

New Mexico

New Mexico

STATE: _____
OPERATOR: _____ HEYCO

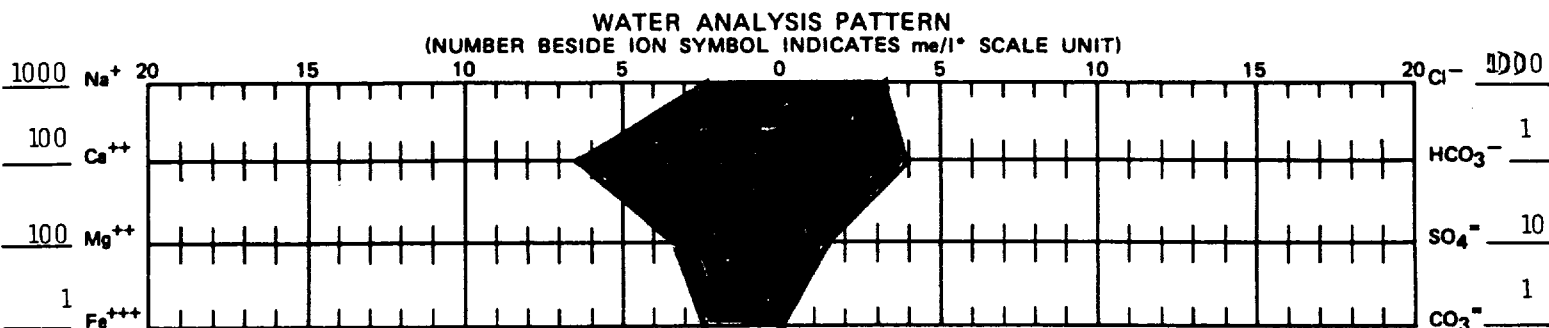
DATE COMPLETED:

DATE COMPLETED:

REFUSED TO SIGN
CLOSED
CASE NO. 9059

WATER ANALYSIS REPORT

COMPANY HEYCO						ANALYSIS NUMBER 0906	
COMPANY ADDRESS						DATE 5-24-85	
FIELD YOUNG DEEP				COUNTY OR PARISH LEA		STATE NM	
LEASE OR UNIT HONDO		WELL(S) NAME OR NO. 4-1		WATER SOURCE (FORMATION)			
DEPTH, FT.	BHT, °F	SAMPLE SOURCE	TEMP, °F	WATER, BBL/DAY	OIL, BBL/DAY	GAS, MMCF/DAY	
DATE SAMPLED 5-21-85		TYPE OF WATER ☒ PRODUCED ☐ SUPPLY ☐ WATERFLOOD ☐ SALT WATER DISPOSAL					


DISSOLVED SOLIDS

CATIONS	me/l*	mg/l*
Total Hardness	960	
Calcium, Ca ⁺⁺	640	12800
Magnesium, Mg ⁺⁺	320	3904
Iron (Total) Fe ⁺⁺⁺	2.2	40
Barium, Ba ⁺⁺	-----	-----
Sodium, Na ⁺ (calc.)	2268	52169

ANIONS

Chloride, Cl ⁻	3211	114000
Sulfate, SO ₄ ⁼	15.4	740
Carbonate, CO ₃ ⁼	-0-	-0-
Bicarbonate, HCO ₃ ⁻	4	244
Hydroxyl, OH ⁻	-0-	-0-
Sulfide, S ⁼	-0-	-0-

DISSOLVED GASES

Hydrogen Sulfide, H ₂ S	-0- mg/l*
Carbon Dioxide, CO ₂	158.4 mg/l*
Oxygen, O ₂	0.4 mg/l*

PHYSICAL PROPERTIES

pH	6.20
Specific Gravity	1.110
Total Dissolved Solids (calc.)	183857 mg/l*
Stability Index @ 20 °C	+0.43
CaSO ₄ Solubility @ 20 °C	18.5 me/l*
Max. CaSO ₄ Possible (calc.)	15.4 me/l*
Max. CaSO ₄ Possible (calc.)	me/l*

Residual Hydrocarbons _____ ppm(Vol/Vol)

TOTAL SOLIDS (QUANTITATIVE)
183897
REMARKS AND RECOMMENDATIONS:

 AT 20°C SLIGHT CARBONATE SCALING
 AT 20°C CALCIUM SULFATE SCALING IS UNLIKELY

*NOTE: me/l and mg/l are commonly used interchangeably for epn and ppm respectively. Where epn and ppm are used, corrections should be made for specific gravity.

MS-402

BAKER OIL TREATING REPRESENTATIVE JOHN CROKUM		ADDRESS		TELEPHONE	RES:
ANALYZED BY: BOB WALLACE		DATE 5-24-85	DISTRIBUTION		

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ARCO OIL & GAS
P.O. BOX 1610
ATTN: CHARLES ANDREWS
MIDLAND, TEXAS

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PROSPECT HONDO 4 FEDERAL #1
LOCATION 1980' FNL & 1980' FWL
- SEC. 4 T-18S R-31E
PROJECTED TD 12100
CONTRACTOR PETERSON DRILLING COMPANY

01/04/85 RU RT
01/05/85 DAY 1 OPER-DRLG DEPTH-265' PROG-265' FORM-SURF ROCK MW-9.0
VIS-32 PH-9 DRLG-6 HRS, REPAIRS-1 HR, RIG UP-17 HRS
SPUD AT 11:00 PM 1/4/85
01/06/85 DAY 2 OPER-DRLG DEPTH-737' PROG-472' FORM-ANHY DEV 3/4 DEG @
441' MW-9.1 VIS-32 PH-9 CL-2000 SOLIDS-6.2 DRLG-19 1/2 HRS,
TRIPS-3 1/2 HRS, REPAIRS-1 HR
01/07/85 DAY 3 OPER-DRLG DEPTH-930' PROG-193' FORM-ANHY & SALT MW-9.6
VIS-32 DRLG-4 1/4 HRS, TRIPS-1 1/2 HRS, RUN CSG-2 1/4 HRS,
CMT-2 HRS, WOC-12 HRS, DRLG CMT & FLOAT SHOE-1 HR
DC-\$15,052 CC-\$15,052
CSG REPORT- RAN 18 JTS 13 3/8" J-55 54.4# 757.98'
T.D. @ 754'.
CMT'D W/375 SXS HOWCO LT W/1/4# FLOCELE & 2% CACL2 & 300 SXS
CLASS "C" W/2% CACL2. PLUG DN @ 2:00 PM CIRC 200 SXS TO PIT
01/08/85 DAY 4 OPER-DRLG DEPTH-2095' PROG-1165' FORM-ANHY & SALT DEV
2 1/2 DEG @ 754', 2 1/4 DEG @ 1073', 2 1/4 DEG @ 1261', 1
3/4 DEG @ 148'', 1 1/2 DEG @ 1681', MW-10.3 VIS-30 PH-10 CL-
112,000 SOLIDS-2.6% DRLG 22 HRS, TOTCO-1 1/4 HR, CIRC-3/4 HR
DC-\$17,828 CC-\$32,880
01/09/85 DAY 5 OPER-DRLG DEPTH-2480' PROG-385' FORM-ANHY & DOLO DEV-
1/2 DEG @ 2146' MW-10.3 VIS-29 PH-9.5 CL-175,000 SOLIDS-3.2
DRLG-19 3/4 HRS, TRIPS-2 1/4 HRS, SER RIG-2 HRS,
DC-\$30,828 CC-\$63,708
01/10/85 DAY 6 OPER-DRLG DEPTH-2945' PROG-465' FORM-ANHY & SALT DEV-
3/4 DEG @ 2646' MW-10.2 VIS-30 PH-10 CL-170,000 SOLIDS-3.5
DRLG-23 1/4 HRS, TOTCO-1/2 HR, SER RIG-1/4 HR
DC-\$12,555 CC-\$76,263
01/11/85 DAY 7 OPER-DRLG DEPTH-3290' PROG-345' DEV 1/2 DEG @ 3128'
MW-10 VIS-30 PH-10 CL-170,000 SOLIDS-3.5% DRLG-23 1/2 HRS,
TOTCO-1/4 HR, WORK BOP-1/4 HR DC-\$12,595 CC-\$88,858
01/12/85 DAY 8 OPER-DRLG 3532' PROG-242' FORM-SD DEV 1 1/4 DEG @ 3341
MW-10.1 VIS-29 PH-8.5 CL-170,000 SOLIDS-2.8 DRLG-20 3/4 HRS,
TRIPS-3 1/4 HRS. DC-\$10,500 CC-\$99,358
01/13/85 DAY 9 OPER-DRLG DEPTH-3944' PROG-312' FORM-DOLO & SD MW-10.1
VIS-29 PH-9.5 CL-172,000 SOLIDS-2.8 DRLG-23 3/4 HRS, SER RIG
1/4 HR DC-\$8150 CC-\$107,508
01/14/85 DAY 10 OPER-DRLG DEPTH-4141' PROG-297' FORM-DOLO DEV 1 DEG @
3824' MW-10.1 VIS-30 PH-10 DRLG-23 1/2 HRS, TOTCO-1/2 HR
DC-\$9157 CC-\$116,665
01/15/85 DAY 11 OPER-DRLG DEPTH-4477' PROG-336' FORM-DOLO & SD DEV
1/4 DEG @ 4202' MW-10.3 VIS-30 PH-9.5 CL-139,000 SOLIDS-2.2%

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PETERSON DRILLING COMPANY

DRLG-20 1/2 HRS, TRIP FOR BIT-3 1/4 HRS, WORK BOP-1/4 HR
DC-\$8314 CC-\$124,979

01/16/85 DAY 12 OPER-DRLG DEPTH-4722' PROG-245' FORM-DOLO MW-10.1 VIS
30 PH-9 CL-174,000 SOLIDS-4% DRLG-19 3/4 HRS, TRIPS-4 HRS,
SER RIG-1/4 HR DC-\$9988 CC-\$134,967

01/17/85 DAY 13 OPER-DRLG DEPTH-4989' PROG-267' FORM-DOLO DEV 1 DEG @
4694 MW-10.1 VIS-30 PH-9.5 CL-174,000 SOLIDS-3.3 DRLG-23 1/2
HRS, TOTCO-1/4 HR, WORK BOP-1/4 HR DC-\$8503 CC-\$143,470

01/18/85 DAY 14 OPER-RUN 8 5/8" CSG DEPTH-5000' PROG-11' FORM-DOLO
DEV 1 DEG @ 5000' MW-10.2 VIS-31 PH-9 CL-176,000 SOLIDS-3.1
DRLG-1HR, TRIPS-4 HRS, CIRC-3 1/2 HRS, LOGGING-7 3/4 HRS,
LD DC-1 1/2 HRS, RUN 8 5/8" CSG-6 1/2 HRS.
DC-\$12,594 CC-\$156,064

01/19/85 DAY 15 OPER-DRLG DEPTH-5016' PROG-16' FORM-DOLO MW-9.4 VIS-
29 PH-9.5 DRLG-1 1/4 HR, TRIPS-3/4 HR, CIRC-6 HRS, RUN 8 5/8
CSG-1 HR, CMT-3 1/4 HRS, WOC-11 3/4 HRS
DC-\$74,957 CC-\$231,021

CSG REPORT- 74 JTS 8 5/8 32# J-55 ST&C
48 JTS 8 5/8 24# J-55 ST&C
SET @ 5000', DV TOOL @ 3017'

CMT 1ST STAGE-650 SXS CL "C" W/6# SALT, .3% CFR-2 & 1/4#/SX
FLOCELE PLUG DN @ 9:45 AM CIRC 60 SXS TO PIT.
2ND STAGE-1600 SXS HOWCO LITE III W/15#/SX SALT & 1/4#
/SX FLOCELE. TAILEND 200 SXS CLASS "C" W/2% CACL. PLUG DN @
2:00 PM CIRC. 120 SXS TO PIT.

01/20/85 DAY 16 OPER-DRLG DEPTH-5260' PROG-244' FORM-DOLO MW-8.4 VIS-
29 PH-9.5 DRLG-15 1/2 HRS, TRIPS-5 1/2 HRS REAM-3 HRS
DC-\$5862 CC-\$236,883

01/21/85 DAY 17 OPER-DRLG DEPTH-5612' PROG-352' FORM-LI DEV 1 3/4 DEG
@ 5483'. MW-8.4 VIS-30 PH-9.5 CL-154,000 SOLIDS-1.8 DRLG-23
1/4 HRS, TOTCO-1/2 HR, SER RIG-1/4 HR DC-\$6494 CC-\$243,377

01/22/85 DAY 18 OPER-DRLG DEPTH-5962' PROG-350' FORM-LI DEV 2 DEG @
5738', WIRELINE 2 1/2 DEG @ 5738' MW-8.4 VIS-29 PH-9 DRLG-22
3/4 HRS, TOTCO-1 HR, SER RIG-1/4 HR DC-\$9850 CC-\$253,227

01/23/85 DAY 19 OPER-DRLG DEPTH-6303' PROG-341' FORM-CHERT & LI DEV
2 DEG @ 5963', 2 DEG @ 6045', 2 DEG @ 6180' MW-8.4 VIS-29 PH
9 CL-11,500 SOLIDS-.6% DRLG-23 1/4 HRS, SER RIG-1/4 HR, REP-
1/2 HR DC-\$9820 CC-\$263,047

01/24/85 DAY 20 OPER-DRLG DEPTH-6600' PROG-297' FORM-LI & CH DEV 2
DEG @ 6171', 2 1/2 DEG @ 6238', 2 1/2 DEG @ 6336', 3 DEG @
6487', WIRELINE DEV-3 DEG @ 6550' MW-8.5 VIS-29 PH-9 DRLG-22
1/2 HRS, TOTCO-1 HR, SER RIG-1/4 HR, REPAIRS-1/4 HR

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DC-\$9649 CC-\$272,701

01/25/85 DAY 21 OPER-REAM TO BTM DEPTH-6630' PROG-30' FORM-LI & CH
DEV 3 DEG @ 6588' MW-8.5 VIS-29 PH-9.5 CL-24,000 SOLIDS-TR.
DRLG-3 3/4 HRS, TRIPS-3 1/2 HRS, TOTCO-1/2 HR, SER RIG-1 1/4
HR, TEST BOP-5 HRS, CUT DRLG LINE-1 HR, REAMING-9 HRS.
DC-\$7858 CC-\$280,55901/26/85 DAY 22, OPERATION DRLG, DEPTH 6940', PROG 310, FORM LI. DEV
2 1/2 DEG @ 6680', 2 DEG @ 6820', & 2 1/2 DEG @ 6885' (WL).
MW 8.5, VIS 29, PH 9.5. DRLG 22 1/2 HRS, TOTCO 1 HR,
REAMING 1/2 HR. DC - \$6880; CC - \$287,439.01/27/85 DAY 23, OPERATION TRIP FOR DST, DEPTH 7216', PROG 276, FORM
LI & SH, DEV 2 DEG @ 6981' & 2 DEG @ 7070'. MW 8.4, VIS 29,
PH 9, CL 21,000, SOL TRACE. DRLG 16 1/4 HRS, TRIPS 1/4 HR,
SERVICE RIG 1/4 HR, CIRC 7 1/4 HR. DC - \$8170;
CC - \$295,609. DST RESULTS: 7065' TO 7216', TOP PKR @ 7060
BOT PKR @ 7065'.

	TOP	BOT
IH	2670	3174
15" IF	13 - 26	81 - 135
30" ISI	2570	2594
90" 2ND FL	79 - 105	135 - 175
180" FSI	2544	2608
FH	2672	3185

REC 210' WTR W/TRACE OF OIL, BHT 108, SAMPLER 80#, .15 CF
GAS, 150 CC OIL, 2150 CC WTR.01/28/85 DAY 24, OPERATION DRLG, DEPTH 7257', PROG 41', FORM LI & SH,
DEV 2 DEG @ 7215'. MW 8.4, VIS 28, PH 9, CL 21,000, SOL
TRACE. DRLG 2 1/4 HRS, DST #1 21 3/4 HRS. DC - \$7354;
CC - \$302,963.01/29/85 DAY 25 OPER-DRLG DEPTH-7624' PROG-367' FORM-DOLO DEV 2 DEG @
7310', 2 DEG @ 7418' MW-8.4 VIS-28 PH-9 CL-16,000 SOLIDS-2.5
DRLG-22 1/2 HRS, SER RIG-1/2 HR REPAIRS-1 HR
DC-\$6264 CC-\$309,22701/30/85 DAY 26 OPER-DRLG DEPTH-7965' PROG-341' FORM-DOLO DEV 2 DEG @
7576', 1 DEG @ 7698(WL), 2 DEG @ 7792 MW-8.6 VIS-28 PH-9
DRLG-23 HRS, TOTCO-3/4 HR, SER RIG-1/4 HR
DC-\$10,753 CC-\$319,98001/31/85 DAY 27 OPER-DRLG DEPTH-8275' PROG-310' FORM-SD MW-8.6 VIS-28
PH-9 CL-38,000 SOLIDS-3.5 DRLG-16 HRS, TRIPS-6 3/4 HRS, SER
RIG-1/4 HR TEST BOP-1 HR DC-\$12,764 CC-\$332,74402/01/85 DAY 28 OPER-DRLG DEPTH-8685' PROG-410' FORM-DOLO DEV 1 1/4
DEG @ 8198 MW-8.5 VIS-28 PH-10 CL-38,000 SOLIDS-3.5%

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DRLG-23 1/4 HRS, SER RIG-3/4 HRS DC-\$9044 CC-\$341,788
02/02/85 DAY 29 OPER-DRLG DEPTH-9019' PROG-334' FORM-SD DEV-3/4 DEG @
8698' MW-8.5 VIS-28 PH-9.5 CL-24,000 SOLIDS-TRACE DRLG-21
1/2 HRS, SER RIG-1 3/4 HRS, INSTALL ROTARY HD-3/4 HRS
DC-\$10,745 CC-\$352,533
02/03/85 DAY 30 OPER-DRLG DEPTH-9450' PROG-441' FORM-DOLO DEV-3/4 DEG
@ 9200' MW-8.5 VIS-28 PH-9.5 CL-24,000 SOLIDS-TRACE DRLG-15
3/4 HRS, TRIPS-4 1/2 HRS, TOTCO-3/4 HR CIRC-3 HRS
DC-\$10,213 CC-\$362,746
02/04/85 DAY 31 OPER-DRLG DEPTH-9772' PROG-312' FORM-LI MW-8.5 VIS-29
PH-9.5 CL-15,000 SOLIDS-TRACE DRLG-19 1/4 HRS, SER RIG-1/4
HR, CIRC-2 3/4 HRS, REPAIRS-1 3/4 HRS DC-\$11,539 CC-\$374,285
02/05/85 DAY 32 OPER-DRLG DEPTH-9972' PROG-200' FORM-SH DEV-1 1/2 DEG
@9772' MW-8.5 VIS-31 PH-10.5 WL-12 FC-1/32 CL-23,000 SOLIDS-
.1% DRLG-13 3/4 HRS, TRIPS-10 1/4 HRS DC-\$8835 CC-\$383,120
02/06/85 DAY 33 OPER-DRLG DEPTH-10,321' PROG-349' FORM-SH MW-8.6 VIS-
33 PH-9.5 WL-14 FC-1/32 CL-23,000 DRLG-23 3/4 HRS, SER RIG-
1/4 HR DC-\$10,130 CC-\$393,250
02/07/85 DAY 34 OPER-DRLG DEPTH-10,517' PROG-196' FORM-SH DEV 1 3/4
DEG @ 10,270 MW-8.7 VIS-32 PH-9.5 WL-16.1 FC-1/32 CL-21,000
SOLIDS-1.4% DRLG-22 1/2 HRS, TOTCO-1 HR, SER RIG-1/2 HR
DC-\$9716 CC-\$402,966
02/08/85 DAY 35 OPER-DRLG DEPTH-10697' PROG-180' FORM-SH & LI MW-8.7
VIS-34 PH-100 WL-20 FC-1/32 CL-12,000 SOLIDS-1.8 DRLG-23 3/4
HRS, WORK BOP-1/4 HR DC-\$8748 CC-\$411,714
02/09/85 DAY 36, OPERATION TRIP FOR BIT, DEPTH 10,822', PROG 125',
FORM LI & SH. DEV 1 1/4 DEG @ 10769', 1 DEG @ 10822'.
MW 9, VIS 34, PH 10, WL 12, FC 1/32, CL 15,000, SOL 6.8%.
DRLG 15 1/2 HRS, TRIPS 5 1/2 HRS, TOTCO 3/4 HR, SERVICE RIG
1/4 HR, WORK BOP 1/4 HR, CUT DRLG LINE 1 3/4 HRS.
DC - \$5470; CC - \$417,184.
02/10/85 DAY 37, OPERATION DRLG, DEPTH 10,967', PROG 145', FORM LI &
SH. MW 9.1, VIS 37, PH 10, WL 12.8, FC 1/32, CL 15,000, SOL
8%. DRLG 21 1/4 HRS, TRIPS 2 1/2 HRS, SERVICE RIG 1/4 HR.
DC - \$4464; CC - \$421,648.
02/11/85 DAY 38, OPERATION DRLG, DPETH 11,136', PROG 169', FORM LI &
SH. MW 9.1, VIS 38, PH 10, WL 13.8, FC 1/32, CL 11,000, SOL
4.2%. DRLG 21 3/4 HRS, REPAIRS 2 1/4 HR. DC - \$5974;
CC - \$427,622.
02/12/85 DAY 39 OPER-DRLG DEPTH-11,276' PROG-140' FORM-LI & SH MW-9.2
VIS-42 PH-9.5 WL-12 FC-1/32 CL-9000 SOLIDS-5.4 DRLG-23 3/4
HRS, WORK BOP-1/4 HR DC-\$4701 CC-\$432,323

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02/13/85 DAY 40 OPER-DRLG DEPTH-11,442' PROG-166' FORM-LI MW-9.3 VIS-42 PH-9.5 WL-12 FC-1/32 CL-9000 SOLIDS-5.4% DRLG-23 3/4 HRS
SER RIG-1/4 HR DC-\$6652 CC-\$438,975

02/14/85 DAY 41 OPER-LOGGING DEPTH-11,520' PROG-78' FORM-LI DEV 1 1/2 DEG @11,520' MW-9.3 VIS-36 PH-9.5 WL-10.8 FC-1/32 CL-9000 SOLIDS-5.1% DRLG-10 1/2 HRS, TRIPS-6 3/4 HRS, CIRC-5 HRS, WORK BOP-1/4 HR, INSTALL ROTATING HD-3/4 HRS, LOGGING-3/4 HRS DC-\$4934 CC-\$443,909

02/15/85 DAY 42 OPER-DRLG DEPTH-11,607' PROG-77' FORM-LI MW-9.3 VIS-40 PH-9.5 WL-6.8 FC-1/32 CL-8600 SOLIDS-6% DRLG-11 1/4 HRS, TRIPS-4 HRS, LOGGING-8 3/4 HRS DC-\$26,772 CC-\$470,681

02/16/85 DAY 43 OPER-DRLG DEPTH-11,771' PROG-164' FORM-SD MW-9.3 VIS-41 PH-9.5 WL-9.8 FC-1/32 CL-7200 SOLIDS-6.4% DRLG-23 3/4 HRS
SER RIG-1/4 HR DC-\$3368 CC-\$474,049

02/17/85 DAY 44 OPER-DRLG DEPTH-11,873' PROG-102' FORM-SH DEV 1/2 DEG @ 11,862' MW-9.4 VIS-40 PH-9.5 WL-18.8 FC-1/32 CL-6000 SOLID 6.4% DRLG-13 1/2 HRS, TRIPS-8 3/4 HRS, SER RIG-1/4 HR, CIRC-1 1/2 HRS DC-\$5410 CC-\$479,459

02/18/85 DAY 45 OPER-DRLG DEPTH-11,971' PROG-98' FORM-LI &SH MW-9.4 VIS-35 PH-9 WL-1/32 CL-4000 SOLIDS-6% DRLG-22 1/4 HRS, SER RIG-3/4 HRS, REPAIRS-1 HR DC-\$4021 CC-\$483,480

02/19/85 DAY 46 OPER-SHORT TRIP DEPTH-12,030' PROG-59' FORM-LI & SH MW-9.2 VIS-39 PH-9.5 WL-8.9 FC-1/32 CL-4200 SOLIDS-6% DRLG-15 1/4 HRS, TRIPS-4 1/4 HRS, SER RIG-1/4 HR CIRC-4 1/4 HRS DC-\$7838 CC-\$491,318

02/20/85 DAY 47 OPER-GIH W/DP DEPTH-12,030' PROG-0 FORM-SH DEV-1/4 DEG @ 12,030' MW-9.2 VIS-39 PH-9.5 WL-8.9 FC-1/32 CL-4200 SOLIDS-6% TRIPS-7 1/4 HRS, SER RIG-3/4 HR, CIRC-2 1/4 HR LOGGING-12 HRS, WASH TO BOTTOM-1 3/4 HRS DC-\$6814 CC-\$498,132
LOGGERS TD @ 12,019

02/21/85 DAY 48 OPER-RUNNING 5 1/2" CSG, DEPTH-12,030' MW-9 VIS-60 PH-9.5 WL-8 FC-1/32 CL-4200 SOLIDS-4.1 TRIPS-4 HRS, CIRC-3 1/2 HRS, LAY DN DP & DC'S-8 1/2 HRS, RUN 5 1/2" CSG-8 HRS DC-\$165,181 CC-\$663,313

