanan
Notary PublicMy Commission Expires: JUNE 30, 1980MIDLAND County TEXAS

MIDLAND County TEXAS