02/22/85 DAY 49 OPER-RIGGING DN PROG-O RUNNING CSG-4 HRS, CMT-4 HRS, RIGGING DN-9 HRS. DC-\$46,284 CC-\$709,597
CSG REPORT- 53 JTS 5 1/2" 17# S-95 LT&C
153 JTS 5 1/2" 17# N-80 LT&C
81 JTS 5 1/2" 17# J-55 LT&C
SET @ 12,030'. DV TOOL @ 10,506'.
CMT REPORT- 1ST STAGE 450 SXS CLASS "H" W/5# SX KCL, .5% CFR

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2, .5% H22A. PLUG DN @ 12:50 PM CIRC 6 HRS.
2ND STAGE 375 SXS HOWCO LITE W/5#/SX SALT, & 1/4
/SX FLOCEAL. 1100 SXS CLASS "H" W/6.5#/SX SALT & 3/4% CFR-2
PLUG DN @ 9:00 AM 2-21-85 RELEASE RIG @ 3:00 AM 2-22-8502/23/85 WO CU
02/24/85 WO CU
02/25/85 WO CU
02/26/85 WOCU
02/27/85 WO CU
02/28/85 WO CU
03/01/85 WO CU
03/02/85 WO CU
03/03/85 WO CU
03/04/85 WO CU
03/05/85 MI & RU CHASE PU & RENTAL EQUIP. RD TREE/RU BOP. GIH W/4 3/4
BIT, CSG SCRAPER, 4-DC'S & 2 3/8" N-80 TBG. TO 10,000' SDFN
DC-\$4450 CC-\$4450
03/06/85 RU COMPLETION RENTALS & STRT DRLG OUT DV TOOL @ 10,503. TEST
TO 1500#-OK. GIH TO 11,818. TAG UP ON CMT. DRILL TO 11,905'
& CIRC HOLE CLN. SDFN DC-\$3420 CC-\$7870
03/07/85 CONT DRLG FROM 11,905 TO 11,981' (FLOAT COLLAR @ 11,986')
CIRC HOLE W/2% KCL & PKR FLUID. POOH W/BIT, SCRAPER, DC'S &
TBG. SDFN DC-\$4500 CC-\$12,370
03/08/85 RU GEARHART & RUN GR/CBL/CCL FROM 11,957 TO 2300'. TOC-2690'
GIH W/VANN GUN SYSTEM, BAKER LOC-SET PKR, 1.50 PROFILE, ON/
OFF TOOL & 2 3/8" TBG. (TESTING TBG TO 8000#) SDFN
DC-\$9350 CC-\$21,720
03/09/85 CONT TESTING IN HOLE W/VANN GUN PERF ASSEMBLY. CORRELATE TO
PERF @ 11,786-790' W/4 SPF. SET PKR @ 11,710'. RD BOP/RU
TREE. DROP BAR TO PERF. WELL FLOWED 2 HRS ON 1/2" CK.
AVG FTP-40#. RU TO SWB, IFL-1000, FFL-2200' REC 61 BBLS OF
WTR SHOW OF GAS W/SWB SDFN DC-\$12,225 CC-\$33,945
03/10/85 SITP-160 (GD GAS) IFL-1700', REC 76 BBLS WTR FFL-1900'. GD
GAS ON SWB ONLY. SDFN DC-\$1100 CC-\$35,045
WATER SAMPLE 11786-11790

	3-9-85	3-10-85
RW	.13 @ 70 DEG	.13 @ 70 DEG
SP GR	1.04 @ 60 DEG	1.04 @ 60 DEG
PH	7.0	6.8
CA	1670	1665
MG	337	340
CL	35,000	36,000

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ARCO OIL & GAS
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MIDLAND, TEXAS

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PROSPECT LOCATION HONDO 4 FEDERAL #1
1980' FNL & 1980' FWL
SEC. 4 T-18S R-31E
PROJECTED TD 12100
CONTRACTOR PETERSON DRILLING COMPANY

S04	LITE	LITE
HCO3	458	430
T FE	LITE	LITE
KCL	NONE	NONE

03/11/85 SDF SUNDAY

03/12/85 RD TREE/RU BOP. UNSEAT PKR. CIRC HOLE W/2% KCL. POOH W/TBG,
PKR & GUNS. RU GEARHART & PERF 11,810-14 (4' 4 SPF-16 HOLES)
GIH W/ SEAT RETAINER @ 11,804'(WL) GIH W/STINGER & 2 3/8"
TBG SDFN DC-\$5750 CC-\$40,79503/13/85 CONTINUE IN HOLE W/STINGER & TBG. STING INTO RETAINER @
11,803'. RD BOP & RU TREE. RU TO SWB, IFL 900', REC 64
BBLs, FFL 11,800'. FAIR SHOW OF GAS. SDFN. DC - \$2259;
CC - \$43,054.03/14/85 SITP-650# (GD GAS) BLEW DN IN 15". RU SWB/IFL-10,250'/FFL-
11,800'. REC 8 BBLs IN 4 RUNS. RU HUGHES & ACID PERFS 11810-
14' W/500 GAL 7 1/2% SRA. FORM BROKE @ 7700. PUT ACID AWAY &
WELL COMMUNICATED TO UPPER PERFS. REV HL CLN, RD TREE/RU BOP
PULL OUT OF RETAINER. POOH W/TBG. GIH W/205 STANDS ON TBG
SDFN DC-\$4109 CC-\$47,16303/15/85 POOH W/TBG. RU GEARHART & SET CIBP @ 11,780'. PUT 10' CMT.
PERF MORROW LIME @ 11,752-56' (4 SPF) RD GEARHART. GIH W/
BAKER LOC-SET PKR, ON-OFF TOOL (1.50 PROFILE) & 2 3/8" TBG.
SET PKR @ 11,662'. RD BOP/RU TREE. SDFN
DC-\$9044 CC-\$56,20703/16/85 SITP-0 IFL-150' REC 72 BBLs FFL-SN(NO SHOWS)SDFN
DC-\$1675 CC-\$57,88203/17/85 SITP-0 IFL-11,200' REC 1 1/2 BBLs FFL-11,660' (NO SHOWS)
DC-\$1075 CC-\$58,957

03/18/85 SDF SUNDAY

03/19/85 SITP-0 IFL-11,662 REC NO FLUID. RU HUGHES & ACID PERFS
11,752-56' W/1000 GAL 15% SRA. FORM BROKE @ 5800. AVG RATE
1 BPM @ 5300. ISIP-5100, 5"-4800. TLTR-71 BBLs. IFL-SURF.
FFL-2000 REC 76 BBLs NO SHOWS. SDFN DC-\$4475 CC-\$63,43203/20/85 SITP-0 IFL-1400' FFL-1900' REC 88 BBLs (TRACE OF GAS IN
FRONT OF SWB) RD TREE/RU BOP. UNSET PKR & POOH. SDFN
DC-\$1675 CC-\$65,10703/21/85 SICP-0 RU GEARHART & SET CIBP @ 11,748' W/35'CMT. PERF
STRAWN PERFS @ 10,940-46', 10,950-54', 10,959-65' (2 SPF)
SD FOR WIND DC-\$8175 CC-\$73,282 WTR SAMPLE FROM PERFS
11,752-56'. RW .18 @ 70 DEG SP GR 1.03
PH 6.5 CA 1220
MG 270 CL 24000

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SO4	TRACE	HCO3	305
FE	MED.	KCL	NIL
NIT.	NIL		

03/22/85 GIH W/LOC-SET PKR, O/O TOOL (1.50 PROFILE) & 2 3/8" TBG.
 SET PKR @ 10,760'. RD BOP & RU TREE, IFL 750, FFL 10,200,
 REC 76 BBL (ALL WATER), GOOD GAS W/SWAB RUN. SDFN.
 DC - \$1675; CC - \$74,957.

03/23/85 SITP-155#(GD GAS) IFL-10,250. REC 2 BBLS OIL. RU HUGHES &
 ACID PERFS @ 10,940-65' W/4000 GAL 20% SRA & 70 BALL SEALERS
 TREATED @ 3.5 BPM @ 6600/GD BALL ACTION. ISIP-4700, 5"-4600
 RU TO REC 151 BBLS LOAD., IFL-SURFACE REC 104 BBLS FFL-9900'
 (5% OIL ON LAST RUN W/SWAB OF GAS) DC-\$8850 CC-\$83,807

03/24/85 SITP-320 (GD GAS) IFL-9550' REC 6 BBLS FFL-SN. FAIR GAS ON
 SWB RUNS. 100' FL ENTRY/HR. DC-\$1275 CC-\$85,082

03/25/85 SDF SUNDAY

03/26/85 SITP-400# GD GAS. IFL-7300. MADE 3 RUNS & SWB DRY. (TRACE OF
 OIL) RD TREE/RU BOB. LOAD HOLE W/2% KCL. UNSET PKR & POOH.
 RU GEARHART & SET CIBP @ 10,900'. DUMP 35' CMT (NEW PBTD-
 10,865') SDFN DC-\$1675 CC-\$86,757

03/27/85 RU GEARHART & PERF "C" ZONE @ 8558-64,8622-28 & 8648-53 (2
 SPF) GIH W/ MODEL R PKR, SN & 2 3/8" TBG TO 8664'. RU HUGHES
 & SPOT 200 GAL 20% SRA ACROSS PERFS. PULL PKR \$ SET @ 8440'
 & BREAK DN PERFS. BROKE @ 300#. PUT ACID AWAY. FINAL 1 1/2
 BPM @ 4200. ISIP-3500, 5"-500, 7"-VAC. RU TO REC 41 BBLS
 LOAD. IFL-650 FFL-4000. REC 30 BBLS-NO SHOWS. SDFN
 DC-\$10,427 CC-\$97,184

03/28/85 SITP-0 IFL-1400' REC 66 BBLS FFL-2800 (TRACE OF GAS) SDFN
 DC-\$1675 CC-\$98,859

03/29/85 SITP-25# IFL-1800. REC 4 BBLS (NO SHOWS) UNSET PKR & POOH
 W/TBG & PKR. RU GEARHART & SET CIBP @ 8545'. PUT 20' CMT ON
 PLUG (PBTD-8525') SDFN DC-\$1675 CC-\$100,534

03/30/85 RU GEARHART & PERF 8356,50,39,30,23,08,01 (7 HOLES-1 SPF)
 GIH W/PKR, SN & 2 3/8" TBG TO 8359'. RU HUGHES & SPOT 200
 GAL. PULL PKR TO 8214' & SET. BREAK DN & ACID W/4000 GAL
 7 1/2 % SRA & 20 BALL SEALERS. BROKE @ 3000. AVG RATE-3 BPM
 @ 3300, MAX-4 @ 5500, FINAL-4 @ 3400. ISIP-1800/5"-1700.
 (TLTR-133 BBLS) IFL-SURFACE FFL-8200. REC 36 BBLS. GOOD SHOW
 OF OIL & GAS ON LAST FEW SWB RUNS. SDFN
 DC-\$12,675 CC-\$113,209

03/31/85 SITP-180# (GD GAS) IFL-5200' FFL-8200. REC 17 BBLS (70% OIL
 GD GAS) UNSEAT PKR & POOH. RD BOP RU FRAC HEAD.
 DC-\$1675 CC-\$114,884

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SEC. 4 T-18S R-31EPROJECTED TD
CONTRACTOR12100
PETERSON DRILLING COMPANY

04/01/85 SDF SUNDAY

04/02/85 RU WESTERN & FRAC PERFS @ 8301-56' W/55,000 GAL EZ FRAC 60 &
120,000# 20/40 SAND. MAX RATE-30 BPM/AVG-28 @ 3500/FINAL-30
@ 3300. MAX PRESS-3800#. ISIP-1900, 15"-1600. TLTR-1630. SI
FOR 6 HRS. START REC LOAD. DC-\$75,495 CC-\$190,37904/03/85 WELL FLOWED BACK FOR 4 HRS & DIED. RD FRAC HD/RU BOP. GIH W/
TBG TO 8520 & CIRC HOLE. POOH W/TBG. RU GEARHART & PERF @
8250,40,29,02,8190,80,69,50,40,30,19,03 & 8080 (1 SPF/13
HOLES) GIH W/RBP, PKR & TBG SDFN DC-\$5960 CC-\$196,33904/04/85 SET RBP @ 8282' & TEST-HELD OK. RU HUGHES & SPOT 200 GAL
7 1/2% SRA @ 8251'. PULL PKR TO 7959 & SET. ACID W/4000 GAL
7 1/2% & 28 BALL SEALERS. PERFS BROKE @ 2800. MAX RATE-3.5
BPM @ 5000#, AVG-3 @ 3200, FINAL-3.5@ 3400. ISIP-1700, 5"
1600. TLTR-134 BBLs. IFL-SUR FFL-7900. REC 36 BBLs. GD SHOW
OF GAS & LAST RUN HAD 15% OIL. POOH W/TBG & PKR. SDFN
DC-\$7675 CC-\$204,01404/05/85 POOH W/2 3/8" TBG, SN, & PKR. ND BOP/NU FRAC HD. RU WESTERN
& FRAC PERFS 8080-8250') W/97,000 GAL WF-60 AND 226,000#
20/40 SAND @ 52 BPM. MAX PRESS-4000#, AVG-3600, MIN-2600.
MAX RATE-52 BPM, AVG-52 BPM, MIN-52 BPM. ISIP-1900#, 10"-
1700#, 15"-1700#. 2510 BLTR. SI FOR 3 HRS, SICP-1400#. OPEN
TO PIT & FLOWED BACK LOAD ALL NIGHT. DC-\$88,716 CC-\$292,73004/06/85 WELL FLOWED ALL NIGHT & STARTED CUTTING OIL AFTER 10 HRS
FLWG . RU HUGHES & KILL WELL W/1% KCL. RD FRAC HD, RU BOP.
GIH W/RET HD & TBG TO BP. CIRC HOLE CLN & RETRIEVE BP. POOH.
GIH W/MODEL "R" PKR, SN & 2 3/8" TBG SDFN
DC-\$3850 CC-\$296,58004/07/85 CONT IN HL W/PKR & TBG. CIRC HL CLN & SET PKR @ 7990' (247
JTS TBG) RD BOP/RU TREE. IFL-SURF MADE 8 RUNS & WELL KICKED
OFF FLOWING ON 28/64" CK-20 TO 40 FTP @ 18 BBLs/HR. REL
RENTAL EQUIP . TURN WELL OVER TO PROD. DC-\$1500 CC-\$298,08004/08/85 23-BO 35-BW 50# TP. STRTD FLWG TO FRAC TANK @ 3:30 PM
4/6/85

04/09/85 ESTIMATED 211-BO 223-BW 100# FTP

04/10/85 TP-180# 54-BO 13-BW

04/11/85 200-BO 83-BW IN 24 HRS TP-190# 24/64" CK

04/12/85 TP-200# 20/64" CK 309-BO 15-BW IN 24 HRS

04/13/85 20/64" CK 210#-TP 181-BO 19-BW

04/14/85 26/64" CK, 230#-TP 108-BO 8-BW

04/15/85 26-64" CK, 120#-TP 304-BO 12-BW

04/16/85 246-BO 14-BW

04/17/85 266-BO 13-BW 110# TP 26/64"CK

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CONTRACTOR12100
PETERSON DRILLING COMPANY

04/18/85 110#-TP 26/64" CK 344-BO 12-BW

04/19/85 DROPPED FROM REPORT UNTIL FURTHER NOTICE

07/11/85 TP-130 157-BO 0-BW.

09/20/85 MI & RU CHASE UNIT. RU HUGHES & KILL WELL. UNSET PKR & POOH
W/5 1/2" MOD "R" PKR & 2 3/8" TBG. RIH W/SN, 14 JTS 2 3/8"
TBG, 5 1/2" TBG ANCHOR & 247 JTS 2 3/8" TBG. SET ANCHOR @
7995', SN @ 8426'. ND BOP/NU WELL HEAD. SDFN DC-\$2450 CC-\$2450
09/21/85 RIH W/2' X 1 1/2" X 24' PUMP, 1-2' X 3/4" PONY ON TOP OF
PUMP, 204-3/4" RODS, 132-7/8" RODS, 1-4' X 7/8" PONY, 1-2' X
7/8" PONY, POLISH ROD. PUT WELL ON PROD SDFN
DC-\$860 CC-\$3310

09/22/85 0-BO 72-BW IN 20 HRS

09/23/85 175-BO 40-BW IN 24 HRS

09/24/85 151-BO 25-BW 11-SPM

09/25/85 167-BO 2-BW

09/26/85 147-BO 19-BW

09/27/85 155 BO, 17 BW

09/28/85 TREATED WELL

09/29/85 122-BO 0-BW

09/30/85 138-BO 0-BW DROPPED FROM REPORT UNTIL FURTHER NOTICE

06/12/86 MI & RU CHASE UNIT. POH W/ RODS & PMP.. RIH W/KNIFE &
CUT PARAFFIN. SDFN DC-1350

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PROSPECT
LOCATIONHONDO 4 FEDERAL #2
1980' FSL & 1980' FEL
SEC 4 T-18S R-31-EPROJECTED TD
CONTRACTOR8900
PETERSON DRILLING

06/15/85 DAY 1 OPER-RUNNING CSG DEPTH-450' PROG-450' FORM-SURF ROCK
DEV 1/2 DEG @ 450' MW-8.7 VIS-30 ACCIDENT-1 DRLG-9 1/2 HRS,
TRIPS-3/4 HRS, CIRC-1 HR RU & RUN CSG-1/4 HR. SPUD @ 6:30 PM
6/14/85

06/16/85 DAY 2 OPER-DRLG DEPTH-800' PROG-350' FORM-ANHY & SALT MW-8.4
VIS-28 PH-9 DRLG-7 1/2 HRS, RUN 13 3/8" CSG-2 HRS, CMT-1 HR
WOC-12 HRS, DRLG FLOAT COLLAR, SHOE & CMT-1 1/2 HRS
DC-\$32,434 CC-\$32,434

CSG REPORT-RAN 12 JTS 13 3/8" 54.5# J-55 476.35'
SET 450'

CMT REPORT-200 SXS LITE WATE III (13.5#/GAL & 1.57 YIELD)
1/4# CELLOFLAKE & 4% GEL, 2% CACL2 & 250 SXS
CLASS "C" W/2% CACL2 (14.8#/GAL & 13.2 YIELD)
CIRC 238 SXS TO PIT. PLUG DN @ 8:45 AM 6-15-85

TEST CSG TO 600# FOR 30"-HELD OK

06/17/85 DAY 3 OPER-DRLG DEPTH-1985' PROG-1185' FORM-ANHY & SALT DEV
3/4 DEG @ 935, 3/4 DEG @ 1420, 1 1/2 DEG @ 1908' MW-10 VIS-
29 PH-7 DRLG-20 1/4 HRS, TOTCO-3/4 HR, CIRC-3 HRS
DC-\$7380 CC-\$39,814

06/18/85 DAY 4 OPER-RUNNING 1" PIPE DEPTH-2101' PROG-116' FORM-ANHY &
DOLO DEV 3/4 DEG @ 2101'. MW-10 VIS-29 PH-7 DRLG-7 1/4 HRS,
TRIPS-1 1/2 HRS, SER RIG-1/4 HR, CIRC-1/2 HR RUNNING 8 5/8"
CSG-3 HRS, CMT'G-3 HRS, WOC-6 1/2 HRS, RUNNING TEMP SURVEY-1
HR, RUNNING 1" PIPE-1 HR. DC-\$30,045 CC-\$69,849
CSG REPORT- RAN 53 JTS 8 5/8" 24# J-55 2113'
SET @ 2101'.

CMT REPORT-100 SXS 12-3 RFC, 800 SXS LITE WATE III W/4% D-20
7#/SX SALT, 8#/SX KOLITE, 1/4#/SX CELLOFLAKE, 2% CACL.
PD @ 9:30 PM. DID NOT CIRC CMT. 200 SXS CLASS "C" W/2% CACL2
RAN TEMP SURVEY @ 3:30 AM. TOC @ 1300'

06/19/85 DAY 5 OPER-NU BOP DEPTH-2101' PROG-0 FORM-ANHY CMT'G & 1
INCHING-20 1/2 HRS, NU WELLHEAD-3 1/2 HRS
DC-\$58,450 CC-\$128,299

06/20/85 DAY 6 OPER-DRLG DEPTH-2551' PROG-450' FORM-ANHY MW-8.4 VIS-
28 PH-9 DRLG-13 3/4 HRS, TRIPS-1 HR, WELD ON HEAD/NU & TEST
BOP/1000# FOR 30"-5 1/4 HRS, DRLG CMT & FLOAT SHOE-4 HRS.
DC-\$8650 CC-\$136,949

7-1" STAGES W/TOTAL OF 875 SXS TO BRING CMT TO SURFACE

06/21/85 DAY 7 OPER-DRLG DEPTH-3201' PROG-650' FORM-ANHY DEV 1 DEG @
2581', 1 1/2 DEG @ 3083'. MW-8.4 VIS-28 PH-9 DRLG-23 1/4 HRS
TOTCO-1/2 HR, SER RIG-1/4 DC-\$11,075 CC-\$148,024

06/22/85 DAY 8 OPER-DRLG DEPTH-3654' PROG-453' FORM-DOLO DEV 1 DEG @

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PROJECTED TD 8900
CONTRACTOR PETERSON DRILLING

3300' MW-8.4 VIS-28 PH-9 CL-5000 DRLG-23 1/2 HRS, TOTCO-1/4
HR, SER RIG-1/4 DC-\$15,425 CC-\$163,449
06/23/85 DAY 9 OPER-DRLG DEPTH-4090' DEPTH-436' FORM-DOLO DEV 1 DEG @
3825' MW-8.4 VIS-28 PH-9 CL-11,000 DRLG-23 1/2 HRS, TOTCO-
1/4 HR, SER RIG-1/4 HR DC-\$13,250 CC-\$176,699
06/24/85 DAY 10 OPER-DRLG DEPTH-4655' PROG-565' FORM-DOLO & SD DEV
3/4 DEG @ 4295' MW-8.4 VIS-28 PH-9 CL-11,000 DRLG-23 1/2 HRS
SER RIG-1/4 HR, TOTCO-1/4 HR DC-\$12,050 CC-\$188,749
06/25/85 DAY 11 OPER-BIT TRIP DEPTH-5006' PROG-351' FORM-DOLO & SH
DEV 1 1/4 DEG @ 4776', 1 1/4 DEG @ 4924' MW-8.6 VIS-28 PH-9
CL-20,000 DRLG-22 HRS, TRIPS-1 HR, TOTCO-3/4 HR, SER RIG-1/4
HR DC-\$11,150 CC-\$199,629
06/26/85 DAY 12 OPER-DRLG DEPTH-5292' PROG-286' FORM-DOLO & SD DEV
1 1/4 DEG @ 5006', 1 3/4 DEG @ 5157', 2 DEG @ 5289' (WL)
MW-8.6 VIS-28 PH-9 CL-19,000 DRLG-19 HRS, TRIPS-4 HRS, TOTCO
1 HR DC-\$7375 CC-\$207,004
06/27/85 DAY 13 OPER-DRLG DEPTH-5587' PROG-295' FORM-DOLO & SD DEV
1 1/2 DEG @ 5350', 2 DEG @ 5444', 2 DEG @ 5476', 2 1/2 DEG @
5492', 2 DEG @ 5507' MW-8.5 VIS-28 PH-9 CL-19,000
DRLG-23 1/4 HRS, TOTCO-1/2 HR, SER RIG-1/4 HR
DC-\$5577 CC-\$212,581
06/28/85 DAY 14 OPER-DRLG DEPTH-5880' PROG-293' FORM-LI DEV 2 1/4 DEG
@ 5604', 3 DEG @ 5821' MW-8.6 VIS-28 PH-9 CL-19,000 DRLG-19
1/2 HRS, TRIPS-4 HRS, TOTCO-1/2 HR DC-\$5765 CC-\$218,346
06/29/85 DAY 15 OPER-DRLG DEPTH-6175' PROG-295' FORM-LI & CH DEV 2
DEG @ 5914', 2 DEG @ 6040, 2 DEG @ 6070, 2 DEG @ 6133, 3 DEG
@ 5945 (WL), 3 DEG @ 6123' (WL) MW-8.6 VIS-28 PH-9 CL-19,000
DRLG-22 3/4 HRS, TOTCO-1 HR, SER RIG-1/4 HR
DC-\$6044 CC-\$224,390
06/30/85 DAY 16 OPER-DRLG DEPTH-6525' PROG-350' FORM-LI DEV 2 3/4 DEG
@ 6342', 3 1/4 DEG @ 6429', 3 DEG @ 6509' MW-8.5 VIS-28 PH-9
CL-21,000 DRLG-22 3/4 HRS, TOTCO-1 HR, SER RIG-1/4 HR
DC-\$5443 CC-\$229,833
07/01/85 DAY 17 OPER-DRLG DEPTH-6840' PROG-315' FORM-LI & CH
DEV 2 3/4 DEG @ 6565, 3 DEG @ 6782, 2 DEG @ 6663, 2 DEG @
6695, 2 DEG @ 6727, 2 DEG @ 6759' MW-8.5 VIS-28 PH-9
CL-28,000 DRLG-22 3/4 HRS, TOTCO-1 HR, SER RIG-1/4 HR
DC-\$6945 CC-\$236,778
07/02/85 DAY 22 OPER-BIT TRIP DEPTH-7136' PORG-296' FORM-SH, LI &
CHERT DEV 3 1/4 DEG @ 7095' MW-8.5 VIS-28 PH-9.5 CL-21,000
DRLG-22 1/4 HRS, TRIPS-1 HR, TOTCO-1/2 HR, SER RIG-1/4 HR
DC-\$6455 CC-\$243,233

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07/03/85 DAY 19 OPER-DRLG DEPTH-7344' PROG-208' FORM-LI, CH & SH
DEV 3 1/4 DEG @ 7190, 3 DEG @ 7199, 3 1/2 DEG @ 7322' MW-8
VIS-29 PH-9 CL-21,000 DRLG-17 3/4 HRS, TRIPS-5 3/4 HRS,
TOTCO-1/2 HR DC-\$5882 CC-\$249,115

07/04/85 DAY 20 OPER-DRLG DEPTH-7605' PROG-261' FORM-LI & SH DEV 3
DEG @ 7342', 3 DEG @ 7409', 3 1/4 DEG @ 7565'. MW-8.5 VIS-28
PH-9 CL-19,000 DRLG-22 1/2 HRS, TOTCO-1 1/2 HR
DC-\$5223 CC-\$254,338

07/05/85 DAY 21 OPER-DRLG DEPTH-7858' PROG-253' FORM-DOLO DEV 3 3/4
DEG @ 7752' MW-8.5 VIS-28 PH-9 CL-19,000 DRLG-23 1/4 HRS,
TOTCO-1/2 HR SER RIG-1/4 HR DC-\$6230 CC-\$260,568

07/06/85 DAY 22 OPER-DRLG DEPTH-8116' PROG-258' FORM-DOLO & SH DEV 3
1/2 DEG @ 7888', 3 3/4 DEG @ 8000'. MW-8.5 VIS-28 PH-9 CL-
16,000 DRLG-22 3/4 HRS, TOTCO-1 HR, SER RIG-1/4 HR
DC-\$5640 CC-\$259,978

07/07/85 DAY 23 OPER-DRLG DEPTH-8443' PROG-327' FORM-DOLO DEV 3 3/4
DEG @ 8137', 3 DEG @ 8243' MW-8.5 VIS-28 PH-9 CL-16,000
DRLG-22 3/4 HRS, TOTCO-1 HR, SER ROG-1/4 HR
DC-\$5780 CC-\$265,758

07/08/85 DAY 24 OPER-REAMING TO BOTTOM DEPTH-8615' PROG-172' FORM-SD
& DOLO DEV 2 1/4 DEG @ 8446', 2 DEG @ 8615' MW-8.5 VIS-28 PH-
9 CL-16,000 DRLG-13 3/4 HRS, TRIPS-7 3/4 HRS, TOTCO-3/4 HR,
REAMING-1 3/4 HRS DC-\$6250 CC-\$272,008

07/09/85 DAY 25 OPER-CIRC FOR LOGS DEPTH-8860' PROG-245' FORM-SAND
MW-8.5 VIS-29 PH-9 CL-15,000 DRLG-15 1/2 HRS, TRIPS-1 1/2 HR
REAMING-4 1/2 HRS DC-\$4718 CC-\$276,726
TD @ 2:15 AM 7/9/85

07/10/85 DAY 26 OPER-RD & LOGGING CREW. DEPTH-8860' PROG-O' DEV 3
DEG @ 8860'. MW-8.5 VIS-28 PH-9 CL-15,000 TRIP 3 1/2 HR
CIRC-1/2 HR, LOGGING-20 HRS. DC-\$5326 CC-\$282,052

07/11/85 DAY 27 CIRC 6 1/4 HRS W/ DV TOOL. DEPTH 8860'. 1/2 HR RD
LOGGERS. 5 1/4 HRS LD DRILL PIPE & COLLAR. 5 1/2 HRS RUN
CSG. 3 3/4 HRS RU DOWELL & CMT (1ST STAGE). DC-\$289,000
CC-\$310,952

07/12/85 DAY 28 CIRC-3 1/4 HRS, CMT 2ND STAGE-1 1/4 HR, NU WELL HEAD
& RD RIG-6 HRS. DC-\$146,000 CC-\$456,952

CSG REPORT	RAN 25 JTS	5 1/2"	17#	N-80	1047.57'
	1 JT	5 1/2"	17#	N-80	14.25'
	185 JTS	5 1/2"	17#	J-55	7810.53'
TOTAL OF	211 JTS	OF 5 1/2"	CSG		8872.53'

SET @ 8860' (MARKER JT @ 7000-7015') (DV TOOL @ 5309-12')
CMT REPORT

5132

HONDO OIL & GAS CO-ARCO
P.O. BOX 1610
ATTN: CHARLES ANDREWS
MIDLAND, TEXAS

79702

PROSPECT HONDO 4 FEDERAL #2
LOCATION 1980' FSL & 1980' FEL
- SEC 4 T-18S R-31-E
PROJECTED TD 8900
CONTRACTOR PETERSON DRILLING

1ST STAGE-300 SXS LW IV W/1/4#/SX CEL-FLAKE, 6#/SX SALT &
4% GEL. (MIXED @ 13.6/1.57 YD) 250 SXS SSI
W/1/4#/SX CEL-FLAKE (MIXED @ 14.8/1.54 YD)
PLUG DN @ 3:45 AM 7-11-85. CIRC FOR 6 HRS.

2ND STAGE-500 SXS LW IV W/SAME AS 1ST STAGE ADDITIVES, &
415 SXS SSI W/SAME AS 1ST STAGE ADDITIVES.
PLUG DN @ 10:30 AM 7-11-85. REL RIG @ 4:30 PM 7-11-85

07/13/85 WAITING ON COMPLETION UNIT.

07/14/85 WOCU

07/15/85 RU MACK CHASE PULLING UNIT & RENTAL EQUIPMENT. RD TREE/RU
BOP. GIH W/4 3/4" BIT, SCRAPER, 4 DC'S & 2 3/8" TBG TO 5000'
SDFN. DC:\$29,050 CC:\$29,050.07/16/85 RU COMPLETION RENTAL & DRLG OUT DV TOOL @ 5308'. TEST TO
1500#/15 MIN-OK. GIH TO 8795'. CLEAN OUT TO 8840'. CIRC HOLE
CLEAN W/1% KCL. RD COMPLETION RENTAL. POOH W/TBG & DRLG EQ.
SDFN.

DC:\$3,100 CC:\$32,150

07/17/85 FINISHED POOH W/TBG & DRLG EQUIP. RU PENGU & RAN CCL,CBL,GR
PROD LOGS FROM PBTD (8856') TO TOC (1050'). DV TOOL @ 5292'
& SHORT JT @ 6985-7000'. PERF 'C' ZONE @ 8690-8694' (2 SPF,
8 HOLES) GIH W/PKR,SN, & TBG. SDFN.

DC=\$7,650 CC=\$39,800

07/18/85 CON'T GIH W/PKR & TBG. SET PKR @ 8596'. RU TO SWAB.
IFL=200', FFL=8500'. REC 42 BBLs. NO FLUID ENTRY ON LAST
RUN. NO SHOWS. WATER SAMPLE SHOWS 2% KCL.

DC=\$4,200 CC=\$44,000

07/19/85 SITP=0. RU SWAB. IFL=8500. MADE 2 RUNS. REC NO FLUID.
RD SWAB. RU HUGHES. LOAD TBG. UNSEAT PKR. RUN PKR & TBG TO
8698'. SPOT 200 GALS 15% SRA. PULL PKR & SET @ 8596'. BROKE
FORMATION DOWN @ 1/4 BPM @ 3800#. PUT ACID AWAY @ 2 BPM @
4400#. ISIP=3900#, 5 MIN=3400#. RD HUGHES & RU SWAB. IFL=SURF
FFL=8500. 14 RUNS, REC 46 BBLs. TRACE OF OIL, FAIR SHOW OF
GAS. SWI. SDFN. DC=\$2,450 CC=\$46,45007/20/85 RU SWAB. IFL=7500'. REC 50' FLUID (1% OIL). TRACE OF GAS
AHEAD OF SWAB. LOAD TBG & POOH. RU PENGU & SET CIBP @ 8670'
& 17' CEMENT (PBTD=8653'). PERF BONE SPRINGS @ 8248,64,81,
90,8300,09,19,30,39,44,59,81, & 91' (1 SPF, 13 HOLES). GIH
W/5 1/2 PKR, SN, & 2 3/8" TBG. SDFN. DC=\$5,350 CC=\$51,80007/21/85 SPOT PKR @ 8392'. RU HUGHES & SPOT 200 GAL 7-1/2% SRA. PULL
PKR & SET @ 8159'. BROKE FORMATION DOWN @ 1/4 BPM @ 2500#.
ACIDIZE W/3000 GAL ACID & 26 BALLSEALERS. MAX PRES=5500#
(BALLED OUT), AVG PRES=3300#. MAX RATE=4.5 BPM, AVG RATE=4.0

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PROJECTED TD 8900
CONTRACTOR PETERSON DRILLING

BPM. ISIP=1600#, 10 MIN=1500#. RU TO REC LOAD (TLTR=115).
IFL=SURF, FFL=8140'. REC 46 BBLS. GOOD SHOW OF GAS & 15% OIL
CUT. 300' FLUID ENTRY IN 1 HR. SDFN. DC=\$4,650 CC=56,450

07/22/85 SDF SUNDAY

07/23/85 SITP-0#. IFL-5700'. MADE 1 RUN & REC 4 BBLS 100% OIL W/GOOD
GAS. POOH W/TBG & PKR. RU FRAC HEAD & HOWCO TO FRAC PERFS @
8248-8391' W/130000 GAL BS FRAC 60 W/310000# 20/40 SAND.
MAX PRES-4080#, AVG PRES-3200#, FINAL PRES-3800#.
MAX RATE-60 BPM, AVG RATE-52 BPM, FINAL RATE-58 BPM.
ISIP-1870#, 15 MIN-1750#, TLTR-3230 BBLS.

RD HOWCO & RU TO REC LOAD. SI FOR 2 HRS. START FLOW BACK @
2:00 PM. FLOW BACK ALL NIGHT. DC=\$77,550 CC=\$134,000
07/24/85 WELL DIED OVERNIGHT. 7:00 AM-RD FRAC HEAD, RU BOP. GIH W/TBG
TO 8570'. CIR SAND & CLEAN OUT TO 8650' (PBD). POOH W/TBG.
GIH W/MODEL 'R' PKR, SN, & TBG TO 8151'. SDFN.
DC=\$2,450 CC=\$136,450

07/25/85 RU HUGHES & PUMP PKR FLUID. SET PKR @ 8151' (263 JTS OF
2 3/8" TBG). TEST PKR TO 500#/15 MIN - HELD OK. RD BOP & RU
TREE. RD PULLING UNIT. RU SWAB UNIT. IFL-SURF. MADE 20 RUNS
& REC 81 BBLS W/GOOD SHOW OF GAS. SDFN.
DC=\$2,750 CC=\$139,200

07/26/85 SITP-100# (GOOD GAS). RU SWAB. IFL-500'. MADE 36 RUNS.
FFL-800'. REC 129 BW & 19 BO W/GOOD GAS CONSTANTLY. SDFN.
DC=\$1,065 CC=\$140,265

07/27/85 SITP-450# IFL-SURFACE FFL-800'. MADE 26 RUNS. REC 150-BW &
17-BO (10% OIL CUT) SDFN DC-\$1050 CC-\$141,315

07/28/85 SITP-520# IFL-SURF FFL-300. MADE 32 RUNS. REC 110-BW & 63-BO
(30% OIL CUT) SDFN DC-\$1050 CC-\$142,365

07/29/85 SITP-600#. PUT ON 24/64" CK. FLOWED TILL NOON. (REC 53-BO &
12-BW) HOOK TO BATTERY @ 3:00 PM. FLOWING ON 24/64" CK FTP-
185# + OR - 10BBLS/HR. 85% OIL CUT. LEAVE WELL FLOWING TO
BATTERY OVERNIGHT. DC-\$1050 CC-143,415

07/30/85 WELL FLOWING ON 24/64" CK @ FTP-160#. REL ALL RENTAL EQUIP.
20 HR FLOW TEST-110 BBLS OIL, 60 BBLS WTR. TURN OVER TO
PRODUCTION. DC-\$250 CC-\$143,665

08/01/85 140#-TP 241-BO 25-BW

08/02/85 TP-120# 225-BO 40-BW

08/03/85 60# TP 165-BO 13-BW

08/04/85 100#-TP 195-BO 14-BW

08/05/85 100#-TP 150-BO 20-BW

08/06/85 NO REPORT AVAIL

08/07/85 8/6/85 167-BO 0-BW 90#-TP

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PROSPECT
LOCATIONHONDO 4 FEDERAL #2
1980' FSL & 1980' FEL
SEC 4 T-18S R-31-EPROJECTED TD
CONTRACTOR8900
PETERSON DRILLING

8/7/85 152-BO 8-BW 90#-TP

08/08/85 177-BO 0-BW 60#-TP FILLING TREATER

08/09/85 167-BO 0-BW

08/10/85 TP 110#, 141 BO & 0 BW.

08/11/85 TP 90#, 182 BO & 3 BW.

08/12/85 TP 110#, 184 BO & 8 BW.

08/13/85 181 BO, 7 BW

08/14/85 TP 90#, 177 BO, 5 BW.

08/15/85 161 BO, 3 BW, TP=90#.

08/16/85 176 BO, 11 BW, 100 MCF.

08/17/85 176-BO 16-BW TP-70#

08/18/85 156-BO 3-BW TP-80#

08/19/85 161-BO 4-BW TP-90#

09/07/85 RU HUGHES HOT OILER & KILL WELL W/50 BBLS 1% KCL. RU MASTER
WELL SERVICE. ND TREE/NU BOP. PULL 2 3/8" TBG & MOD "R" PKR
SDFN DC-\$1145 CC-\$114509/08/85 RUN SN, 11 JTS 2 3/8" TBG, TBG ANCHOR, 8150' TBG. SET TBG
ANCHOR W/14,000# TENSION. SN @ 8502', TBG ANCHOR @ 8150'.
RUN 2" X 1 1/2" X 24' PUMP, 205-3/4" RODS, 133-7/8" RODS (338
RODS) SPACE OUT PUMP. NU WELL HEAD & PUT BACK ON PROD.
DC-\$1650 CC-\$2795

09/09/85 110-BO 0-BW

09/10/85 110-BO 0-BW. PUMPING 8 SPM

09/11/85 122-BO 18-BW 8-SPM

09/12/85 133-BO 0-BW

09/13/85 133-BO 8-SPM

09/14/85 154-BO 10-SPM

09/15/85 255-BO 10-SPM

09/16/85 209-BO 10-SPM

09/17/85 118-BO 11-SPM

09/18/85 NO GAUGE AVAIL. EQUILIZED.

09/19/85 245-BO 8-SPM

09/20/85 216-BO 143-MCF 8-SPM

09/21/85 183-BO 0-BW 8-SPM

09/22/85 177-BO 0-BW 8-SPM

09/23/85 175-BO 0-BW 8-SPM

09/24/85 162-BO 0-BW 8-SPM

09/25/85 164-BO 0-BW

09/26/85 184-BO 0-BW

09/27/85 168 BO, 0 BW

09/28/85 TREATED WELL

09/29/85 56-BO

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PROSPECT
LOCATIONHONDO 4 FEDERAL #2
1980' FSL & 1980' FEL
SEC 4 T-18S R-31-EPROJECTED TD
CONTRACTOR8900
PETERSON DRILLING

09/30/85 133-BO DROPPED FROM REPORT UNTIL FURTHER NOTICE

92/22/85 177-BO 0-BW 8-SPM

11/11/86 MI & RU PU..REMOVE BENT POLISH ROD & POH W/ 16 TRIPLES..ROD
UNSCREWED & STRIPPED OFF BOTTOM 2 THREADS ON PEN END..PICKED
UP 2 7/8" RODS & GIH TO SCREW INTO FISH.. CAUGHT FISH & PULL
IN TENSION..RU HUGHES HOT OILER & HOT OILED BACKSIDE..PULLED
OUT OF HOLE W/ 12 RODS & SDFN..
DC-148011/12/86 RU HUGHES HOT OILER..PMP HOT KCL WTR DN ANNULUS..TRY TO
FINISH PULL RODS OOH..REC APPROX 5000' OF RODS, APPROX 3500'
OF RODS LEFT TO GET OUT..SDFN DC-3000 CC-4,48011/13/86 RODS ARE STUCK, PUMP HOT KCL STR DN CSG TO FREE RODS, FINISH
PULLING RODS, GIH W/ PARRIFFIN KNIFE, HIT PARRIFIN PLUG @
2400', COULD NOT GET THROUGH, PRESSURE UP TBG TO 3000#, COULD
NOT MOVE PLUG, PMP HOT OIL DN CSG W/ 3000# ON TBG, STILL
COULD NOT MOVE PLUG SDFN
DC-2,800 CC-7,28011/14/86 ND TREE NU BOP PULL 2000' OF TBG & STD IN DERRICK.LD & STEAM
CLEAN 63 JTS. GO BACK IN HOLE W/ TBG SDFN DC-1850
CC-9,13011/15/86 FINISH GIH W/ TBG..TBG ANCHOR@ 12,000# TENSION..ND BOP NU
WELLHEAD RAN 2" X 1 1/2" X 24' PMP. & RODS HANG ON AND PUT
BACK ON PROD. DC-1,850 CC-10,98011/16/86 WELL QUIT PUMPING OVERNIGHT RU HUGHES HOT OIL SERVICE &
PRESSURE TESTED TBG TO 500# TESTED GOOD..POH W/ RODS & PMP
CHANGED PMPS & RAN PUMP & RODS BACK IN HOLE..HANG ON AND PUT
BACK ON PROD DC-921.50 CC-11,901.50

FIELD: Tamano PI: 8 Hondo 4 Federal #3
 COUNTY: Eddy STATE: New Mexico
 LEASE: Bone Springs (2nd Sand) I.D./LOC: Sec 4, T-18S, R-31E OPERATOR: HEYCO
 RESERVOIR: Bone Springs (2nd Sand) PERMS: DATE COMPLETED:

MONTH	ALLOW.	OIL/GAS - BOELS			GAS - MCF			WATER - BOELS			O.O.R.			PRESSURE			Days	REMARKS
		DAILY	MONTHLY	CUMULATIVE	MONTHLY	CUMULATIVE	MONTHLY	DAILY	CUMULATIVE	°	B.P.M.	FT.	INT.	SEC.				
NOV.		120.0	2400	2400			843		843	26.0						20		
DEC.		92.4	2771	5171	414		466		1309	14.4						30		
TOTAL		85	5171		414		1309											
NOV.	3131	85	2456	7627	1272	1686	123	432	4.8	518						29		
DEC.	3131	169.7	1742	9369	1057	2743	131	1563	6.9	607						26		
JAN.	3131	49.1	1523	10892	895	3638	85	1648	5.2	588						31		
FEB.	3030	48.5	1456	12348	1488	5196	72	1720	4.7	1022						30		
MAR.	3131	52.5	1630	13978	1392	6508	62	1802	4.7	847						31		
APR.	3030	55.3	1658	15636	4875	10783	69	1871	4.0	2578						30		
MAY	3131	49	1534	17170	2318	13101	94	1965	5.8	151						31		
JUN.	3131	61	1879	19049	2896	15397	79	2044	4.0	1222						31		
JUL.	3030	47	1407	20456	1690	17087	47	2091	3.3	1201						30		
AUG.	3131	39.7	1232	21688	1731	18818	24	2175	6.8	1705						31		
SEP.																		
OCT.																		
NOV.																		
DEC.																		
JAN.																		
FEB.																		
MAR.																		
APR.																		
MAY																		
JUN.																		
JUL.																		
AUG.																		
SEP.																		
OCT.																		
NOV.																		
DEC.																		

4-Buppc

5132

HONDO OIL & GAS CO-ARCO
P.O. BOX 1610
ATTN: CHARLES ANDREWS
MIDLAND, TEXAS

79702

PROSPECT HONDO 4 FEDERAL #3
LOCATION 660' FSL & 660' FEL, SEC 4
- T-18S R-31E, EDDY COUNTY
PROJECTED TD 8830
CONTRACTOR PETERSON DRILLING

09/29/85 BUILDING LOCATION

09/30/85 BLDG LOCATION

10/01/85 DAY 1 OPER-DRLG DEPTH-400' PROG-400' FORM-RED BED & SURF
ROCK. MW-8.9 VIS-29 PH-7 DRLG-11 HRS. MI & RU-13 HRS.
NO COST AVAIL. SPUD @ 7:00 PM 9/30/85.10/02/85 DAY 2 OPER-DRLG DEPTH-905' PROG-505' FORM-SALT DEV 3/4 DEG @
400' MW-8.6 VIS-28 PH-8 CL-3000 DRLG-7 3/4 HRS, TRIPS-3/4 HR
RUN CSG-1 1/2 HRS, CIRC-1/2 HR, CMT & CIRC 59 SXS-3/4 HRS,
WOC & TEST BOP-12 HRS, DRLG CMT-3/4 HRS
DC-\$ 25,450 CC-\$25,450
CSG REPORT- RAN 10 JTS 13 3/8" J-55 54.5# 404.28'
SET @ 400'.10/03/85 DAY 3 OPER-DRLG DEPTH-2128' PROG-1223' FORM-ANHY & SALT
DEV 1 DEG @ 881', 1/2 DEG @ 1362, 1/2 DEG @ 1858' MW-10.3
VIS-29 PH-8 CL-80,000 DRLG-23 HRS, TOTCO-3/4 HRS, SER RIG-
1/4 HR DC-\$11,455 CC-\$36,90510/04/85 DAY 4 OPER-DRLG DEPTH-2363' PROG-235' FORM-ANHY DEV 1 3/4
DEG @ 2133' MW-8.4 VIS-28 PH-10 CL-4000 DRLG-4 1/2 HRS, TRIP
1 1/2 HRS, CIRC-1 HR RAN 8 5/8" CSG-2 HRS, CMT-1 3/4 HRS,
WOC-12 3/4 HRS, TEST BOP 1200# FOR 30"-OK.
DC-\$58,817 CC-\$90,722
RAN 71 JTS 24# J-55 ST&C 2141.60'10/05/85 DAY 5 OPER-DRLG DEPTH-3269' PROG-906' FORM-ANHY DEV 1 1/2
DEG @ 2613', 1 1/2 DEG @ 3104' MW-8.4 VIS-28 PH-9 CL-4000
DRLG-23 1/4 HRS, TOTCO-1/2 HR, SER RIG-1/4 HR
DC-\$6604 CC-\$97,37610/06/85 DAY 6 OPER-DRLG DEPTH-3862' PROG-593' FORM-DOLO DEV 3/4 DEG
@ 3600' MW-8.4 VIS-28 PH-9 CL-18,000 DRLG-23 1/2 HRS, TOTCO-
1/4 HR SER RIG-1/4 HR DC-\$14,618 CC-\$111,99410/07/85 DAY 7 OPER-DRLG DEPTH-4585' PROG-723' FORM-DOLO DEV 3/4 DEG
@ 4455' MW-8.4 VIS-28 PH-9 CL-18,000 DRLG-23 1/2 HRS, TOTCO-
1/2 HR DC-\$10,487 CC-\$122,48110/08/85 DAY 8 OPER-DRLG DEPTH-5262' PROG-677' FORM-DOLO & SD DEV 1
1/2 DEG @ 4949 MW-8.5 VIS-28 PH-9 CL-17,000 DRLG-23 1/4 HRS,
TOTCO-1/2 HR, SER RIG-1/4 HR DC-\$11,781 CC-\$134,262

10/09/85 DAY 9 OPER-DRLG DEPTH-5563' PROG-301' FORM-DOLO DEV 1 1/2

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LOCATIONHONDO 4 FEDERAL #3
660' FSL & 660' FEL, SEC 4
T-18S R-31E, EDDY COUNTYPROJECTED TD
CONTRACTOR8830
PETERSON DRILLING

DEG @ 5271', 2 3/4 DEG @ 5521' MW-8.5 VIS-28 PH-9 CL-15,000
DRLG-15 1/2 HRS, TRIPS-6 HRS, TOTCO-1 HR, SER RIG-1/2 HR,
WASH TO BOTTOM AFTER TRIP-1 HR DC-\$12,689 CC-\$146,951

10/10/85 DAY 10 OPER-DRLG DEPTH-6071' PROG-508' FORM-LI & DOLO
DEV 2 1/2 DEG @ 5614, 4 DEG @ 5861, 4 DEG @ 5956'. MW-8.5
VIS-28 PH-9 CL-27,000 DRLG-22 1/2 HRS, TOTCO-1 1/2 HRS
DC-\$8250 C-\$155,201

10/11/85 DAY 11 OPER-DRLG DEPTH-6327' PROG-256' FORM-LI DEV 4 1/2 DEG
@ 6050', 4 1/2 DEG @ 6118, 4 1/2 DEG @ 6176, 4 DEG @ 6237'
MW-8.5 VIS-28 PH-9 CL-27,000 DRLG-17 1/2 HRS, TRIP FOR NEW
BHA-4 1/4, TOTCO-2 HR, SER RIG-1/4 HR DC-\$12,249 CC-\$167,450

10/12/85 DAY 12 OPER-DRLG DEPTH-6658' PROG-331' FORM-LI DEV 3 1/2 DEG
@ 6299', 3 DEG @ 6372, 2 3/4 DEG @ 6460, 2 1/4 DEG @ 6580'
MW-8.5 VIS-28 PH-9 CL-27,000 DRLG-21 3/4 HRS, TOTCO-2 HRS,
SER RIG-1/4 HR DC-\$7184 CC-\$174,634

10/13/85 DAY 13 OPER-DRLG DEPTH-7010' PROG-352' FORM-LI DEV 2 1/4 DEG
@ 6735', 2 1/2 DEG @ 6924' MW-8.5 VIS-28 PH-9 CL-21,000
DRLG-22 3/4 HRS, TOTCO-1 HR, SER RIG-1/4 HR
DC-\$6827 CC-\$181,461

10/14/85 DAY 14 OPER-DRLG DEPTH-7242' PROG-232' FORM-LI DEV 2 1/4 DEG
@ 7111' MW-8.5 VIS-28 PH-9 CL-21,000 DRLG-16 1/2 HRS, TRIPS-
6 HRS, TOTCO-1/2 HR, SER RIG-1/4 HR DC-\$7252 CC-\$188,713

10/15/85 DAY 15 OPER-DRLG DEPTH-7541' PROG-299' FORM-LI, SH & CH DEV
3 DEG @ 7309', 2 3/4 DEG @ 7394', 2 DEG @ 7486' MW-8.5 VIS-
28 PH-9 CL-22,000 DRLG-22 1/4 HRS, TOTCO-1 1/2 HR, SER RIG-
1/4 HR, DC-\$4744 CC-\$193,457

10/16/85 DAY 16 OPER-DRLG DEPTH-7712' PROG-171' FORM-LI & SH
DEV 2 3/4 DEG @ 7583' MW-8.5 VIS-28 PH-9 CL-21,000
DRLG 13 3/4 HRS, TRIPS-9 HRS, TOTCO-1/2 HR, REPAIRS-3/4 HRS.
DC-\$6683 CC-\$200,140

10/17/85 DAY 17 OPER-DRLG DEPTH-7934' PROG-222' FORM-DOLO & SD DEV 2
1/4 DEG @ 7677, 2 1/4 DEG @ 7770' MW-8.5 VIS-28 PH-9
CL-20,000 DRLG-16 HRS, TRIPS-6 1/4 HRS, TOTCO-1 HR, SER RIG-
1/4 HR DC-\$5650 CC-\$205,790

10/18/85 DAY 18 OPER-DRLG DEPTH-8275' PROG-341' FORM-DOLO & SD DEV 2
1/2 DEG @ 8156' MW-8.5 VIS-28 PH-9 CL-20,000 DRLG-23 1/4 HRS
TOTCO-1/2 HR, SER RIG-1/4 HR DC-\$6250 CC-\$212,040

10/19/85 DAY 19 OPER-DRLG DEPTH-8581' PROG-306' FORM-DOLO & SD
DEV 1 3/4 DEG @ 8429' MW-8.6 VIS-28 PH-9.5 CL-20,000-DRLG-23
1/4 HRS, TOTCO-1/2 HR, SER RIG-1/4 HR DC-\$6311 CC-\$218,351

10/20/85 DAY 20 OPER-DRLG DEPTH-8920' PROG-339' FORM-DOLO & SD DEV 1
3/4 DEG @ 8676' MW-8.5 VIS-28 PH-9 CL-21,000 DRLG-23 1/4 HRS

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PROSPECT
LOCATIONHONDO 4 FEDERAL #3
660' FSL & 660' FEL, SEC 4
T-18S R-31E, EDDY COUNTYPROJECTED TD
CONTRACTOR8830
PETERSON DRILLING

TOTCO-1/2 HR, SER RIG-1/4 HR DC-\$5518 CC-\$223,869
10/21/85 DAY 21 OPER-LOGGING DEPTH-8938' PROG-18' FORM-LI & SD MW-8.5
VIS-28 PH-9 CL-21,000 DRLG-1 1/2 HRS, TRIPS-5 HRS, CIRC-4 HR
LOGGING-13 1/2 HRS DC-\$6132 CC-\$230,001
10/22/85 DAY 21 OPER-CIRC @ DV TOOL. DEPTH-8936' PROG-0 DEV 1 1/4 DEG
@ 8936' MW-8.6 VIS-29 PH-9 CL-21,000 TRIPS-3 1/4 HRS, CIRC-
3 1/4 HRS CUT DRLG LINE-1 HR, LAY DN DP-5 1/2 HRS, RU CSG
CREW-3/4 HR, RUNNING CSG-5 1/4 HRS, CMT-2 3/4 HRS, CIRC
THROUGH DV TOOL-1 3/4 HRS. DC-\$16,250 CC-\$246,251
10/23/85 DAY 23 OPER-RIGGING DN DEPTH-8936' PROG-0' CMT'G 2ND STAGE-2
1/4 HRS, RIG DN/SET SLIPS-6 HRS. DC-\$120,850 CC-\$367,101
RAN 214 JTS 5 1/2" 17# J-55 LT&C CSG. TOTAL OF 8957'.
SET CSG @ 8936'.
CMT 1ST STAGE W/250 SXS DLW IV W/6.9#/SX SALT & 1/4#/SX
CELLOFLAKE W/2% GEL. (MIXED @ 13.5#/GAL & 1.57 YD.)
TAIL END W/335 SXS SSI W/1/4#/SX CELLOFLAKE (MIXED @
14.8#/GAL & 1.54 YD.) PLUG DN @ 5:15 AM 10/22/85. CIRC
75 SXS TO PIT.
CMT 2ND STAGE W/550 SXS IV (SAME ADDITIVES AS 1ST STAGE) &
525 SXS SSI W/1/4#/SX CELLOFLAKE (MIXED 14.8#/GAL & 1.54
YD.) PLUG DN @ 1:30 PM 10/22/85.
REL RIG @ 7:30 PM 10/22/85.
10/24/85 WAITING ON PULLING UNIT.
10/25/85 WO CU
10/26/85 WAITING ON PULLING UNIT
10/27/85 WAITING ON PU
10/28/85 WO PU
10/29/85 MI & RU CHASE PU, RENTAL EQUIP & TBG. RU BOP & GIH W/4 3/4"
BIT, 4-DC'S & TBG TO 6000'. SDFN DC-\$3950 CC-\$3950
10/30/85 FINISH GIH W/4 3/4" BIT, 4-DC'S, 5 1/2" SCRAPER & 2 3/8" TBG
TAG UP ON DV TOOL @ 5760'. RU REVERSE UNIT & DRILL OUT DV
TOOL. TEST CSG TO 1500#/30 MIN-OK. RUN BIT TO 8890' & CIRC
HOLE W/1% KCL. POOH W/BIT & TBG. SDFN DC-\$3800 CC-\$3950
10/31/85 RU GEARHART & RUN CBL-CCL FROM 8870-2000'. TOC @ 2410'. DV
TOOL @ 5767-70'. MARKER JOINT @ 7535-49'. PBTD-8870'.
PERF 8493,83,73,65,62,40,14,8391,77,71,57,8302 & 8286' (1
SPF/13 HOLES) RD GEARHART. GIH W/5 1/2" MODEL "R" PKR, SN &
TBG TO 8000'. SDFN DC-\$4100 CC-\$8050
11/01/85 RU HUGHES & SPOT 250 GAL 7 1/2% SRA @ 8498'. SET PKR @ 8172'
BREAK DN PERFS @ 8286-8394'. BROKE @ 2500#. PUT ACID AWAY @
4 BPM @ 3200#. ACIDIZE W/3000 GAL 7 1/2% & 26 BALL SEALERS.
MAX PRESS-5500, AVG-3200, FINAL-3200. MAX, AVG & FINAL RATE-

5132

HONDO OIL & GAS CO-ARCO
P.O. BOX 1610
ATTN: CHARLES ANDREWS
MIDLAND, TEXAS

79702

PROSPECT
LOCATIONHONDO 4 FEDERAL #3
660' FSL & 660' FEL, SEC 4
T-18S R-31E, EDDY COUNTYPROJECTED TD
CONTRACTOR8830
PETERSON DRILLING

4 BPM. ISIP-1800, 5"-1700 (BALLED OUT TO 5500#) (TLTR-120)
IFL-SURF FFL-8170. REC 30 BBLS LAST 2 RUNS HAD 10% OIL CUT &
GOOD SHOW OF GAS. POOH W/TBG & PKR. RD BOP & RU FRAC HEAD.
SDFN DC-\$5100 CC-\$13,15011/02/85 RU DOWELL & FRAC PERFS 8286-8493' W/97,500 GAL EZ FRAC 60 &
235,000# 20/40 SAND. MAX PRESS-4200, AVG-3600, FINAL-3500.
MAX RATE-52 BPM, AVG-52, FINAL-52. ISIP-2250, 15"-2100 (TLTR
2528 BBLS) SWI. OPEN WELL FOR CLEAN UP. (1900# SIP) WELL
FLOWED ALL NIGHT TO PIT. DC-\$62,906 CC-\$76,05611/03/85 WELL HEADING. RU HUGHES & KILL WELL. RD FRAC HEAD, RU BOP.
GIH W/TBG TO 8700'. CIRC HOLE CLEAN W/1% KCL. POOH. GIH W/
MOD R PKR, SN & TBG. SET PKR @ 8172' SDFN
DC-\$1975 CC-\$78,031

11/04/85 SDF SUNDAY

11/05/85 SITP-0 IFL-SURFACE FFL-1500' REC 98 BBLS 30% OIL CUT AFTER
LUNCH W/GOOD SHOW OF GAS. LEAVE WELL ON 1/2" CK TO TEST TANK
OVERNIGHT. DC-\$1650 CC-\$79,68111/06/85 NO FLUID MADE OVER NIGHT. IFL-500' FFL-1500' REC 144 BBLS
35% OIL CUT W/GOOD GAS. LEAVE WELL OPEN ON 1/2" CK TO TANKS.
DC-\$1650 CC-\$81,33111/07/85 MADE 19 BBLS FLUID OVERNIGHT (HEADING) IFL-1500 MADE 3 RUNS
& REC 7-BO & 5-BW. FFL-1500'. POOH W/TBG & PKR. GIH W/SN, 12
JTS, TBG ANCHOR & 252 JTS TBG. SET ANCHOR @ 8204', SN @ 8582
RD BOP/RU WELL HEAD. SDFN DC-\$2450 CC-\$83,78111/08/85 GIH W/2" X 1 1/4" X 28' MERCURY ROD PUMP, 1-2' X 3/4" PONY,
202-3/4" RODS & 120-7/8" RODS, W/1-4' PONY. SPACED OUT &
CLAMPED OFF. RD RENTAL EQUIPMENT & WAITING ON PUMPING UNIT.
DC-\$1700 CC-\$85,481

11/09/85 MI PUMP JACK & START UP @ 2:30 PM 11/8/85

11/10/85 8-SPM. 3-BO 158-BW

11/11/85 101-BO 88-BW 30-MCF

11/12/85 122 BO, 61 MCF, 87 BW.

11/13/85 125-BO 61-MCF 52-BW

11/14/85 131 BO, 60 MCF, 28 BW.

11/15/85 147-BO 119-MCF 25-BW

11/16/85 NO TEST ON OIL. TANKS EQUALIZED. 119-BO

11/17/85 139-BO 75-MCF 5-BW

11/18/85 117-BO 75-MCF 22-BW

11/19/85 NO GAUGE AVAIL DUE TO PUMP CHG.

11/20/85 136-BO 67-MCF 27-BW 8-SPM 22 HOURS.

11/21/85 144-BO 27-BW. NO GAS TEST

11/22/85 TANKS EQUALIZED

5132

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MIDLAND, TEXAS

79702

PROSPECT
LOCATIONHONDO 4 FEDERAL #3
660' FSL & 660' FEL, SEC 4
T-18S R-31E, EDDY COUNTY-
PROJECTED TD
CONTRACTOR8830
PETERSON DRILLING

11/23/85 NO TEST AVAIL
11/24/85 NO TEST
11/25/85 122-BO 60-MCF 32-BW
11/26/85 126-BO 91-MCF 26-BW
11/27/85 NO TEST - TANKS EQUALIZED.
11/29/85 NO TEST TANKS EQUALIZED
11/30/85 NO TEST TANKS EQUALIZED
12/01/85 NO TEST TANKS EQUALIZED
12/02/85 101-BO 75-MCF 23-BW
12/03/85 125-BO
12/04/85 133-BO 14-BW
12/05/85 119-BO 78-MCF 15-BW
12/06/85 142-BO 124-MCF 10-BW
12/07/85 TANKS EQUALIZED
12/08/85 TANKS EQUALIZED.
12/09/85 142-BO 11-BW
12/11/85 TANKS EQUALIZED. 79-MCF 16-BW
12/12/85 128-BO 78-MCF 20-BW
12/13/85 NO REPORT AVAIL.
01/30/86 62-BO 57 MCF
01/31/86 83-BO 50-MCF

FIG. 8 Hondo 4 Federal #4

Eddy

New Mexico

FIELD: N. Shugart Bone Springs

COUNTY:

10/LOC: Sec. 4, T-18S, R-31E

STATE: OPERATOR: Harvey E. Yates Company

LEASE: Bone Springs

PERF.:

DATE COMPLETED:

OIL COND. - BBL.										GAS - MCF										WATER - BBL.										O.O.B.			PRESSURE			REMARKS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
MONTH	DAY	START	CUMULATIVE	MONTHLY	CUMULATIVE	MONTHLY	CUMULATIVE	%	B.P.M.	PT.	STP.	SH.	DAY	PT.	STP.	SH.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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6 B.P.U.

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HARVEY E. YATES COMPANY
401 N. COLORADO SUITE 202
MIDLAND, TEXAS 79701PROSPECT HONDO 4 FEDERAL #4
LOCATION SEC 4 T18S R31E
- 330' FWL 1980 FSL
PROJECTED TD 8900
CONTRACTOR W.E.K.

04/29/86 BUILDING LOCATION

04/30/86 BUILDING LOCATION.

05/01/86 BUILDING LOCATION.

05/02/86 DAY #1 OPER-WOC DEPTH-357' PROG-357' FORM-REDBED & SAND
RIG REPAIR 1/2 HR; RIGGING UP 8 3/4 HRS; RUNNING CASING AND
MW-8.4 VIS-29 DRLG-8 HRS; TRIP 3/4 HR; CIRC 1/2 HR;
& 1/4# FLOCELE. CIRC 20 SXS TO PIT. PLUGGED @ 5 AM
HRS. DRILLING 8 HOURS. MW-8.4 VIS-29
DRLG-8 HOURS 3/4 HR TRIP 1/2 HR. CIRC 1/2 HR RIG REPAIR
CEMENTING 3 1/4 HRS; W.O.C. 2 1/4 HRS;
2 1/4 WOC SPUDDERED WELL @ 3:25 PM 5-1-86
8 3/4 HRS RIG UP 3 1/4 HR. RUNNING CASING & CEMENTING
SET CASING @ 357' CMT W/ 385 SXS CLASS 'C' W/ 2% CACL
5-2-86DAY #1 OPER-WOC DEPTH-357' PROG-317' FORM-REDBED & SAND
RAN 9 JTS-13 3/8 J-55 54-50
RAN 9 JTS-13 3/8" SPUDDERED WELL @ 3:45 PM 5-1-8605/03/86 DAY 2 OPER-DRLG DEPTH-1135' PROG-778' FORM-SALT & ANHY.
DEV-1/2 DEG @ 357' 3/4 DEG @ 859' MW-10.1 VIS-29 PH-8.5
CL-165,000 DRLG-12 1/2 HRS WOC-83/4 HRS DRLG CEMENT-1 3/4
HRS. TEST CSG. 800#/30 MIN.05/04/86 DAY 3 OPER-CIRC. DEPTH-2100' PROG-965' DEV-1 DEG @1338'
2 DEG @ 1851 MW-10.2 VIS-29 CL-165,000 DRLG-20 1/2 HRS
TRIPS-2 HRS TOTCO-1/2 HR. CIRC-1 HR..05/05/86 DAY 4 OPER-DRLG DEPTH-2230' PROG-130' FORM-ANHY. DEV 1
DEG @ 2100' MW-8.8 DRLG-4 HRS CIRC-1 HR WOC-11 HOURS
DRLG PLUG-1 HR. CSG & CMT. 5 1/2 HR.
CSG JOB.RAN 57 JTS 8 5/8 J-55-24 # ST & C 2104' SET @ 2100'
CEMENTED 700 SXS DLW IV W/ 2% GEL, 1/4# CELLOFLAKE AND
6#/SALT (MIXED @ 13.5 & 1.57 YD)
200 SKS 'C' W/ 2% CACL2 & 1/4#/CELLOFLAKE (MIXED 14.8 &
126 YD) CIRCL 113 SKS TO PIT PLUG DOWN @ 3:00 PM 5-4-8605/06/86 DAY 5 OPER-DRLG DEPTH-3010' PROG-780' FORM-LM DEV-3/4 DEG
@ 2615' MW-8.8 DRLG-23 3/4 HRS. TOTCO- 1/4 HR.
DC-\$8870 CC-\$137,720

DAY 2 DC-49,450 CC-49,450

DAY 3 DC-15,850 CC-65,300

DAY 4 DC-63,550 CC-128,850

05/07/86 DAY 6 OPER-DRLG DEPTH-3575' PROG-565' FORM-LIME
DEV-1 DEG @ 3117' VIS-28+ PH-9.0 DRLG-23 3/4 HOURS.
TOTCO-1/4 HRS. DC-10640 CC-148,360

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PROJECTED TD 8900
CONTRACTOR W.E.K.

05/08/86 DAY 7, OPERATION-DRLG, DEPTH-4060', PROG-485', FORM-LI, DEV-1 1/4 DEG @ 3589' & 1 DEG @ 3896'. MW-8.6, VIS-29, CL-38,000. DRLG-20 1/2 HRS, TRIPS-3 HRS, TOTCO-1/2 HR. DC - \$9160; CC - \$157,520.

05/09/86 DAY 8 OPER-BIT TRIP DEPTH-4616' PROG-556' FORM-LM DEV 1/2 DEG @ 4403' CL-24,000 MW-8.8 VIS-29 DRLG-22 1/4 HRS.. TRIP-1 1/4 HR TOTCO-1/2 HR DC-8020 CC-165,540

05/10/86 DAY 9 OPER-DRLG DEPTH-5042' PROG-426' FORM-LM DEV-1 DEG @ 4616' MW-8.7 VIS-28 PH-9 CL-22,000 DRLG-20 1/2 HRS TRIPS-2 HRS CIRC-1/2 HR. REAM TO BTM- 1 HR. DC-9034 CC-174,574

05/11/86 DAY 10 OPER-DRLG DEPTH-5270' PROG-228' FORM-LM & DOLO DEV-1 3/4 DEG @ 5102' 2 3/4 DEG @ 5197' 2 3/4 DEG @ 5228' 2 DEG @ 5239' MW-8.7 VIS-28 PH-9.5 CL-23,000 DRLG-21 3/4 HRS. TOTCO-2 1/4 HRS. DC-7214 CC-181,788

05/12/86 DAY 11 OPER-DRLG DEPTH-5431' PROG-161' FORM-LM DEV-3 DEG @ 5322' 2 3/4 DEG @ 5385' 2 1/2 DEG @ 5429' MW-8.7 VIS-28 PH-10 CL-23,000 DRLG-22 1/4 HRS TOTCO 1 3/4 HRS DC-5442 CC187,230

05/13/86 DAY 12 OPER-DRLG DEPTH-5586 PROG-155' FORM-LM DEV 3 DEG @ 5480' 2 1/2 DEG @ 5543' MW- 8.7 VIS-28 PH-10 CL-22000 DRILLING-23 HRS TOTCO-1 HR. DC-3770 CC-191,000

05/14/86 DAY 13 OPER-DRLG DEPTH-5805' PROG-219' FORM-LM DEV-2 1/2 DEG @ 5637' 2 DEG @ 5731' MW-8.6 VIS-28 PH-9 CL-22,000 DRILLING-22 3/4 HRS TOTCO 1 1/4 HR. DC-3420 CC-194,420

05/15/86 DAY 14 OPER-BIT TRIP DEPTH-5978' PROG-173' FORM-LM DEV-3 DEG @ 5826' 3 1/2 DEG @ 5920' MW-8.6 VIS-28 CL-22,000 DRLG-20 3/4 HRS. TRIPS-2 1/4 HRS. TOTCO-1 HOUR DC-4266 CC-198,686

05/16/86 DAY 15 OPER-DRLG DEPTH-6062' PROG-84' FORM-LIME DEV-4 1/4 DEG @ 5978' 4 1/2 DEG @ 6007' MW-8.5 VIS-28 CL-22,000 19 1/2 HRS.DRLG 2 1/4 HRS. TRIP TOTCO-1/2 HR 1 3/4 HRS REAM 90' TO BTM. DC-5250 CC-203,936

05/17/86 DAY 16 OPER-DRLG DEPTH-6227' PROG-165' FORM-LM DEV-3 3/4 DEG @ 6070' 3 3/4 DEG @ 6196' 3 3/4 DEG @ 6196' MW-8.6 VIS-28 CL-22,000 DRLG-22 1/2 HRS TOTCO-1 1/2 HR DC-3560 CC-207,496

05/18/86 DAY 17 OPER-DRLG DEPTH-6348' PROG-121' FORM-LM DEV-4 DEG @ 6258' 4 DEG @ 6325' MW-8.7 VIS-28 PH-9.5 CL-22,000 DRLG-18 HRS TRIPS-4 1/4 HRS. TOTCO-1 HR

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HARVEY E. YATES COMPANY
401 N. COLORADO SUITE 202
MIDLAND, TEXAS 79701PROSPECT HONDO 4 FEDERAL #4
LOCATION SEC 4 T18S R31E
- 330' FWL 1980 FSL
PROJECTED TD 8900
CONTRACTOR W.E.K.

3/4 HR. REAMING.

DC-3444 CC-210,940

05/19/86 DAY 18 OPER-DRLG DEPTH-6451' PROG-103' FORM-LM
DEV-4 1/2 DEG @ 6388' 4 DEG @ 6451' MW-8.7 VIS-28 PH-9.0
CL-23,000 DRLG-23 HRS. TOTCO-1 HR. DC-3192 CC-214,13205/20/86 DAY 19 OPER-DRLG DEPTH-6539' PROG-88' FORM-LM & SHALE
DEV-4 DEG @ 6483' MW-8.5 VIS-28 PH-9 CL-23,000
DRLG-23 1/2 HRS. TOTCO-1/2 HR. 15,000 ON BIT.
DC-3362 CC-217,49405/21/86 DAY 20 OPER-DRLG DEPTH-6646' PROG-107' FORM-LM DEV 4 DEG
@ 6546' 4 DEG @ 6609' MW-8.7 VIS-28 PH-9.0 CL-23,000
DRLG-22 3/4 HRS 1 1/4 HRS-TOTCO DC-4200 CC-217,536.0005/22/86 DAY 21 OPER-DRLG DEPTH-6773' PROG-127' FORM-LM
DEV- 3 3/4 DEG @ 6672' 3 3/4 DEG @ 6735' MW-8.6 VIS-28
PH-10.0 CL-21,000 DRLG- 22 3/4 HRS TOTCO-1 1/4 HR
DC-3250 CC-220,786.0005/23/86 DAY 22 OPER-DRLG DEPTH-6927' PROG-154' IN LIMESTONE
DEV-3 3/4 DEG @ 6798' 3 DEG @ 6860' MW-8.7 VIS-29 PH-10
CL-21,000 23 HRS DRLG 1 HR TOTCO DC-\$2460 CC-223,246.0005/24/86 DAY 23 OPER-DRLG DEPTH-7190' PROG-263' FORM-LM & SHALE
DEV-2 1/2 DEG @ 6987' MW-8.6 VIS-29 PH-10 CL-21,000
DRLG-17 HRS. TRIPS-3 3/4 HRS TOTCO-2 HRS 1 1/4 HR-REAMING
DC-4,932.00 CC-228,178.0005/25/86 DAY 24 OPER-DRLG DEPTH-7466' PROG-256' FORM-DOLO & SN
DEV 2 3/4 DEG @ 7238' 2 1/2 DEG @ 7332' 2 1/4 DEG @ 7425'
MW-8.6 VIS-29 PH-9 CL-22,000 DRLG- 21 1/2 HRS TOTCO-1 3/4
3/4 HR-CIRC SAMPLES. DC-4834 CC-233,012.0005/26/86 DAY 25 OPER-DRLG DEPTH-7790' PROG-324' FORM-DOLO & SN
DEV-3 DEG @ 7678 3 DEG @ 7773' MW-8.6 VIS-29 PH-10
CL-22,000 DRLG-22 1/4 HRS TOTCO-1 3/4 HR DC-5786
CC-238,798,0005/27/86 DAY 26 OPER-DRLG DEPTH-8080' PROG-290' FORM-LM MW-8.6 PH-10
DEV-2 3/4 DEG @ 7867' CL-20,000 23 1/2 HR ROTATING
1/2 HR TOTCO DC-5486 CC-244,284.0005/28/86 DRLG @ 8372' PROG- 292' FORM-LM MW-8.2 CL-20,000
PH-10 DEV-8120' 2 1/2 DEG WOB-40,000# P-58 SPM PP-1450
21 HRS ROTATING 1/2 HR TOTCO 2 1/2 HR CIRC SAMPLES @ 8183'
& 8309' DC-5470 CC-249,75405/29/86 DRLG @ 8665' IN LIME PROG-293'' MW-8.6 PH-10 CL-20,000'
DEV-2 1/4 DEG @ 8372' WOB-40,000# PP-1550# 58 SPM
23 1/4 HRS ROTATING 1/4 HR RIG REPAIR 1/2 HR DEV
DC-\$5338 CC-\$ 255,092

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HARVEY E. YATES COMPANY
401 N. COLORADO SUITE 202
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PROSPECT HONDO 4 FEDERAL #4
LOCATION SEC 4 T18S R31E
- 330' FWL 1980 FSL
PROJECTED TD 8900
CONTRACTOR W.E.K.

3/4 HR. REAMING.

DC-3444 CC-210,940

05/19/86 DAY 18 OPER-DRLG DEPTH- 6451' PROG-103' FORM-LM
DEV-4 1/2 DEG @ 6388' 4 DEG @ 6451' MW-8.7 VIS-28 PH-9.0
CL-23,000 DRLG-23 HRS. TOTCO-1 HR. DC-3192 CC-214,132

05/20/86 DAY 19 OPER-DRLG DEPTH-6539' PROG-88' FORM-LM & SHALE
DEV-4 DEG @ 6483' MW-8.5 VIS-28 PH-9 CL-23,000
DRLG-23 1/2 HRS. TOTCO-1/2 HR. 15,000 ON BIT.
DC-3362 CC-217,494

05/21/86 DAY 20 OPER-DRLG DEPTH-6646' PROG-107' FORM-LM DEV 4 DEG
@ 6546' 4 DEG @ 6609' MW-8.7 VIS-28 PH-9.0 CL-23,000
DRLG-22 3/4 HRS 1 1/4 HRS-TOTCO DC-4200 CC-217,536.00

05/22/86 DAY 21 OPER-DRLG DEPTH-6773' PROG-127' FORM-LM
DEV- 3 3/4 DEG @ 6672' 3 3/4 DEG @ 6735' MW-8.6 VIS-28
PH-10.0 CL-21,000 DRLG- 22 3/4 HRS TOTCO-1 1/4 HR
DC-3250 CC-220,786.00

05/23/86 DAY 22 OPER-DRLG DEPTH-6927' PROG-154' IN LIMESTONE
DEV-3 3/4 DEG @ 6798' 3 DEG @ 6860' MW-8.7 VIS-29 PH-10
CL-21,000 23 HRS DRLG 1 HR TOTCO DC-\$2460 CC-223,246.00

05/24/86 DAY 23 OPER-DRLG DEPTH-7190' PROG-263' FORM-LM & SHALE
DEV-2 1/2 DEG @ 6987' MW-8.6 VIS-29 PH-10 CL-21,000
DRLG-17 HRS. TRIPS-3 3/4 HRS TOTCO-2 HRS 1 1/4 HR-REAMING
DC-4,932.00 CC-228,178.00

05/25/86 DAY 24 OPER-DRLG DEPTH-7466' PROG-256' FORM-DOLO & SN
DEV 2 3/4 DEG @ 7238' 2 1/2 DEG @ 7332' 2 1/4 DEG @ 7425'
MW-8.6 VIS-29 PH-9 CL-22,000 DRLG- 21 1/2 HRS TOTCO-1 3/4
3/4 HR-CIRC SAMPLES. DC-4834 CC-233,012.00

05/26/86 DAY 25 OPER-DRLG DEPTH-7790' PROG-324' FORM-DOLO & SN
DEV-3 DEG @ 7678 3 DEG @ 7773' MW-8.6 VIS-29 PH-10
CL-22,000 DRLG-22 1/4 HRS TOTCO-1 3/4 HR DC-5786
CC-238,798,00

05/27/86 DAY 26 OPER-DRLG DEPTH-8080' PROG-290' FORM-LM MW-8.6 PH-10
DEV-2 3/4 DEG @ 7867' CL-20,000 23 1/2 HR ROTATING
1/2 HR TOTCO DC-5486 CC-244,284.00

05/28/86 DRLG @ 8372' PROG- 292' FORM-LM MW-8.2 CL-20,000
PH-10 DEV-8120' 2 1/2 DEG WOB-40,000# P-58 SPM PP-1450
21 HRS ROTATING 1/2 HR TOTCO 2 1/2 HR CIRC SAMPLES @ 8183'
& 8309' DC-5470 CC-249,754

05/29/86 DRLG @ 8665' IN LIME PROG-293'' MW-8.6 PH-10 CL-20,000'
DEV-2 1/4 DEG @ 8372' WOB-40,000# PP-1550# 58 SPM
23 1/4 HRS ROTATING 1/4 HR RIG REPAIR 1/2 HR DEV
DC-\$5338 CC-\$ 255,092

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HARVEY E. YATES COMPANY
401 N. COLORADO SUITE 202
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PROSPECT HONDO 4 FEDERAL #4
LOCATION SEC 4 T18S R31E
- 330' FWL 1980 FSL
PROJECTED TD 8900
CONTRACTOR W.E.K.

05/30/86 OPER-LOGGING DEPTH-8785' FORM-LM PROG-120' MW-8.5
CL-18,000 PH-10 DEV 1 1/4 DEG 2 8785' WOB-40,000
5 1/4 HRS DRLG 3 3/4 HRS. TRIP 3 1/2 HRS. CIRC 8 1/2 HRS.
LOGGING 1 3/4 HR CIRC SMPLS@ 8724' & 8749' 1 HR SHORT TRIP
LOGGERS TD-8785' DC-5,072 CC260,164

05/31/86 DAY 30 OPER-CIRCL DEPTH-8785 DEV @ 8785-1 1/4 DEG
MW-8.5 VIS-29 PH-10 CL-18,000 TRIP-3 1/4 HOURS
CIRC-4 1/2 HOURS LOGGING-3 1/4 HR 7 1/2 HR RUNNING
5 1/2 CSG 5 1/2 HR LAY DOWN D.P.
CASING REPORT
RAN 213 JTS 5 1/2" 17# J-55 & 1 JT 5 1/2" 17# N80 FOR TOTAL
OF 214 JTS @ 8792' SET @ 8785' MARKER JT @ 6960' FLOAT
COLLAR @ 8743' DC-3600 CC-263,764

06/01/86 DAY 31 OPER-R.D. DEPTH-8785' 2 1/2 HRS. CMT. 6 HRS
N.D. BOP/ NU WELLHEAD 5 HRS. R.D. PLUG DOWN @ 9:30 AM
RELEASE RIG @ 3:30 PM DC-109,766 CC-373,530
CEMENTING REPORT
RAN 800 SKS DLW III W/ 6% GEL 1/4# CELLOFLAKE & 10% SALT &
.7% FLAC (MIXED @ 12.75 W/ 1.98 YD). TAIL END W/ 300 SKS
SS 'A' 10/10. (MIXED @ 14.0 & 1.73 YD)
PLUG DN @ 9:30 AM 5-31-86 SET SLIP W/ 145,000#
RELEASE RIG @ 3:30 PM 5-31-86

06/02/86 MOVING RIG.

06/03/86 FINISHED MOVING DRLG RIG OFF LOC. RU PENG0 WIRELINE RUN CBL,
CCL & GAMMA RAY LOGS FROM 8718' (PBDT) TO 2000' SDFN
DC-1000 CC-374,530

06/04/86 RU PENG0 & PERF 2ND SNDS @ 8404', 8388, 8375, 8360, 8335, 8305,
8292', 8280', 8237', 8229', 8223', 8211', 8202', 8183', 8168'
1 SPF (15 HOLES) RD PENG0 & GIH W/ MODEL R PKR SN & 2 3/8
TBG. SDFN DC-\$7550 CC-382,080

06/05/86 CON'T IN HOLE TO 8740'..R.U. HUGHES & CIRCL HOLE W/ 1% KCL
PULL PKR TO 8410' & SPOT 250 GAL 7 1/2% SRA PULL PKR TO
8080' & SET..BREAKDOWN PERFS @ 8168 TO 8404'.. FORMATION
BROKE @ 2900. ACIDIZE W/ 3000 GAL ACID & 30 BALL SEALERS..
AV-3800 @ 3.5 BPM..BALLED OUT TO 5500#
ISIP-1700 5 MIN-1700
TLTR-120 BBLs R.D. HUGHES & R.U. TO SWAB.
IFL-SURF FFL-8000 REC 40 BBLs & ON LAST RUN HAD 30%
OIL & GOOD GAS. (276 JTS TOTAL TBG @ 8863 FT.)
DC-7050 CC-389,130

06/06/86 SI TBG PRESS 130# GOOD GAS IFL-6800' MADE 1 SWAB RUN
REC 4 BBLs 100% OIL W/ GOOD GAS. LOAD TBG W/ SCALE INHIB

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HARVEY E. YATES COMPANY
401 N. COLORADO SUITE 202
MIDLAND, TEXAS 79701PROSPECT HONDO 4 FEDERAL #4
LOCATION SEC 4 T18S R31E
- 330' FWL 1980 FSL
PROJECTED TD 8900
CONTRACTOR W.E.K.

UNSET PKR POOH. RU HALLIBURTON TO FRAC PERFS @ 8168 TO
8408' FRAC W/ 25,000 GAL BS-60 & 75,000 GAL OF BS-60 W/
25% CO2 & 25,000 GAL OF BS-60 W/ 25% CO2 OVERFLUSH USING
250,000# OF 20/40 SAND

MAX RATE -62 AVG-52 FINAL-62

MAX PRESS 4800 AVG-3900 FINAL-3450 ISIP 2,010

15 MIN-1820 TLTR-2350 BBLs RD HALLIBURTON START REC LOAD

FLOW WELL OVERNIGHT FOR CLEAN UP DC-72,500 CC-461,630

06/07/86 WELL STARTED CUTTING OIL (2%) @ 2:00AM (6-6-86) HOOK WELL
TO TANKS & FLOW ALL WEEKEND. REC. APPROX 80 BBLs (50% OIL)
DC-2200 CC-463,83006/08/86 WELL STILL FLOWING ON 1/4" CHOKE 100-150# (60% OIL)
LEAVE FLOWING TO TANKS. DC-750 CC-464,580

06/09/86 NO REPORT

06/10/86 REC 170 BBLs OF FLUID SINCE SATURDAY @ NOON. R.U. HUGHES &
LOAD CSG..R.D. FRAC HEAD & R.U. BOP.. GIH W/ S.N. 13 JTS TBG
TBG ANCHOR, 251 JTS 2 3/8 TBG.. S.N. @ 8497 TBG ANCH @ 8079'
RD BOP & RU WELLHEAD. START IN HOLE W/ PMP & RODS. SDFN
DC-2250 CC-466,83006/11/86 RIH W/ 2 X 1 1/2 X 24' PMP, 1-4' X 3/4 PONY 200 3/4 RODS &
136 7/8 RODS, 1-6' X 7/8 PONY PUT WELL ON PROD. RD CHASE
UNIT DC-1250 CC-468,080

06/12/86 126-BBLs LOAD WTR STARTED FLOWING BACK W/ 110# PRESS.

06/13/86 RU HUGHES & HOT OIL TBG. RIH W/ 2" X 1 1/2" X 24' PMP
1-2' X 3/4", 204-3/4", 131-7/8" 2'-7/8", 2-4' X 7/8" PONIES
PUT ON PRODUCTION. DC- 1800
30-BO 114-BW

06/14/86 225-OIL 9-WTR

06/15/86 211-OIL 25-WTR

06/16/86 52-OIL 6-WTR

06/17/86 46-BO 39-BW

06/18/86 105-BO 20-BW

06/19/86 113-OIL 22-WTR

06/20/86 94-BO 12-BW

06/21/86 101-OIL 9-WTR

06/22/86 103-OIL 12-WTR

06/23/86 95 OIL 9 WTR

06/24/86 131-OIL 12-WTR.

06/25/86 104-OIL 9-WTR

06/26/86 95-OIL 9-WTR.

06/27/86 96-BO 6-BW

06/28/86 156 OIL 41 WTR

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HARVEY E. YATES COMPANY
401 N. COLORADO SUITE 202
MIDLAND, TEXAS 79701PROSPECT HONDO 4 FEDERAL #4
LOCATION SEC 4 T18S R31E
- 330' FWL 1980 FSL
PROJECTED TD 8900
CONTRACTOR W.E.K.

06/29/86 110 OIL 0 WTR
06/30/86 146 OIL 30 WTR
07/01/86 110-OIL 15-WTR
07/02/86 115-OIL 12-WTR
07/03/86 151-OIL 24-WTR
07/04/86 102-OIL 15-WTR
07/05/86 91-OIL 12-WTR
07/06/86 112-OIL 21-WTR
07/07/86 107-OIL 18-WTR
07/08/86 114-OIL 12-WTR
07/09/86 133-OIL 12-WTR
07/10/86 65-OIL 9-WTR (HOT OILED)
07/11/86 POH W/ TBG & ANCHOR RU PENG0 PERF. 1/JS @ 7885', 76, 74, 63,
51, 41, 22, 16...RD PENG0 RIH W/ RBP, PKR & 2 3/8 TBG SET
BP @ 8014' RU HUGHES TEST TO 3500..HELD OK..PULL PKR TO 7885
SPOT 200 GALS 7 1/2% SRA PULL PKR & SET @ 7693' BREAK FORM
DN @ 2000# PUT ACID AWAY 3 BPM AT 2600 INST SI-1350
5 MIN-1300 RD HUGHES RU SWAB IFL-SURFACE FFL-7650
MADE 8 RUNS REC 31 BBLS NO SHOWS SWI SDFN
DC-3675
07/12/86 SITP-100# GOOD GAS RU TO SWAB IFL-7000' MADE 1 RUN REC 3
BBLS W/ TRACE OF OIL & GAS. RU HUGHES & ACIDIZE PERFS @ 7816
TO 85 W/ 1800 GALS 7 1/2% SRA & 16 BALL SEALERS MAX RATE-4
BBLS/MIN. AVG-3 FINAL-4
MAX PRESS - 5400#
AVG PRESS - 3200#
FINAL-PRESS-3000# (BALLING OUT TO 5400#)
ISIP-1380 5 MIN SIP-1350
RD HUGHES IFL-SURFACE FFL-7300' REC 35 BBLS LAST 2 RUNS
HAD 15% OIL CUT & TRACE OF GAS DC-3800 CC-7,475
07/13/86 SITP-70# IFL-7000' SWAB DRY ON FIRST RUN MADE 4 SWAB RUNS
REC TOTAL OF 3 BBLS FFL-SN 50% OIL CUT W/GOOD GAS SDFN
DC-1850 CC-9,325
07/14/86 SDF SUNDAY
07/15/86 SITP-100# GOOD GAS RU SWAB IFL-6600 MADE 1 RUN REC 4 BBLS
20% OIL GOOD SHOW OF GAS RD SWAB LOAD TBG POH W/PKR &
2 3/8" TBG ND BOP NU FRACHEAD RU HALLIBURTON..FRAC PERFS
7816-7885 W/ 65,000 GAL WTR FRAC-60 & 15,000 OF WTR FRAC-60
OVERFLUSH..ALL FLUIDS CONTAINED 25% CO2
MAX PRESS-4500 AVG PRESS-3500 FINAL-PRESS 2990
MAX RATE 32 AVG RATE 32 FINAL RATE 32
INST SIP 2,050 5MIN-1960 TOTAL LOAD-2204

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HARVEY E. YATES COMPANY
401 N. COLORADO SUITE 202
MIDLAND, TEXAS 79701PROSPECT HONDO 4 FEDERAL #4
LOCATION SEC 4 T18S R31E
- 330' FWL 1980 FSL
PROJECTED TD 8900
CONTRACTOR W.E.K.

RD HALLIBURTON SWI 1 1/2 HRS OPEN ON 1/2 " CHOKE 1900#
FLOW WELL ALL NIGHT FOR CLEAN UP DC 43,450 CC52,77507/16/86 WELL FLOWED BACK & DIED @ 10:30 AM 10% OIL CUT, LOAD CSG
NU BOP RIH W/ RTR HEAD & 2 3/8" TBG TO 7984' TAG UP ON SND.
30' OF FILL.. CIRC DN TO 8014' LOST CIRC COULD NOT GET OFF
RBP.. WORK TBG & SDFN DC-2500 CC-55,27507/17/86 SIP-600# HAD GOOD GAS BLED DN IN 10 MIN..RU HUGHES.
BREAK CIRC..COULD NOT GET CIRC..WORKED TO GET OFF BP.CAN NOT
GET OFF BP..RU RYCO RUN FREE POINT FOUND SAND INSIDE TBG AT
7901' TBG WAS FREE TO 7901' RD RYCO SWI SD UNTIL FRIDAY
WO NOWSCO COILED TBG UNIT..DC-2243 CC-57,518

07/18/86 SI WAITING ON NOWSCO.

07/19/86 RU NOWSCO COILED TBG UNIT. RIH TO 7000' COIL UNIT BROKE DN
POH W/ COIL TBG. SDFN DC-450 CC-57,96807/20/86 RU NOWSCO COILED TBG UNIT RIH TO 7901' CLEANED OUT TBG
7901' TO 8014'..RD NOWSCO RU HUGHES CIRC HOLE W/ 1 " KCL
RELEASE BP START OOH W/ TBG & BP..SDFN DC-8850 CC-66,81807/21/86 FINISH POH W/ RBP & TBG..RIH W/ SN, 26 JTS 2 3/8" TBG, TBG
ANCHOR, 239 JTS 2 3/8" TBG.. SET ANCHOR @ 7692', SN 8527'..
ND BOP NU WELLHEAD RIH W/ 2" X 1 1/2 X 24' PUMP
1-4' X 3/4 PONY ON TOP OF PUMP, 204-3/4" RODS, 135-7/8,
1-4' X 7/8, 1-6' X 7/8 PONY..PUT WELL ON PRODUCTION..SDFN
DC-1650 CC-68,468

07/22/86 75-BBLS WATER

07/23/86 161-WATER

07/24/86 33-OIL 32-WTR.

07/25/86 40-OIL 18-WTR

07/26/86 72-OIL 63-WTR

07/27/86 41-OIL 57-WTR

07/28/86 39-OIL 3-WTR

07/29/86 DROP FROM REPORT

FILE: South Taylor 13 Federal #1

COUNTRY: Eddy

STATE: New Mexico

PROJECT: Und. Delaware

LOC: 10/LOC: Sec. 13, T-18S, R-31E

OPERATOR: Harvey E. Yates Company

RESERVOIR: Delaware

PENPS:

DATE COMPLETED:

MONTH	ALLOW.	OIL/GAS - SOLS.				OAS - MCP				WATER - SOLS.				O.O.M.				PRESSURE				INTERESTS			
		MONTHLY	CUMULATIVE	MONTHLY	CUMULATIVE	MONTHLY	CUMULATIVE	MONTHLY	CUMULATIVE	MONTHLY	CUMULATIVE	MONTHLY	CUMULATIVE	MONTHLY	CUMULATIVE	MONTHLY	CUMULATIVE	MONTHLY	CUMULATIVE	MONTHLY	CUMULATIVE	MONTHLY	CUMULATIVE	MONTHLY	CUMULATIVE
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PROSPECT SOUTH TAYLOR 13 FEDERAL #1
 LOCATION 330' FSL & 990 FEL
 SEC 13 T18S R31E
 PROJECTED TD 5350
 CONTRACTOR PETERSON

R.D. CASERS-1 HR RUNNING CSG-2 3/4 HRS.DC-17235 CC-102,578
 CASING REPORT

RAN 23 JTS 916' 5 1/2 17# N80 LT/C
 94 JTS 3852' 5 1/2 15.5 J55 LT/C
 2 JTS 81' 5 1/2 15.5 J55 ST/C
 15 JTS 587' 5 1/2 17# J55 ST/C

TOTAL 134 JTS 5437' ST @ 5410'

08/03/86 DAY 10 OPER-R.D. DEPTH-5411' CIRC-1/4 HR CEMENTING-3 HRS
 SET SLIPS/N.D.-6 HRS R.D. & MOVING-7 3/4 HRS PLUG DN @
 9:15AM RELEASE RIG @ 3:15 PM. DC-61,700 CC-164,278

CEMENTING REPORT

USED 1825 SKS DLW 111 W/ 8#/SALT, 1/4# CELLOFLAKE & FLAC
 (MIXED @ 12.75 #/GAL & 1.89 YD) TAIL END W/300 SKS SSI &
 1/4 #/SK CELLOFLAKE (MIXED 14.0#/GAL & 1.73 YD)
 DISPLACED W/ 1% KCL

08/04/86 MOVING RIG WAITING ON PULLING UNIT

08/05/86 M.I. PULLING UNIT & COMPLETION EQUIPMENT. RU GEARHART TO
 RUN CBL, CCL, & G.R. COULD NOT GET TOOLS TO WORK.
 SDFN DC-2045 CC-166,323

08/06/86 RU CRC WIRELINE RUN GR NEUTRON, CCL-CBL FROM 5350-700
 TOC-1000' RD CRC RU DS PUMP 200 SX CLASS "C" W/ 2% S-1 DOWN
 5 1/2-8 5/8" ANNULUS SQUEEZE TO 800 PSI RD DS-RU CRC
 PERF 5059-68 2 SPF 19 HOLES RD CRC GIH W/ SN & 2 3/8" TBG
 SDFN DC-8900 CC-175,223

08/07/86 FINISH GIH W/ SN & 2 3/8 TBG. R.U. DOWELL & SPOT 100 GAL
 15% MSR @ 5075.. PULL TBG TO 4955'.. R.D. BOP & RU WELLHEAD
 BREAK DOWN PERFS @ 5059-5068' BROKE @ 3000# ACIDIZE W/
 2000 GAL 15% MSR & 20 BALL SEALERS..AV RATE 3 BPM; AVG PRESS
 2200. (GOOD BALL ACTION) ISIP-1280 R.U. TO FRAC W/ 20,000
 GAL YF 3 PSD & 28000# 20/40. AV PRESS 1700#, MX-1970,
 FINAL-1920, AV RATE-7 BPM, MX-8, FINAL-6 ISIP-1200 15 MIN
 1144, (TLTR-682 BBLs) SHUT IN FOR 2 HR..OPEN WELL @ 5:30
 PM TP-650. FLOW WELL FOR CLEAN UP DC-19,535.00
 CC-194,758

08/08/86 SITP-0

IFL-SURF

FFL-1800' LAST 10 RUNS 1% OIL CUT & GOOD SHOW OF GAS REC
 208 BBLs SWABBING... REC 110 BBLs FLOWING OVER NIGHT

TOTAL REC 318 TLTR-269 SDFN DC-1650 CC-196,408

08/09/86 SITP-200# SICP-100#
 IFL-1800' FFL 1700'

REC 192 BBLs 5% OIL CUT & SHOW OF GAS 77 BBLs TO REC.

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PROSPECT SOUTH TAYLOR 13 FEDERAL #1
 LOCATION 330' FSL & 990 FEL
 - SEC 13 T18S R31E
 PROJECTED TD 5350
 CONTRACTOR PETERSON

SDFN DC-1625 CC-198,033

WATER SAMPLE

NA	33701	SO4	300
CA	11,000	HCO3	122
MG	7663	PH	6
CL	93500	SP.GR.	1.102
		NO3	26

08/10/86 SITP-300
 SICP-300
 IFL-1500
 FFL-1700
 REC 150 BBLS 5% OIL CUT SHOW OF GAS SDFN 73 BBLS OVER LOAD
 DC-1450 CC-199,483

WATER SAMPLE

NA	47010	FE	500
CA	7218	PH	6.45
MG	7302	SP.GR.	1.12
CL	106500	RW	.044 @ 84%
HCO3	122	NO3	300 +

08/11/86 SITP 350 SICP-425
 LEAVE WELL SHUT IN TILL MONDAY.

08/12/86 SITP-350 SICP-450
 IFL-1500 FFL-2000
 MADE 42 RUNS REC 168 BBLS 5% OIL CUT FAIR SHOW OF GAS
 SHUT WELL IN SDFN DC-1650 CC-199,683

WATER SAMPLE

PH-6.1	SP.GR. 1.1
SODIUM 47,600	BICARB 146
CAL 8822	IRON 250
MAG. 3115	CHLOR. 97,980
RESISTIVITY 055 @ 84 DEG.	NITRATES-SOLIDIFIED

08/13/86 SITP-350
 SICP-600
 RU CARDINAL & HUGHES RUN PI TRACER SURVEY. TRACER SHOWED 90%
 FLUID..GOING IN @ 5,068, DOWN TO 5107..RD CARDINAL & HUGHES
 ND TREE NU BOP POH W/ TBG RIH W/ 5 1/2 PKR & 2 3/8 TBG.
 TO 4500' SWI & SDFN DC-3800 CC-203483

08/14/86 SICP-300#
 SITP-0
 SET PKR @ 4511 RU DOWELL ESTABLISHED INJ. RATE 3 BBLS/MIN
 @ 1300 SQUEEZE PERFS FROM 5059 TO 68 W/ 200 SXS CLASS
 "A" W/ .5% FLUID LOSS. SQUEEZE FORM TO 3500# PUT 188 SXS

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PROSPECT SOUTH TAYLOR 13 FEDERAL #1
LOCATION 330' FSL & 990 FEL
- SEC 13 T18S R31E
PROJECTED TD 5350
CONTRACTOR PETERSON

IN FORMATION & LEFT 12 SXS IN CSG..REV TBG CLEAN..PRESS UP
FORM TO 3500. SWI & SDFN DC-4950 CC-208,433

08/15/86 SITP-3000

SICP-500

BLED WELL DN..POH W/ PKR & TBG..RIH W/ 4 3/4 BLADE BIT
5 1/2 SCRAPER, 6 DRILL COLLARS, 2 3/8 TBG..TAG UP ON CMT AT
4754' DRILLED OUT TO 5010' CIRC HOLE CLEAN SDFN
DC-3400 CC-211,833

08/16/86 RU COMPLETION RENTAL. CLEAN OUT FROM 5011' TO 5370'.

TEST SQZ TO 3500# FOR 15". TEST OK. POH W/TBG, COLLARS
BIT. RU CRC & PERF 5182'-86' & 5200'-5210'. 2 JSPF
(30 HOLES) RD CRC. START IN HOLE W/PKR & TBG. SDFN.
DC-\$4350.00 CC-\$216,183.00

08/17/86 RUN PKR & TBG TO 5210'. RU HUGHES & SPOT 100 GALS

15% SRA. PULL PKR TO 5090' & SET. BREAK DOWN PERFS @ 1/4
BPM @ 1500#. PUT ACID AWAY @ 3 BPM @ 2800#. ISIP 1400#
5 1000#. RD HUGHES. RU SWAB. IFL SURFACE. FFL 5000'
MADE 6 RUNS REC 22 BBLs. NO SHOWS. HAD 50' ENTRY IN 2 HRS.
6 BLTR. SI. SDFN. DC-\$2050.00 CC-\$218,233

08/18/86 SD.

08/19/86 SITP SLIGHT BLOW MADE 1 RUN W/ SWAB & FOUND FL @ 4600' REC
2 BBLs FLUID (10% OIL CUT). RD SWAB. RU HUGHES & ACIDIZE
3500 GALS 15% SRA W/ 60 RCN BS. MAX PRESS 4200# ON BALL OUT
AVG 2600# FINAL 2300# MAX, AVE, FINAL, RATES 4 BPM ISIP
1300# 5 MIN/1150# TL-106 BBLs. RD HUGHES RU SWAB. IFL
SURFACE FFL @ 5090' @ (SN). MADE 16 RUNS & REC. 49 BBLs W/
25% OIL CUT & GAS..LAST 4 RUNS, 1 EVERY HOUR @ 300'/HR ENTRY.
57 BLTR. SI SDFN DC:4950 CC-233,183

08/20/86 SITP 120# (GOOD GAS). IFL 4000'. REC 4 BBLs 50% OIL. RU
DOWELL TO FRAC PERFS 5182'-5210'. WELL COMMUNICATED AFTER
1000 GALS OF FRAC. PULL TBG TO 4950' & TEST TBG & PKR.
HELD OK. RD DOWELL. START OOH W/TBG & PKR. SDFN.
DC-\$2500 CC-\$235,683

08/21/86 SITP-0 FINISH POOH W/ TBG & PKR..R.U. CRC & SET CIBP @
5174'..PERFORATE 4 SQUEEZE HOLES @ 5119.SET HOWCO RETAINER @
5075. RD CRC.GIH W/ STINGER & 2 3/8 TBG.STING INTO RETAINER
RU DOWELL & BREAK DN PERFS @ 5119 W/ 250 GAL 5% HCL..
ESTABLISH INJECTION RATE 3 BPM @ 2200..MIX 600 SKS CLASS 'A'
W/ 1% D60 (FLAC) (16.0 #/GAL & 1.06 YD.) SQUEEZE TO 4000#..
REVERSE OUT TBG. (15 SKS) PUT 577 SKS INTO FORMATION. PULL
5 STANDS & PRESSURE CSG. TO 3000# SI & SDFN
DC-15,650 CC-251,333

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PROSPECT SOUTH TAYLOR 13 FEDERAL #1
LOCATION 330' FSL & 990 FEL
- SEC 13 T18S R31E
PROJECTED TD 5350
CONTRACTOR PETERSON

08/22/86 SITP-2600 POOH W/ TBG & STINGER GIH W/ 4 3/4 BIT, 6 DC &
TBG. TAG UP ON CEMENT @ 4972. R.U. REVERSE UNIT & DRILL
OUT CEMENT & RETAINER. (FELL OUT OF CEMENT @ 5150) TEST
CSG TO 3000#/30 MIN. HELD OK SDFN DC-3850 CC-255,183
08/23/86 POOH W/ DRLG EQUIP. GIH W/ NEW BIT & DRLG EQ. & TBG..TAG UP
ON CIBP @ 5174. R.U. REVERSE UNIT & DRILL OUT CIBP. CONTINUE
IN HOLE TO 5370' (PBD). TEST PERFS @ 5182-5210.. INJ. RATE
OF 1/4 BPM @ 1600#.POOH W/ DRLG. EQUIP..GIH W/ CSG. SCRAPER
& TBG TO TD..POOH W/ TBG & RELEASE DRLG EQ. SDFN
DC-2550 CC-257,733
08/24/86 GIH W/ PKR, SN & TBG. TO 5154..RU HUGHES & ACIDIZE PERFS
5182-5210 W/ 2500 GAL 15% SRA & 60 BALLSEALERS.
MX PRESS-3500# AV-2200# FINAL-2600
MX RATE -3.6 AV-3.0 FINAL-3.6
ISIP-1500 5 MIN SIP-1300
IFL-SURFACE FFL-4900 REC 30 BBLs W/ SHOW OF GAS
SDFN DC-4500 CC-262,233
08/25/86 SDF SUNDAY..
08/26/86 SITP-60# IFL-2900 MADE 3 RUNS & REC 7 BBLs (40% OIL)
R.U. DOWELL & FRAC PERFS 5182-5210 W/ 20,000 GAL YF3PSD &
5000# 100 MESH & 28000# 20/40 SAND. MX PRESS-3370 AV-2800
FINAL-2330..MX & AV RATE 5 BPM ISIP-1440 15 MIN-1360
(471 BBLs TO REC.) SI FOR 4 HRS OPEN WELL @ 8:30 PM TO
PIT DC-17,100 CC-279,333
08/27/86 WELL DID NOT FLOW BACK AFTER FRAC. IFL-SURFACE..MADE 2 RUNS
& COULD NOT GET SWAB DN PAST 2000'.CIRCL HOLE W/ 1% KCL (HAD
1/2 BBL OF X-LINK GEL) IFL-SURFACE FFL-2400' REC 104 BBLs
SDFN DC-1650 CC-280,983
08/28/86 IFL-500
FFL-3000
REC.196 BBLs
LAST 6 HRS WELL HAD GOOD GAS AHEAD OF SWAB & TRACE OF OIL.
(176 BBLs TO REC) SDFN DC-1450 CC-282,433
08/29/86 IFL-900'
FFL-4200'
REC 168 BBLs 5% OIL CUT & GOOD GAS W/ SWAB..DC-1250
CC-283,683
08/30/86 IFL-1000'
FFL-3800'
REC 96 BBLs W/ 20% OIL CUT & GOOD GAS AHEAD OF SWAB.
DC-1400 CC-285,083
WATER SAMPLES FROM PERFS 5182-5210

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PROSPECT SOUTH TAYLOR 13 FEDERAL #1
LOCATION 330' FSL & 990 FEL
- SEC 13 T18S R31E
PROJECTED TD 5350
CONTRACTOR PETERSON

	8-28-86	8-29-86
	SP GR-1.120	1.120
	PH 6.35	6.45
	CA 8982	8822
	MG 4576	5355
	MA 48400	51700
	CL 103,660	110760
	HCO3 305	244
	NO3 1.92	1.9
	RW .0589 @ 71 DEG F	.0564 @ 74 DEG F
08/31/86	SITP-200# RU CARDINAL & RUN PMP IN TRACER & TEMP SURVEYS SURVEYS SHOW MAJOR TREATMENT IN ZONE W/ SMALL CHANNEL TO +5255 & 5150 R.D. CARDINAL & POOH W/ PKR. & TBG. SDFN DC-3450 CC-288,533	
09/01/86	SD FOR MONDAY SHUT IN FOR MONDAY	
09/02/86	SD FOR TUESDAY SHUT IN FOR TUESDAY	
09/03/86	GIH W/ RPB & TBG TO 5085 & SET. TEST TO 3000#/10 MIN..HELD OK..POOH. GIH W/ SAND JETTING TOOL & TBG TO CUT HOLES @ 5063' (2 HOLES) R.U. DOWELL & CUT FOR 20 MIN.. CIRCL. HOLE CLEAN..SPOT 500 GAL 15% MSR. BREAK DOWN NEW HOLES..BROKE @ 1780# PUT ACID AWAY 1.5 BPM @ 2030.. ISIP-1300.. CIRCL HOLE CLEAN & SDFN. DC-3150 CC-291,683	
09/04/86	POOH W/ TBG & JETTING TOOL..GIH W/ PKR & TBG..SET PKR @ 4990 RU TO SWAB IFL-100' FFL-4990' REC 30 BBLS 300' FL ENTRY PER HR..FAIR GAS AHEAD OF SWAB & TRACE OF OIL SDFN DC-1650 CC-293,333	
09/05/86	SITP-10# IFL-3000' MADE 1 RUN & REC 4 BBLS W/ 5% OIL.. RU DOWELL & FRAC PERFS 5063 W/ 20,000 GAL YF3PSD W/ 8,000# 100 MESH & 30,000# 20/40.. MX PRESS-2885 AV-2700 FINAL-2600 ALL RATES-5 BPM ISIP-1680 15 MIN-1625 TLTR-557 R.D. DOWELL & SWI FOR 4 HRS. FLOW WELL TO PIT FOR CLEAN UP DC-9950 CC-303,283	
09/06/86	IFL-100 FFL-1600 REC. 204 BBLS (10% OIL & GOOD GAS) DC-1350 CC-304,633	
09/07/86	IFL-900 FFL-1800 REC 116 BBLS (15% OIL & GOOD GAS) (150 BBLS TO REC) DC-1250 CC-305,883	
09/08/86	SD FOR SUNDAY.	
09/09/86	IFL-900 FFL-1800 REC. 164 BBLS (20% CUT W/ GOOD GAS)	

6190

ROSEMARY

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PROSPECT SOUTH TAYLOR 13 FEDERAL #1
LOCATION 330' FSL & 990 FEL
- SEC 13 T18S R31E
PROJECTED TD 5350
CONTRACTOR PETERSON

SDFN DC-1250 CC-307,133

09/10/86 POH W/ TBG SN & PKR. RU BO MONK TEST IN HOLE W/ 5 1/2
LOK-SET CAVITY & 2 3/8" TBG..SET PKR @ 4970' ND BOP NU 4-WAY
VALVE..RU TEST UNIT & SDFN. WO PROPANE DC-2850 CC-309,983

09/11/86 WAITING ON PARTS.

09/12/86 WAITING ON PARTS.

09/16/86 DOWN DUE TO ENGINE TROUBLE.

09/17/86 NO REPORT AVAILABLE.

09/18/86 132-BBLS OIL

101-BBLS WTR.- IN 20 HRS.

93-MCF

09/19/86 89-BBLS OIL

111 BBLS WTR

93-MCF

6.5 PH

09/20/86 32-OIL OIL TREATED & TRANSFERRED TO SALES TANK. DAILY
208-WTR OIL PRODUCTION ESTIMATED.

09/21/86 38-OIL

82-WTR

09/22/86 UNIT DOWN

09/23/86 UNIT DOWN

09/24/86 39-B0

64-BW

09/25/86 98 BO, 120 BW

09/26/86 75 BO, 135 BW

09/27/86 50 BO, 126 BW

09/28/86 10 BO, 113 BW

09/29/86 65 BO, 102 BW

09/30/86 63 BO, 106 BW

10/01/86 61-B0 105-BW

10/02/86 68-B0 65-BW

10/03/86 45-OIL 6-WTR UNIT DOWN

10/04/86 49 BO & 115 BW

10/05/86 58 BO & 88 BW.

10/06/86 66 BO & 87 BW.

10/07/86 60 BO, 80 BW

10/08/86 MI & RU CHASE PULLING UNIT. PUMP JET PUMP OUT OF HOLE. ND
WELL HEAD, NU BOP, POH W/CAVITY & TBG, GIH & RELEASE RBP,
POH & SDFN. WELL PRODUCED 64 BO & 60 BW.

DC \$2,050 CC \$312,033

10/09/86 GIH W/5 1/2" LOK SET PKR, CAVITY & 2 3/8" TBG TO 4970' TO
108-OIL 183-WTR

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PROSPECT SOUTH TAYLOR 13 FEDERAL #1
LOCATION 330' FSL & 990 FEL
- SEC 13 T18S R31E
PROJECTED TD 5350
CONTRACTOR PETERSON

PUMP UPPER & LOWER DELAWARE PERFS TOGETHER. SET PKR @ 4970'
108-OIL 183-WTR
IN 7 POINTS TENSION. RU HUGHES & LOAD HOLE, TEST PKR & HELD
OK, CIRC HOLE & PUMP JET PUMP TO BOTTOM. WELL STARTED PUMP-
ING @ 12:29 PM. INITIAL PROD. RATE 30 BPH W/STABILIZED RATE
@ 14 BPH OF LOAD WTR., APPROX. 410 BLTR, RD & RLSD PU.
DC \$1,960 CC\$ 313,993

10/10/86 46 BO, 312 BW, FILLING TREATER AND PUMPING BACK LOAD WATER.
10/11/86 87 OIL 236 WTR
10/12/86 77 OIL 235 WTR
10/13/86 85 OIL 165 WTR
10/14/86 80-OIL 234-WTR
10/15/86 85 OIL 135 WTR
10/16/86 74-OIL 197-WTR
10/17/86 87-OIL 159-WTR
10/18/86 77-OIL 210-WTR
10/19/86 84-OIL 141-WTR
10/20/86 76-OIL 160-WTR
10/21/86 87-OIL 160-WTR
10/22/86 83-OIL 141-WTR
10/23/86 83-OIL 180-WTR
10/24/86 83-OIL 145-WTR
10/25/86 11-OIL 31-WTR DOWN
10/26/86 3-OIL 45-WTR DOWN
10/27/86 2-OIL 63-WTR DOWN
10/28/86 WELL DOWN FOR WORKOVER
10/29/86 WELL DOWN
10/30/86 WELL DOWN
10/31/86 10-30-86 MI RU CHASE..NU BOP POHW/PKR TBG & CAVITY..RIH W/
SN 10 JTS-2 3/8 TBG 5 1/2 TBG ANCHOR 153 JTS OF 2 3/8"
TBG SN @ 5283 TBG ANCH-4958 START IN HOLE W/ RODS & PMP
SDFN DC-2000
10-31-86 RIH W/ 2" X 1 1/2" X 24' PMP..
1-2' X 3/4" PONY ON TOP OF PMP 127-3/4 82-7/8
3-6' X 7/8 PONY
1-2' X 7/8 PONY
PUT WELL ON PROD. RD CHASE UNIT DC-2150 CC4,150
11/01/86 117-OIL 101-WTR
11/02/86 148-OIL 78-WTR
11/03/86 117-OIL 121-WTR
11/04/86 117-OIL 99-WTR
11/05/86 NO REPORT AVAILABLE

6190

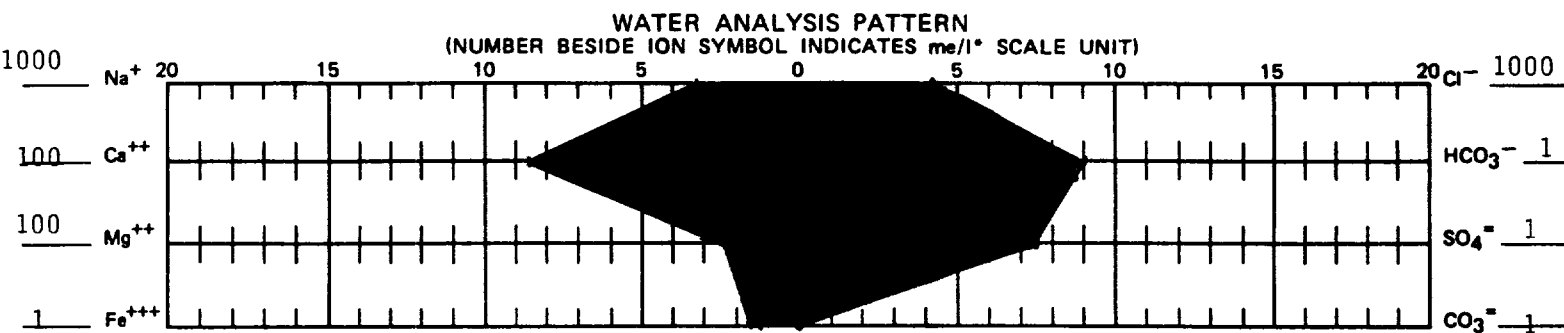
ROSEMARY

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PROSPECT SOUTH TAYLOR 13 FEDERAL #1
LOCATION 330' FSL & 990 FEL
- SEC 13 T18S R31E
PROJECTED TD 5350
CONTRACTOR PETERSON

11/06/86 97-OIL 110-WTR
11/07/86 105-BO NO WTR AVAILABLE
11/08/86 117-OIL 110-WTR
11/09/86 108-OIL 183-WTR
11/10/86 97-OIL 118-WTR

COMPANY HEYCO				ANALYSIS NUMBER 1750	
COMPANY ADDRESS				DATE 9-30-86	
FIELD			COUNTY OR PARISH LEA		STATE NM
LEASE OR UNIT SO. TAYLOR		WELL(S) NAME OR NO.		WATER SOURCE (FORMATION)	
DEPTH, FT.	BHT, °F	SAMPLE SOURCE	TEMP, °F	WATER, BBL/DAY	OIL, BBL/DAY
DATE SAMPLED 9-30-86		TYPE OF WATER ☒ PRODUCED ☐ SUPPLY ☐ WATERFLOOD ☐ SALT WATER DISPOSAL			


DISSOLVED SOLIDS

CATIONS	me/l*	mg/l*
Total Hardness	1080	
Calcium, Ca ⁺⁺	860	17200
Magnesium, Mg ⁺⁺	220	2684
Iron (Total) Fe ⁺⁺⁺	1.6	30
Barium, Ba ⁺⁺	---	---
Sodium, Na ⁺ (calc.)	3104	71392

ANIONS	me/l*	mg/l*
Chloride, Cl ⁻	4169	148000
Sulfate, SO ₄ ⁼	7.5	360
Carbonate, CO ₃ ⁼	0	0
Bicarbonate, HCO ₃ ⁻	9	549
Hydroxyl, OH ⁻	0	0
Sulfide, S ⁼	0	0

DISSOLVED GASES

Hydrogen Sulfide, H ₂ S	0 mg/l*
Carbon Dioxide, CO ₂	118.8 mg/l*
Oxygen, O ₂	0.05 mg/l*

PHYSICAL PROPERTIES

pH	6.30
Specific Gravity	1.155
Total Dissolved Solids (calc.)	240205 mg/l*
Stability Index @ 20 °C	+1.58
CaSO ₄ Solubility @ 20 °C	11.1 me/l*
Max. CaSO ₄ Possible (calc.)	7.5 me/l*
Max. CaSO ₄ Possible (calc.)	me/l*

Residual Hydrocarbons _____ ppm(Vol/Vol)

TOTAL SOLIDS (QUANTITATIVE)

240215

REMARKS AND RECOMMENDATIONS:

AT 20°C SEVERE CARBONATE SCALING
 AT 20°C CALCIUM SULFATE SCALING IS UNLIKELY

*NOTE: me/l and mg/l are commonly used interchangeably for epm and ppm respectively. Where epm and ppm are used, corrections should be made for specific gravity.

MS-402

BAKER OIL TREATING REPRESENTATIVE JOHN COCKRUM		ADDRESS		TELEPHONE	
ANALYZED BY: BOB WALLACE		DATE 9-30-86		DISTRIBUTION	
				OFF:	RES:

FIELD: Und. PI: Mesquite 3 Federal #2 COUNTY: Eddy STATE: New Mexico
 LEASE: Bone Springs (2nd Sand) I.D./LOC: Sec 3, T-18S, R-31E OPERATOR: HEYCO
 RESERVOIR: Bone Springs (2nd Sand) PERMITS: 8280-8387 DATE COMPLETED:

MONTH	ALLOW.	OIL/COND. - BBL.			GAS - MCF			WATER - BBL.			G.O.M.	PRESSURE			INTERESTS
		DAY	MONTHLY	CUMULATIVE	MONTHLY	CUMULATIVE		MONTHLY	CUMULATIVE			PTP.	STP.	END.	
NOV.															
DEC.															
JAN.															
FEB.															
MAR.															
APR.															
MAY															
JUN.															
JUL.															
AUG.															
SEP.															
OCT.															
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A. BULLID

3630

AMOCO PRODUCTION CO.
200 LORRAINE
SUITE 1200
MIDLAND, TEXAS

79701

PROSPECT
LOCATIONMESQUITE 3 FEDERAL #2
2130' FSL & 660' FWL, SEC. 3,
T-18S R-31E, EDDY COUNTY, NM
8830'PROJECTED TD
CONTRACTOR

PETERSON DRILLING

10/23/85 BUILDING LOCATION

10/24/85 DAY 1: DAY 1, OPER-WOC, DEPTH-416', PROG-416', FORM-ANHY,
DEV-1 1/4 DEG @ 416', MW-8.5, VIS-31, PH-7. TIME:
DRLG-6 1/2 HR, TRIPS-1 HR, MI & RU - 6 1/4 HR,
RUN CSG-1 1/2 HR, WOC-8 HR, CEMENTING-3/4 HR.
SPUD @ 12:30 PM ON 10-23-85.
NO COSTS AVAILABLE.
CSG REPORT: 10 JTS 13 3/8" J-55 54.5#/FT 421'
SET @ 416'. CEMENTED W/200 SKS LWIII W/ 1/4# CELLO-
FLAKE/SK & 210 SKS 'C' W/2% CACL2. PLUG DOWN @
10:00 PM. CIRC 70 SKS TO PIT.

10/25/85 DAY 2 OPER-DRLG DEPTH-2033' PROG-1617' FORM-SALT & ANHY DEV
3/4 DEG @ 909', 3/4 DEG @ 1409', 1 1/2 DEG @ 1909' MW-10 VIS
-28 PH-8 DRLG-17 1/2 HRS, TRIPS-1 HR, TOTCO-3/4 HR, WOC-4 HR
DRLG FLOAT COLLAR & SHOE-3/4 HRS DC-\$45,460 CC-\$45,460

10/26/85 DAY 3 OPER-DRLG DEPTH-2155' PROG-122' FORM-ANHY DEV 1 1/2
DEG @ 2140' MW-8.4 VIS-28 PH-9 DRLG-4 1/4 HRS, TRIPS-1 1/2
HRS, SER RIG-1/4 HR, CIRC-1 1/4 HR RUN CSG-2 1/2 HRS, CMT'G-
1 1/2 HRS, WOC/NU-12 HRS. DC-\$58,989 CC-\$104,449
RAN 51 JTS 8 5/8" 24# ST&C J-55 CSG. TOTAL OF 2147'
SET @ 2140'.

CMT W/650 SXS LW III W/6#/SALT, 1/4# CELLOFLAKE, 2% GEL
(13.1#/GAL & 1.87 YD) 200 SXS CLASS "C" W/2% CACL2. PLUG DN
@ 4:45 PM 10/25/85. CIRC 65 SXS TO PIT.

10/27/85 DAY 4 OPER-DRLG DEPTH-3220' PROG-1065' FORM-ANHY DEV 1 DEG @
2626, 1 DEG @ 3119' MW-8.4 VIS-28 PH-9 DRLG-22 1/4 HRS, TRIP
2 HRS, TOTCO-1/2 HR, SER RIG-1/4 HR DC-\$10,050 CC-\$114,499

10/28/85 DAY 5 OPER-DRLG DEPTH-3956' PROG-736' FORM-ANHY & DOLO DEV 1
3/4 DEG @ 3626', 1 3/4 DEG @ 3876' MW-8.4 VIS-28 PH-9
CL-16,000 DRLG-23 1/4 HRS, TOTCO-1/2 HR, SER RIG-1/4 HR
DC-\$12,600 CC-\$127,099

10/29/85 DAY 6 OPER-DRLG DEPTH-4640' PROG-684' FORM-ANHY & DOLO DEV
1 3/4 DEG @ 4376' MW-8.5 VIS-28 PH-9 CL-18,000 DRLG-23 1/2
HRS, TOTCO-1/4 HR, SER RIG-1/4 HR DC-\$22,450 CC-\$149,549

10/30/85 DAY 7 OPER-DRLG DEPTH-5258' PROG-618' FORM-SD & DOLO DEV 2
DEG @ 4880' MW-8.5 VIS-28 PH-9 CL-18,000 DRLG-23 1/2 HRS,
TOTCO-1/4 HR, SER RIG-1/4 HR DC-\$12,882 CC-\$162,431

10/31/85 DAY 8 OPER-DRLG DEPTH-5498' PROG-240' FORM-DOLO & SD DEV 2
1/4 DEG @ 5272', 2 1/2 DEG @ 5387', 3 DEG @ 5438' MW-8.5 VIS
28 PH-9.5 CL-18,000 DRLG-15 HRS, TRIPS-8 1/2 HRS, TOTCO-1/2
HR DC-\$11,356 CC-\$173,787

11/01/85 DAY 9 OPER-DRLG DEPTH-5815' PROG-317' FORM-DOLO & SD

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AMOCO PRODUCTION CO.
200 LORRAINE
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79701

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8830'PROJECTED TD
CONTRACTOR

PETERSON DRILLING

DEV 3 1/4 DEG @ 5531', 3 DEG @ 5595' 3 1/2 DEG @ 5792'
MW-8.5 VIS-28 PH-9 CL-22,000 DRLG-23 HRS, TOTCO-3/4 HRS, SER
RIG-1/4 DC-\$5630 CC-\$179,41711/02/85 DAY 10 OPER-DRLG DEPTH-6113' PROG-298' FORM-DOLO & SD DEV 3
3/4 DEG @ 5850', 4 DEG @ 5941', 4 DEG @ 6034' MW-8.5 VIS-28
VIS-9.5 CL-22,000 DRLG-22 1/2 HRS, TOTCO-1 1/4 HR, SER RIG-
1/4 HR DC-\$6389 CC-\$185,80611/03/85 DAY 11 OPER-DRLG DEPTH-6350' PROG-237' FORM-LI & SH
DEV 3 1/4 DEG @ 6130', 2 1/2 DEG @ 6232', 2 1/2 DEG @ 6326'
MW-8.6 VIS-28 PH-9.5 CL-16,000 DRLG-19 1/4 HRS, TRIPS-3 HRS,
TOTCO-1 1/2 HRS, SER RIG-1/4 HR DC-\$5294 CC-\$191,10011/04/85 DAY 12 OPER-DRLG DEPTH-6682' PROG-332' FORM-LI,SH & CH DEV 2
DEG @ 6405', 1 3/4 DEG @ 6528', 1 1/2 DEG @ 6631' MW-8.6 VIS
28 PH-9.5 CL-22,000 DRLG-22 1/4 HRS, TOTCO-1 1/2 HRS, SER
RIG-1/4 HR DC-\$4249 CC-\$195,34911/05/85 DAY 13 OPER-DRLG DEPTH-6848' PROG-166' FORM-LI,SH & CH DEV 1
DEG @ 6648', 1 DEG @ 6780' MW-8.5 VIS-29 PH-9 CL-16,000 DRLG
11 1/2 HRS, TRIPS-10 1/2 HRS, TOTCO-1 HR, WASH & REAM-1/2 HR
CHANGE DRLG LINE-1/2 HR DC-\$3550 CC-\$198,89911/06/85 DAY 14 OPER-DRLG DEPTH-7260' PROG-412' FORM-LI & SH MW-8.5
VIS-28 PH-9 CL-16,000 DRLG-23 HRS, SER RIG-1/4 HR, CIRC-3/4
HRS DC-\$4119 CC-\$203,01811/07/85 DAY 17 OPER-DRLG DEPTH-7546' PROG-286' FORM-LI DEV 1 1/4 DEG
@ 7259', 2 1/2 DEG @ 7468' MW-8.5 VIS-28 PH-9.5 CL-19,000
DRLG-19 3/4 HRS, TOTCO-1 HR, SER RIG-1/4 HR, CIRC SAMPLES @
7496 & 7509'-3 HRS. DC-\$8454 CC-\$211,47211/08/85 DAY 16 OPER-REAMING TO BOTTOM DEPTH-7731' PROG-185' FORM-LI
& SH DEV 2 1/4 DEG @ 7570, 2 1/4 DEG @ 7697, 2 3/4 DEG @ 7731
MW-8.5 VIS-28 PH-9 CL-19,000 DRLG-14 1/2 HRS, TRIPS-7 3/4 HR
TOTCO-1 1/2 HR, SER RIG-1/4 HR DC-\$6600 CC-\$218,07211/09/85 DAY 17 OPER-TIH W/FISH DEPTH-7851' PROG-120' FORM-LI & SH
MW-8.5 VIS-28 PH-9 CL-18,000 DRLH-9 3/4 HRS, TRIPS-5 HRS,
SER RIG-1/2 HR, CHECKING PUMP-1 1/4 HRS, MAKING UP FISHING
TOOLS-2 HRS, REAMING TO BOTTOM-5 1/2 HRS.
DC-\$5700 CC-\$223,77211/10/85 DAY 18 OPER-DRLG DEPTH-8005' PROG-154' FORM-SH & LI
DEV 2 3/4 DEG @ 7910' MW-8.5 VIS-28 PH-9.5 CL-19,000 DRLG-15
HRS, TRIPS-8 1/2 HRS, TOTCO-1/2 HR DC-\$4850 CC-\$228,62211/11/85 DAY 19 OPER-DRLG DEPTH-8264' PROG-259' FORM-SD & LI
DEV 2 3/4 DEG @ 8042', 2 DEG @ 8198' MW-8.5 VIS-28 PH-9.5
CL-19,000 DRLG-22 3/4 HRS, TOTCO-1 HR, SER RIG-1/4 HR
DC-\$6420 CC-\$235,042

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8830'PROJECTED TD
CONTRACTOR

PETERSON DRILLING

11/12/85 DAY 20: OPER-DRLG DEPTH-8533' PROG-269' FORM-DOLO DEV- 2 1/2
DEG @ 8345' MW-8.5 VIS-28 PH-9.5 CL-18000. TIME:
DRLG-23 1/4 HRS TOTCOS-1/2 HR SER RIG-1/4 HR.
DC=\$5,768 CC=\$240,810.

11/13/85 DAY 21 OPER-DRLG DEPTH-8832' PROG-299' FORM-DOLO DEV 2 DEG @
8542' MW-8.5 VIS-28 PH-9 CL-18,000 DRLG-23 1/4 HRS, TOTCO-
1/2 HRS, SER RIG-1/4 HR DC-\$3900 CC-\$244,710

11/14/85 DAY 22, OPERATION LOGGING, DEPTH 8900', PROG 68', FORM DOLO
& SHALE. DEV 2 DEG @ 8900'. MW 8.5, VIS 29, PH 9.5, CL
18,000. DRLG 5 HRS, TRIPS 5 HRS, CIRC 3 HRS, LOGGING 11 HRS
DC - \$5860; CC - \$250,070.

11/15/85 DAY 23 OPER-RUNNING 5 1/2" CSG DEPTH-8900' PROG-0' FORM-DOLO
& SD MW-8.5 VIS-28 PH-9.5 CL-18,000 TRIP-2 HRS, CIRC-5 HRS,
LOGGING-2 1/4 HRS, LD DP-6 HRS, RU & RUN 5 1/2" CSG-5 1/2 HR
NO COST AVAIL.

11/16/85 DAY 24 OPER-RD DEPTH-8900'. RUN CSG-1/4 HR, CMT-2 1/2 HRS,
RR @ 3:45 PM 11/15/85.

CSG REPORT RAN 212 JTS 5 1/2" 17# J-55 CSG 8914'
1 JT 5 1/2" 17# S-95 21

SET @ 8904' TOTAL OF 8935'
CMT W/300 SXS SELF-STRESS I (14.8#/GAL & 1.54 YD)
PLUG DN @ 9:30 AM 11/15/85. (EST TOC @ 7000')
DC-\$111,750 CC-\$361,820

11/17/85 WAITING ON PULLING UNIT

11/18/85 WO PU

11/19/85 WO PULLING UNIT

11/20/85 RU SCHLUMBERGER & RUN CBL, CCL & G/R FORM 8840-6940'. PBTD-
8840'. TOC @ 7040'. MARKER JOINT @ 6986-7007'. PERF @ 8387,
74,60,48,39,8287 & 8280' (7 SHOTS/1 SPF) RD SCHLUMBERGER &
SDFN DC-\$2050 CC-\$2050

11/21/85 MI & RU RENTAL EQUIP. RU BOP. GIH W/MODEL "R" PKR, SN &
2 3/8" TBG SDFN DC-\$2592 CC-\$4642

11/22/85 FINISH GIH W/PKR & TBG. RU HUGHES & CIRC 1% KCL & SPOT 200
GAL ACID @ 8398'. PULL PKR TO 8170' & SET. BREAK DOWN PERFS
@ 8280 TO 8387'. FORMATION BROKE @ 3000#. PUT ACID AWAY @ 3
BPM @ 3800#. ACIDIZE W/2000 GAL 7 1/2% SRA & 14 BALL SEALERS
MAX PRESS-5500 (BALLED OUT) AVG-4100, FINAL-4000. MAX RATE-4
BPM, AVG-3.8, FINAL-4 BPM. ISIP-2100, 5"-2000 (TLTR-96 BBLs)
IFL-SURF FFL-7700. REC 38 BBLs. LAST RUN HAD TRACE OF OIL.
SDFN DC-\$3709 CC-\$8351

11/23/85 SITP-200# GOOD GAS. IFL-7000' MADE 2 RUNS. 1ST RUN HAD 80%
OIL. POOH W/TBG & PKR. RU DOWELL & FRAC PERFS @ 8280-8387'

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PROSPECT
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2130' FSL & 660' FWL, SEC. 3,
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8830'PROJECTED TD
CONTRACTOR

PETERSON DRILLING

W/140,000 GAL 5% BS FRAC & 340,000# 20/40 SAND. MAX RATE-32
BPM, AVG-28, FINAL-32. MAX PRESSURE-4900, AVG-3450, FINAL-
2591#. ISIP-2545, 15"-2326. RU TO REC 3522 BBLs LOAD. OPEN
WELL TO PIT FOR FLOW BACK OVERNIGHT.

DC-\$80,879 CC-\$89,230

11/24/85 WELL FLOWED BACK ALL NIGHT. RU HUGHES & KILL WELL. RD FRAC
HD & RU BOP. GIH W/1 JT TAIL PIPE, PKR & 2 3/8" TBG. TAG
SAND @ 8710' & CIRC TO 8840. PULL PKR TO 8170 & SET. RU SWAB
IFL-SURF FFL-1000'. REC 16 BBLs. SDFN DC-\$1775 CC-\$91,005

11/25/85 SDF SUNDAY

11/26/85 SITP-0#. IFL-SURFACE FFL-2600. REC 144 BBLs. LAST RUN HAD
2% OIL. SDFN WILL PUT ON PUMP TOMORROW. DC-\$1550 CC-\$92,55511/27/85 SITP-200#. GOOD GAS. IFL-1700'. MADE 1 RUN & REC 3 BBL (30%
OIL). UNSEAT PKR & POOH. GIH W/ SN, 10 JTS TBG, TBG ANCHOR,
& 2 3/8" TBG. SET ANCHOR @ 8170' & SN @ 8494'. RD BOP & RU
PRODUCTION EQUIPMENT. START IN HOLE W/2" X 1 1/2" X 20' X 24
PUMP & 3/4" RODS. SDFN. DC=\$14,200 CC=\$106,75511/28/85 FINISH GIH W/RODS (203-3/4" RODS & 135-7/8" RODS, 1-2' X 3/4
PONY ON PUMP & 1-2' X 7/8" PONY) HANG WELL ON PROD. (262 JTS
IN-10 BELOW ANCHOR & 252 ABOVE) (13 JTS & 25-7/8" LEFT ON
LOCATION) RD & REL RENTAL EQUIP. DC-\$2350 CC-\$109,105

11/29/85 164-BW PJ 8-SPM

11/30/85 7-BO 128-BW

12/01/85 70-BO 63-BW

12/02/85 85-BO 46-BW

12/03/85 81-BO 43-BW

12/04/85 76-BO 5-BW

12/05/85 77-BO 9-BW IN 24 HRS

12/06/85 54-BO WATER TO PIT

12/07/85 60-BO 54-MCF

12/08/85 45-BO 51-MCF

12/09/85 45-BO 33-MCF

12/11/85 45-BO PUMP JACK DN

12/12/85 DOWN. HOLE IN RADIATOR, REPAIRED & STARTED @ 4:00 PM.

12/13/85 50-BO

12/14/85 68-BO

12/15/85 40-BO

12/16/85 29-BO (19 HR PROD)

12/17/85 56-BO

12/18/85 37-BO

12/19/85 33-BO IN 24 HRS

12/20/85 41-BO

3630

AMOCO PRODUCTION CO.
200 LORRAINE
SUITE 1200
MIDLAND, TEXAS

79701

PROSPECT
LOCATIONMESQUITE 3 FEDERAL #2
2130' FSL & 660' FWL, SEC. 3,
T-18S R-31E, EDDY COUNTY, NM
8830'PROJECTED TD
CONTRACTOR

PETERSON DRILLING

12/21/85 40-BO
12/22/85 39-BO
12/23/85 32-BO
12/24/85 35-BO
12/25/85 35-BO.
12/26/85 38-BO
12/27/85 35-BO
12/28/85 25-BO
12/29/85 47-BO
12/30/85 35-BO
12/31/85 42-BO
01/01/86 28-BO IN 19 HRS.
01/02/86 34-BO
01/03/86 29-BO
01/04/86 NO REPORT AVAIL.
01/05/86 NO REPORT AVAIL.
32-BO
01/06/86 NO REPORT AVAIL.
32-BO
01/07/86 25-BO
01/08/86 38 BO.
01/09/86 38-BO
01/10/86 17-BO SLUG OF WATER. PRODUCED 24 HRS
01/11/86 34-BO
01/12/86 37-BO
01/13/86 20-BO
01/14/86 45-BO
01/15/86 HOT OILED W/75 BBLs. PUMPING BACK LOAD.
01/16/86 45-BO 12-BW
01/17/86 CORRECTED 1-16-86 PRODUCTION - 45 BO.
1-17-86: 20 BO
01/18/86 1/18/86 NO REPORT AVAIL.
1/19/86 NO REPORT AVAIL.
1/20/86 NO REPORT AVAIL.
01/21/86 1/18/86 18-BO 24 HRS
1/19/86 49-BO
1/20/86 29-BO
1/21/86 15-BO
01/22/86 49-BO 24 HRS.
01/23/86 30-BO 2-BW
01/24/86 32-BO.
01/25/86 15 BO

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8830'PROJECTED TD
CONTRACTOR

PETERSON DRILLING

01/26/86 50 BO
01/27/86 30 BO
01/28/86 01-28-86 28 BO
01/29/86 28 BO. 2 BW.
01/30/86 30 BO 1 W
01/31/86 25 BO 2 WTR.
02/01/86 37-BO 1-BW
02/02/86 34-BO 1-BW
02/03/86 22-BO 1-BW IN 21 HRS
02/04/86 31-BO 1-BW
02/05/86 37-BO 4-BW GAS POL 2-4-86
02/06/86 29-BO
02/07/86 26-BO
02/10/86 DROPPED FROM REPORT.
06/24/86 MI & RU CHASE UNIT RU TO PULL RODS PMP WAS STUCK STRIP
OOH W/ 7/8" RODS NU BOP START OOH W/ 2 3/8" TBG SDFN
DC-\$2050
06/25/86 FINISH STRIPPING OOH W/ RODS, PMP & TBG. PMP WAS STUCK @
LAST JT OF TBG (PACKED W/ SAND) SDFN DC-\$1850 CC-3900
06/26/86 RIH W/ 3 3/4 BULLDOG BAILER, CAVITY & 2 3/8 TBG TO 8804
CLEANED OUT TO 8845 41' OF FILL POH W/ BAILER & 2 3/8 TBG.
RIH W/ SN, 11 JTS OF 2 3/8, TBG ANCHOR, 251 JTS OF 2 3/8 TBG
SN AT 8497' TBG ANCHOR AT 8140'. ND BOP NU WELLHEAD..SDFN
DC-2900 CC-6,800
06/27/86 RIH W/2" X 1 1/2 X 24' PMP, 1-2' X 3/4" PONY ON TOP OF PUMP
202-3/4", 135- 7/8", 1-2' X 7/8" PONY, 1-6' PONY. PUT WELL ON
PRODUCTION. RD CHASE UNIT SDFN DC-\$1450 CC-\$8,250
07/08/86 MI & RU PULLING UNIT..POOH W/RODS & PMP..UNSET ANCHOR & POOH
SDFN..DC-2050
07/09/86 RU WESTERN RUN 27,000 GAL WF-20 DWN CSG..
MAX PRESS - 3600 MAX RATE- 35 BMP
AVG PRESS - 3400 AVG RATE - 35 BPM
FINAL PRESS-3700 FIN RATE - 35 BPM
INST. SIP-2500 15 MIN-2300
TOTAL LOAD 873 BBLs SWI RD WESTERN SDFN
DC-10,450 CC-12,500
07/10/86 SICP-SIGHT VACUUM NU FLANGE NU BOP RIH W/ SN 11 JTS OF
2 3/8 TBG, 51/2" TBG ANCHOR, 251 JTS OF 2 3/8 TBG..SN @ 8497'
TBG ANCHOR @ 8140' ND BOP NU WELL HEAD RIH W/ 2" X 1 1/2"
X 24' PMP 1-2' X 3/4' PONY ON TOP OF PMP 200-2 3/4, 135- 7/8
1-2' X 7/8, 1-6' PONY RODS..PUT WELL ON PROD & SDFN
DC-1650 CC-14,150

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AMOCO PRODUCTION CO.
200 LORRAINE
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2130' FSL & 660' FWL, SEC. 3,
T-18S R-31E, EDDY COUNTY, NM
8830'PROJECTED TD
CONTRACTOR

PETERSON DRILLING

07/11/86 66-WTR.
07/12/86 56-WTR
07/13/86 9-OIL 35-WTR
07/14/86 8-OIL 24-WTR
07/15/86 O-BO 39-BW
07/16/86 4-OIL 21-WTR
07/17/86 8-OIL 18-WTR
07/18/86 DROP FROM REPORT
07/21/86 DROP FROM REPORT
07/26/86 18-OIL 15-WTR
07/27/86 15-OIL 15-WTR
07/28/86 15-OIL 3-WTR
07/29/86 DROP FROM REPORT
08/08/86 POOH W/ RODS PARTED IN THE 336TH ROD GIH TO FISH PMP.
LATCH ON & START POOH. SDFN DC-1050
08/09/86 FINISH POOH..ROD PARTED AT 2' PONY ON TOP OF PMP.. GIH W/
2" X 1 1/2" X 24' PMP NEW 2' PONY & SAME ROD DESIGN
HANG WELL ON PROD RIG DN PU.. TURN BACK TO PUMPER.
DC-1525 CC-2575
10/09/86 FINISH TOH W/RODS & TBG, RIH W/SN, 13 JTS 2 3/8", 5 1/2" TBG
ANCHOR, 251 JTS 2 3/8" TBG, SET SN @ 8497' AND TBG ANCHOR @
8140'. SDFN. DC \$1,550 CC \$9,800

LABORATORY LOCATION

API WATER ANALYSIS REPORT FORM

DATE

01/02/86

JAN

6 REC'D

LAB NO

Company <i>Heyco</i>		Sample No.		Date Sampled <i>1-2-86</i>	
Field		Legal Description		County or Parish <i>Eddy</i>	
State <i>Nm</i>		Lense or Unit <i>Mesquite</i>		Well <i>3-2</i>	
Depth		Formation		Water, B/D	
Type of Water (Produced, Supply, etc.)		Sampling Point		Sampled By <i>LMC</i>	

DISSOLVED SOLIDS

CATIONS

	mg/L	me/L
Sodium, Na (calc.)	<i>17862</i>	<i>777</i>
Calcium, Ca	<i>12000</i>	<i>598</i>
Magnesium, Mg	<i>10953</i>	<i>900</i>
Barium, Ba		

ANIONS

Chloride, Cl	<i>80230</i>	<i>2262</i>
Sulfate, SO ₄	<i>440</i>	<i>9</i>
Carbonate, CO ₃		
Bicarbonate, HCO ₃	<i>244</i>	<i>4</i>

Total Dissolved Solids (calc.)

Iron, Fe (total)

Sulfide, as H₂S

REMARKS & RECOMMENDATIONS:

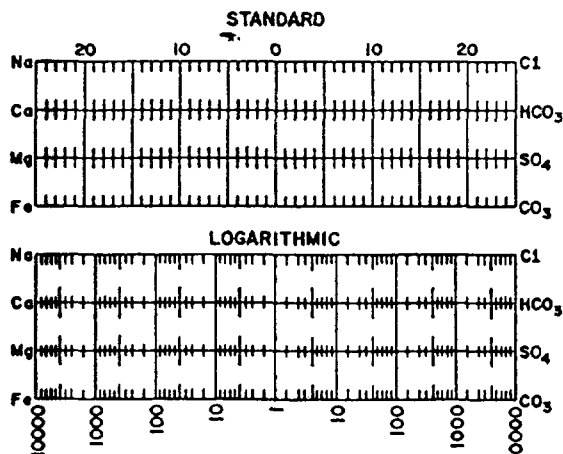
OTHER PROPERTIES

pH

Specific Gravity, 60/60 F.

Resistivity (ohm-meters) ____ F.

WATER PATTERNS — me/L



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AMOCO PRODUCTION
P.O. BOX 4072
ATTN: BILL DAVIS
ODESSA, TEXAS

79760

PROSPECT
LOCATIONMESQUITE 2 STATE #1
SEC 2 T-18S R-31E
660' FSL & 1980' FEL
9200PROJECTED TD
CONTRACTOR

01/13/85 MI RT

01/14/85 DAY 1 OPER-RU TO CMT DEPTH-616' PROG-616' FORM-RED BED &
ANHY DEV 1/2 DEG @ 473', 1/2 DEG @ 616' MW-8.8 VIS-31 PH-8
DRLG-16 1/2 HRS, TRIPS-1 1/2 HRS, CIRC-1/2 HR, REPAIRS-1 HR,
RUN 13 3/8" CSG-2 1/2 HRS, RU-2 HRS. NO COST AVAIL

01/15/85 SPUD @ 8:00 AM 1-13-85

DAY 2 OPER-DRLG DEPTH-1150' PROG-534' FORM-ANHY MW-9.0 VIS-
28 PH-9.5 DRLG-8 1/2 HRS, SER RIG-1/4 HR RUN CSG-1/4 HR, CMT
1 1/4 HRS, WOC-12 HRS, DRLG CMT FLOAT COLLAR & SHOE-1 3/4 HR
DC-\$48,187 CC-\$48,187CSG REPORT- 15 JTS 13 3/8" 55.5# J-55 618'
SET @ 616'. CMT W/300 SXS DOW-LITE III W/2% CACL2 & 1/4#/SK
CELLOFLAKE. (MIX 13.5-YIELD-1.51) & 200 SXS CLASS "C" W/2%
CACL2 (MIXED 14.8-YIELD 1.32) PLUG DN @ 8:00 AM 1-14-85
CIRC 75 SXS TO PIT01/16/85 DAY 3 OPER-DRLG DEPTH-2310' PROG-1150' FORM-ANHY DEV 1 DEG @
1656', 1 DEG @ 2042', 3/4 DEG @ 2114' MW-9.9 VIS-29 PH-9.5
CL-90,000 SOLIDS-1.2% DRLG-21 1/4 HRS, TRIPS-2 HRS, TOTCO-
1/2 HR, SER RIG-1/4 HR DC-\$9961 CC-\$58,14801/17/85 DAY 4 OPER-RUN 8 5/8" CSG DEPTH-2650' PROG-340' FORM-ANHY
DEV 1/2 DEG @ 2650' MW-10 VIS-29 PH-10 CL-150,000 SOLIDS-2%
DRLG 19 1/4 HRS, TRIPS-1 1/2 HR, SER RIG-1/4 HR, CIRC-1/2 HR
RUN 8 5/8" CSG-2 1/2 HRS DC-\$16,933 CC-\$75,08101/18/85 DAY 5 OPER-DRLG DEPTH-2805' PROG-155' FORM-DOLO MW-8.5 VIS-
28 PH-9 DRLG-4 3/4 HRS, TRIPS-1 1/2 HRS, RUN 8 5/8" CSG-1/4
HR, CMT-5 1/2 HRS, WOC-12 HRS
DC-\$4578 CC-\$79,599

CSG REPORT RAN 8 JTS 8 5/8" 32# J-55 ST&C

56 JTS 8 5/8" 24# J-55 ST&C

SET @ 2650'

CMT W/1025 SXS DOWELL LITE-WATE W/7#/SALT & 2% CACL2 & 200
SXS CLASS "C" W/2% CACL2. PLUG DN @ 11:41 AM 1-17-85 CIRC
135 SXS TO PIT.01/19/85 DAY 6 OPER-DRLG DEPTH-3410' PROG- 605' FORM-DOLO DEV 1/2 DEG
@ 3135' MW-8.4 VIS-28.5 PH-10.5 DRLG-20 HRS, TRIPS-3 1/2 HRS
TOTCO-1/4 HR SER RIG-1/4 HR DC-\$20,328 CC-\$99,92701/20/85 DAY 7 OPER-TRIP DEPTH-3919' PROG-509' FORM-DOLO DEV 3/4 DEG
@ 3631' MW-8.5 VIS-29 PH-9.5 DRLG-20 1/4 HRS, TRIPS-2 1/2 HR
TOTCO-1/2 HR, SER RIG-1/4 HR. DC-\$12,697 CC-\$112,62401/21/85 DAY 8 OPER-DRLG DEPTH-4290' PROG-371' FORM-SD & DOLO DEV 3/4
DEG @ 4125' MW-8.4 VIS-28 PH-9.5 CL-6000 DRLG-19 HRS, TRIPS-
2 HRS, TOTCO-1/2 HR DC-\$9048 CC-\$121,672

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AMOCO PRODUCTION
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79760

PROSPECT
LOCATIONMESQUITE 2 STATE #1
SEC 2 T-18S R-31E
660' FSL & 1980' FEL
9200PROJECTED TD
CONTRACTOR

01/22/85 DAY 9 OPER-DRLG DEPTH-4750 PROG-460' FORM-DOLO DEV 1 1/2 DEG @ 4620' MW-8.5 VIS-29 PH-9.5 CL-26,000 DRLG-23 1/4 HRS, TOTCO-1/2 HR, SER RIG-1/4 HR DC-\$8496 CC-\$130,168

01/23/85 DAY 10 OPER-DRLG DEPTH-5145' PROG-395' FORM-DOLO & LI MW-8.6 VIS-28 PH-9.5 CL-26,000 DRLG-17 1/2 HRS, TRIPS-6 1/4 HRS, SER RIG-1/4 HR DC-\$9488 CC-\$139,656

01/24/85 DAY 11 OPER-DRLG DEPTH-5645' PROG-500' FORM-SD & DOLO DEV 1 1/2 DEG @ 5133' MW-8.7 VIS-28+ PH-9.5 CL-26,000 DRLG-22 1/4 HRS, TOTCO-1 HR, SER RIG-1/4 HR, REPAIRS-1 HR DC-\$7167 CC-\$146,823

01/25/85 DAY 12 OPER-DRLG DEPTH-5945' PROG-300' FORM-DOLO DEV 1 DEG @ 5628' (WIRELIN) 1 1/2 DEG @ 5848' (TELEDRIFT) MW-8.6 VIS-28+ PH-9 CL-18,000 DRLG-15 HRS, TRIPS-6 HRS, TOTCO-1/2 HR, SER RIG-1/4 HR, CIRC-1 1/2 HR DC-\$9720 CC-\$156,543

01/26/85 DAY 13, OPERATION DRLG, DEPTH 6327', PROG 382', FORM DOLO. DEV 1 1/2 DEG @ 6220' & 2 1/2 DEG @ 6313'. MW 8.5, VIS 28, PH 9, CL 18,000. DRLG 23 3/4 HRS, SERVICE RIG 1/4 HR. DC - \$6977; CC - \$163,520.

01/27/85 DAY 14, OPERATION DRLG, DEPTH 6605', PROG 278', FORM LI, SH & CH. DEV 2 1/2 DEG @ 6373', 3 1/2 DEG @ 6498' & 3 DEG @ 6555'. MW 8.7, VIS 28, PH 9, CL 15,000. DRLG 23 1/2 HR, SERVICE RIG 1/2 HR. DC - \$7863; CC - \$171,383.

01/28/85 DAY 15, OPERATION TRIP, DEPTH 6797, PROG 192, FORM LI & SH. DEV 3 DEG @ 6544', 3 DEG @ 6719', 4 DEG @ 6750' & 3 1/2 DEG @ 6781'. MW 8.7, VIS 28, PH 9, CL 15,000. DRLG 18 1/2 HRS, TRIPS 4 3/4 HRS, TOTCO 3/4 HR. DC - \$5857; CC - \$177,240.

01/29/85 DAY 16 OPER-DRLG DEPTH-7015' PROG-218' FORM-LI & CH DEV 3 1/2 DEG @ 6845', 4 DEG @ 6917', 4 DEG @ 6999 MW-8.7 VIS-28 PH-9 CL-13,000 DRLG-22 HRS, TRIPS-1 3/4 HRS, SER RIG-1/4 HR DC-\$4408 CC-\$181,648

01/30/85 DAY 17 OPER-DRLG DEPTH-7260' PROG-245' FORM-LI & SH DEV 3 3/4 DEG @ 6999(WL), 3 1/2 DEG @ 7152', 3 1/2 DEG @ 7244' MW-8.7 VIS-29 PH-9 CL-20,000 DRLG-20 1/4 HRS, TRIPS-3 HRS, TOTCO-3/4 HR DC-\$5037 CC-\$186,685

01/31/85 DAY 18 OPER-DST #1 DEPTH-7330' PROG-70' FORM-DOLO & SH DEV 3 DEG @ 7330' MW-8.6 VIS-29 PH-9 CL-16,000 DRLG-5 HRS, TRIP-7 1/2 HRS, SER RIG-1/4 HR, CIRC-4 1/4 HRS, DST #1- 7 HRS DC-\$5780 CC-\$192,465

02/01/85 DAY 19 OPER-DRLG DEPTH-7490' PROG-160' FORM-SH DEV 2 1/2 DEG @ 7367', 2 1/2 DEG @ 7462 MW-8.7 VIS-29 PH9 CL-16,000 DRLG-12 3/4 HRS, REPAIRS-1 1/2 HRS, DST #1-9 3/4 HRS DC-\$5920 CC-\$198,385

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AMOCO PRODUCTION
P.O. BOX 4072
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79760

PROSPECT
LOCATIONMESQUITE 2 STATE #1
SEC 2 T-18S R-31E
660' FSL & 1980' FEL
9200PROJECTED TD
CONTRACTOR

DST #1 BONESPRING 7280-7330'

		TOP	BOTTOM
	IH	3230	3250
15"	IF	43-65	43-260
30"	ISI	3037	3033
90"	FF	325-844	304-824
180"	FSI	3058	3076
	FH	3230	3250

BHT 118 DEG. REC. 1339' FORMATION SULFUR H2O.

SAMPLER: 2100' FORMATION SULFUR H2O .019 CU FT GAS

02/02/85 DAY 20 OPER-DRLG DEPTH-7775' PROG-285' FORM-DOLO DEV-2 DEG @
7524', 2 DEG @ 7688', 2 DEG @ 7773' MW-8.9 VIS-29 PH-9 CL-
54,000 DRLG-23 3/4 HRS, SER RIG-1/4 HR DC-\$6949 CC-\$205,33402/03/85 DAY 21 OPER-DRLG DEPTH-8060' PROG-285' FORM-SD, SHALE & DOLO
DEV-2 DEG @ 7802', 1 1/2 DEG @ 7863'(WL) MW-8.8 VIS-29 PH-9
CL-36,000 DRLG-21 3/4 HRS, TOTCO-3/4 HRS, CIRC-1 1/2 HRS.
DC-\$5774 CC-\$211,10802/04/85 DAY 22 OPER-DRLG DEPTH-8355' PROG-295' FORM-DOLO DEV-2 DEG @
8112', 2 DEG @ 8300' MW-8.7 VIS-29 PH-9 CL-34,000 DRLG-23
3/4 HRS, SER RIG-1/4 HR DC-\$5442 CC-\$216,55002/05/85 DAY 23 OPER-TIH DEPTH-8510' PROG-155' FORM-DOLO MW-8.7 VIS-
29 PH-9 CL-24,000 DRLG-10 HRS, TRIPS-5 HRS, FISHING-9 HRS
DC-\$6326 CC-\$222,82602/06/85 DAY 24 OPER-DRLG DEPTH-8705' PROG-195' FORM-DOLO DEV 1 DEG @
8660' MW-8.6 VIS-29 PH-9 CL-18,000 DRLG-14 1/4 HRS, TRIPS-6
1/2 HRS, TOTCO-1/2 HR, CIRC-1/2 HR REAM-2 1/4 HR
DC-\$3447 CC-\$226,27302/07/85 DAY 25 OPER-DST #2 DEPTH-8804 PROG-99' FORM-DOLO DEV 1/2 DEG
@8804' MW-8.6 VIS-29 PH-9 CL-18,000 DRLG-5 3/4 HRS, CIRC-4
1/4 HRS, DST #2-14 HRS DC-\$4867 CC-\$231,140
DST #2 INTERVAL TESTED (8760-8804')02/08/85 DAY 26 OPER-DRLG DEPTH-9040' PROG-136' MW-8.6 VIS-29 PH-9 CL-
15,000 DRLG-12 3/4 HRS, TRIPS-7 3/4 HRS CIRC-3/4 HR DST #2-
2 3/4 HRS DC-\$8937 CC-\$240,077

DST #2	8760'-8804'	TOP	BOTTOM
	IHP	3904	3935
30"	IF	91-273	92-298
60"	ISI	3481	3463
90"	FF	296-636	321-3935
180"	FSI	3459	3663
	FHP	3904	3935

REC. 1300' SALT WTR/SL TRACE OF GAS. SAMPLER: 2600 CC OF

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PROSPECT
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SEC 2 T-18S R-31E
660' FSL & 1980' FEL
9200PROJECTED TD
CONTRACTOR

SALT WTR/125# (.0615 CFG)

WTR SAMPLE:	RW	CL
MUD PIT	.28 @ 30 DEG	18,000
TOP REC	.16 @ 57 DEG	23,000
MID REC	.13 @ 57 DEG	27,000
SAMPLER	.12 @ 51 DEG	30,000

02/09/85 DAY 27, OPERATION CIRC, DEPTH 9065', PROG 25', FORM SD, SH & DOLO, DEV 1/2 DEG @ 9065'. MW 8.6, VIS 29, PH 9, CL 15,000. DRLG 2 3/4 HRS, TRIPS 8 HRS, SERVICE RIG 1/4 HR, CIRC 3 HRS, LOG (TD @ 9065') 10 HRS,. DC - \$7544; CC - \$247,621.

02/10/85 DAY 28, OPERATION CMT 2ND STAGE, DEPTH 9065', PROG 0. LD PIPE 4 1/2 HRS, RU CSG CREW 2 HRS, RUN 5 1/2" CSG 5 3/4 HRS, CMT 2 3/4 HRS, CIRC 9 HRS,. DC - \$ 5357; CC - \$252,978.

RAN 5 1/2" CSG AS FOLLOWS:

27 JTS	17#	N-80	LT&C	1135.53'
80 JTS	17#	J-55	LT&C	3350.07'
112 JTS	15.5#	J-55	LT&C	4606.79'
219 JTS	TOTAL			9090.00'

CSG SET @ 9065', SHORT JT @ 8500' & DV @ 6303'. CMT IN 2 STAGES: 1ST STAGE - 450 SXS SELF STRESS W/10% D53 & 10% SALT. MIX 14.8 W/1.54 YIELD. PD @ 9:44 PM CIRC 6 HRS. 2ND STAGE - 375 SXS LITE WT III W/4% GEL & 5#/SX SALT. MIX 13.5 W/1.57 YIELD & 550 SXS SELF STRESS W/10% D53 & 10% SALT & MIX 14.8 W/1.54 YIELD. PD @ 6:38 A.M. RELEASE RIG @ 12:30 P.M. 2/10/85.

02/11/85 WO CU.

02/12/85 WO CU FINAL DRILLING COST \$403,140

02/13/85 WO CU

02/14/85 WO CU

02/15/85 WO CU

02/16/85 WO CU

02/17/85 WO CU.

02/18/85 WO CU

02/19/85 WO CU

02/20/85 MI & RU PULLING UNIT & REVERSE UNIT. NU BOP. GIH W/4 3/4" BIT, 5 1/2 " CSG SCRAPER, 4-DC'S & 2 3/8" TBG. TAG UP ON CMT @ 6274' SDFN DC-\$3470 CC-\$3470

02/21/85 START DRLG ON DV TOOL @ 6302. TEST DV TOOL TO 1500#/30". CLEAN OUT TO 9009'. CIRC HOLE CLEAN & POOH W/BIT, DC'S & TBG RU WELEX & RUN G/R, CCL, CBL FROM 9000 TO 2000'. TOC-2600'. RD WELEX SDFN DC-\$2325 CC-\$5795

02/22/85 RU WELEX & PERF 8864-67', 8874-78', 8886-90' (2 SPF) GIH W/

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PROSPECT
LOCATIONMESQUITE 2 STATE #1
SEC 2 T-18S R-31E
660' FSL & 1980' FEL
9200PROJECTED TD
CONTRACTOR

MOD R PKR, SN & 2 3/8" TBG. RU HUGHES & SPOT 200 GAL 20% SRA @ 8919'. PULL PKR TO 8756' & SET. BK DN PERFS @ 2900#. PUT ACID AWAY @ 1 BPM @ 3800#. ISIP-3000, 15"-VAC. TLTR-47 BBLs. IFL-600' FFL-3000'. REC. 30 BBLs, 17 BBLs TO REC. SDFN DC-\$8859 CC-\$14,654

02/23/85 SITP-20# IFL-1300#. REC 15 BBLs FFL-5000. RU HUGHES & ACID. PERFS 8867-8906' W/5000 GAL 20% SRA W/60 BALL SEALERS. AVG-3.1 @ 3000, MAX-3.3 @ 3800. ISIP-1200, 5"-100/VAC IN 6". (SOME BALL ACTION) RU TO REC 158 BBLs/IFL-600 REC. 95 BBLs FFL-1300 NO SHOWS 63 BBLs TO REC. SDFN DC-\$9201 CC-\$23,855

02/24/85 SITP-20# IFL-1300. REC 88 BBLs NO SHOWS. FFL-1500". (25 BBLs OVER LOAD) POOH W/TBG & PKR SDFN DC-\$1750 CC-\$25,605

WATER ANALYSIS-

NA	32,148	SP GR	1.10
CA	15,000	PH	6.5
MG	8,519	CL	87,500
S04	250	HCO3	601

02/25/85 SDF SUNDAY

02/26/85 RU WELEX & SET CIBP @ 8850 & 17' CMT ON TOP. PERF 8646,38,34 30,26,14,12,06, & 8597,88,81,68,64' (1 SPF) 2ND SANDS. GIH W/5 1/2" MOD R PKR, SN & 2 3/8" TBG TO 8658'-RU HUGHES & SPOT 200 GAL 7 1/2% SRA. PULL PKR & SET @ 8463'. FORM BRK @ 1/4 BPM @ 2500#. PUT ACID AWAY @ 2BPM @ 2500#. ISIP-1900, 5" 1800. TLTR-49 BBLs. RU SWB IFL-SURFACE. FFL-7000'. REC 20 BBLs IN 6 RUNS. (NO SHOWS) SDFN DC-\$8097 CC-\$33,702

02/27/85 SITP-50# GOOD GAS. IFL-5500'. REC 8 BBLs (5-OIL & 3-WTR) FFL SN. RU HUGHES & ACID. W/4000 GAL 7 1/2% SRA & 40 BALL SEALERS. MAX RATE-4 1/2 BPM @ 3900#, AVG-4 @ 3600#. ISIP-1900, 5"-1800. TLTR-132 BBLs. RU TO REC LOAD. IFL-SURFACE/FFL-SN. REC 45 BBLs. FAIR SHOW OF GAS/5% OIL CUT. (87 BBLs LD TO REC.) POOH W/TBG. SDFN. FRAC IN THE MORNING. DC-\$8600 CC-\$42,302

02/28/85 RD BOP/RU FRAC HEAD & RU DOWELL & FRAC PERFS 8564-8646' W/100,000 GAL EZ FRAC 60 W/209,000 #20/40 SAND. MAX-50 BPM @ 4400#, AVG-46 @ 3700, FINAL-46 @ 3700. ISIP-2400#/15"-2050#. TLTR-2534 BBLs. RD DOWELL/SI FOR 6 HRS. OPEN WELL @ 8:30 PM W/1600# ON 1/2" CK. FLOW WELL ALL NIGHT. DC-\$88,032 CC-\$130,334

03/01/85 FLOWED WELL W/2"CK 100# FROMMIDNIGHT TO 3:00 AM. WELL DIED. RD FRAC HEAD/RU BOP. GIH W/TBG TO 8800' & CIRC HL CLN. W/1% KCL. POOH W/TBG. RU WELEX & PERF @ 8467,59,50,29,23,19,8395,88,& 78'. (9 HOLES-1 SPF) GIH W/RBP, PKR, SN & 2 3/8" TBG.

3630

AMOCO PRODUCTION
P.O. BOX 4072
ATTN: BILL DAVIS
ODESSA, TEXAS

79760

PROSPECT
LOCATIONMESQUITE 2 STATE #1
SEC 2 T-18S R-31E
660' FSL & 1980' FEL
9200PROJECTED TD
CONTRACTOR

SDFN (NOTE: HAD GOOD SHOW OF GAS & SHOW OF OIL WHEN REV. HL
CLN.) DC-\$4500 CC-\$134,834

03/02/85 FIN GIH W/RBP, PKR & TBG. SET RBP @ 8534 & TST-OK. PULL PKR
TO 8469'. RU HUGHES & SPOT 125 GAL 7 1/2% SRA-PULL PKR TO
8306' & BREAK DN PERFS @ 8378'-8467'. BROKE @ 2500#-PUT ACID
AWAY. ACID W/ 2500 GAL 7 1/2% SRA & BALL SEALERS. MAX RATE-
4 BPM @ 5500/AVG 3.7 BPM @ 3500/FINAL 4 BPM @ 3100#. ISIP-
2100, 5"-2075, TLTR-96 BBLs. RU TO REC LD. IFL-SURF. FFL-
8306' (SN) REC 33 BBLs (LAST RUN HAD 25% OIL CUT W/FAIR GAS)
SDFN DC-\$6715 CC-\$141,549

03/03/85 SITP-120# (GD GAS) IFL-6500' MADE 5 RUNS-REC 9 BBLs OIL. FFL
8200'. POOH W/PKR & TBG-RD BOP/RU FRAC HEAD. SDFN
DC-\$6394 CC-\$147943

03/04/85 SDF SUNDAY

03/05/85 RU DOWELL & FRAC PERFS @ 8378-8467' W/70,000 GAL EZ FRAC 60
& 136,000# 20/40 SAND. MAX RATE 28 BPM @ 4400#, AVG 28 @
4400#, FINAL-28 @ 3700#. ISIP-2300/5"-2200/15"-2150. TLTR-
2023 BBLs. SWI FOR 6 HRS. OPEN WELL @ 5:00 PM ON 1/2" CK W/
170#. FLOW WELL TO PIT ALL NIGHT. DC-\$61,450 CC-\$209,393

03/06/85 FLOWED WELL ALL NIGHT TO PIT. WELL DIED @ 6:00 AM. RD FRAC HD
RU BOP. GIH W/RET HEAD & TBG TO 8500'. (34' FILL) RU DOWELL
& CIRC HOLE CLN. POH W/RBP & TBG. RU WELEX & PERF 8188,72,71
,70,61,47,35,31 & 24 (1 SPF/9 HOLES). GIH W/RBP, PKR & TBG.
SDFN DC-\$4932 CC-\$214,325

03/07/85 FIN GIH W/RBP, PKR & TBG. SET RBP @ 8306 & TEST-OK. PULL PKR
TO 8190'. RU HUGHES & SPOT 200 GAL 7 1/2% SRA. PULL PKR TO
8046' & SET. BREAK DN PERFS 8124-8188'. BROKE @ 2500#. PUT
ACID AWAY. ACID W/2500 GAL 7 1/2% SRA & BALLSEALERS. MAX
RATE-4.5 BPM @ 6000 (BALLED OUT) AVG-4 @ 3600, FINAL-4.5 @
3600. ISIP-2000/5"-1800 (TLTR-94 BBLs) RU TO SWB. IFL-SURF.
FFL-8000'. REC 34 BBLs. LAST RUN HAD GD GAS & 4% OIL CUT.
POOH W/PKR & TBG. RD BOP/RU FRAC HEAD. SDFN
DC-\$5042 CC-\$219,367

03/08/85 RU DOWELL & FRAC PERFS 8124-8188' W/70,000 GAL EZ FRAC 60 &
150,000# 20/40 SAND. MAX RATE-36 BPM @ 3800#, AVG RATE-34 @
3300, FINAL-36 @ 3700. ISIP-2250, 15"-1970. TLTR-2030 BBLs.
RD DOWELL. SI FOR 6 HRS. OPEN WELL @ 4:00 PM TO REC LD.
LEAVE WELL FLOWING OVERNIGHT. DC-\$61,010 CC-\$280,377

03/09/85 WELL FLOWED TO MORNING, RD FRAC HD/RU BOP. GIH W/RET HD &
TBG TO 8299'. RU DOWELL & CIRC SAND OFF RBP. POOH W/RBP &
TBG. GIH W/SN, 21 JTS TBG, 5 1/2" ANCHOR & 2 3/8" TBG SDFN
DC-\$2792 CC-\$283,169

3630

AMOCO PRODUCTION
P.O. BOX 4072
ATTN: BILL DAVIS
ODESSA, TEXAS

79760

PROSPECT
LOCATIONMESQUITE 2 STATE #1
SEC 2 T-18S R-31E
660' FSL & 1980' FEL
9200PROJECTED TD
CONTRACTOR

03/10/85 SITP-0 CONT GIH W/TBG. TBG ANCHOR @ 8038'. ND BOP/NU TREE.
RU TO SWAB. IFL-SURF REC 25 BBLS, LOST SWAB IN HOLE. POOH W/
TBG. GIH W/TBG & ANCHOR SDFN DC-\$1350 CC-\$284,519

03/11/85 IFL-100' REC 140 BBLS FFL-1600' GD GAS & TRACE OF OIL
DC-\$1350 CC-\$285,869 (NOTE: 21 JTS TAIL PIPE, TBG ANCHOR &
247 JTS TBG) SN @ 8721', TBG ANCHOR @ 8038'.

03/12/85 SITP-100. RD TREE/RU PUMPING EQUIP. GIH W/2" X 1 1/4" X 20'
X 24' PUMP, 1-2' X 3/4" PONY, 169-3/4" RODS, 137-7/8" RODS,
1-2' X 7/8" PONY, 1-4' X 7/8" PONY, 2-8' X 7/8" PONIES. HOOK
UP POLISH ROD & STUFFING BOX. HANG WELL ON PROD. REL ALL
RENTAL EQUIP. DC-\$950 CC-\$286,819
STARTED @ APPROX. 2:00 PM 3-11-85

03/13/85 57-BW IN 24 HRS
03/14/85 95-BW IN 24 HRS
03/15/85 95-BW IN 24 HRS. STARTED CUTTING OIL IN THE P.M. OF 3-14-85.
03/16/85 73-BW 29-BO IN 24 HRS
03/17/85 64-BW 30-BO IN 24 HRS
03/18/85 16-BW 44-BO PJ DN. MOTOR DIED. RESTARTED.
03/19/85 20-BO 104-BW IN 24 HRS
03/20/85 40-BO 131-BW IN 24 HRS
03/21/85 118 BO & 117 BW.
03/22/85 102 BO & 281 BW.
03/23/85 236-BO 83-BW IN 24 HRS
03/24/85 257-BO 37-BW IN 24 HRS
03/25/85 72-BO. SI CSG. PUT ON PUMP
03/26/85 107-BO UNKNOWN AMOUNT OF WTR
03/27/85 104-BO UNKNOWN AMT OF WTR
03/28/85 99-BO 41-BW IN 24 HRS
03/29/85 130-BO 50-BW IN 24 HRS
03/30/85 30-BO 50-BW IN 24 HRS
03/31/85 126-BO 54-BW IN 24 HRS
04/01/85 PJ DN 44-BO IN 5 HRS
04/02/85 117-BO 63-BW IN 24 HRS. 628 BBLS LOAD TO REC
04/03/85 RU. KILL WELL. COME OOH W/RODS & 1 1/4" PUMP. GIH W/RODS &
1 1/2" PUMP. HANG ON. RD. CHANGE STROKES FROM 100 TO 120.
PUT BACK ON PROD. DC-\$875 CC-\$875
119-BO 61-BW 577-BLTR

04/04/85 GAS LOCKED PUMP. LOWERED RODS & TAGGED. PUMPING BACK. 5-BO
30-BW 547-BLTR

04/05/85 125-BO 95-BW 452-BLTR
04/06/85 128-BO 92-BW (360 BLTR)
04/07/85 86-BO, WTR UNKNOWN, GAS LOCKED-RESTRTD @ 8:30 AM

3630

AMOCO PRODUCTION
P.O. BOX 4072
ATTN: BILL DAVIS
ODESSA, TEXAS

79760

PROSPECT
LOCATIONMESQUITE 2 STATE #1
SEC 2 T-18S R-31E
660' FSL & 1980' FEL
9200PROJECTED TD
CONTRACTOR

04/08/85 126-BO 94-BW (176 ESTIMATED BLTR)
04/09/85 109-BO 111-BW (ESTIMATED 65-BLTR)
04/10/85 100-BO 120-BW
04/11/85 116-BO 112-BW IN 24 HRS
04/12/85 64-BO WTR UNKNOWN IN 24 HRS
04/13/85 GAS LOCKED. 2-BO 0-BW
04/15/85 PJ-DN, GAS LOCKED. 14-BO
GAS LOCKED. 0-PROD
04/16/85 RU CHASE WELL SERVICE. ND TREE & START PULLING RODS. PULL &
WAREHOUSE RODS. SDFN NO COST AVAIL
04/17/85 FIN. LD RODS. PUT ON BOP. PULL TBG. LD TBG ANCHOR & 683' TBG
PUT ON LOC-SET PKR. GIH W/247 JTS TNG. PKR @ 8026'. WELL
STARTED FLOWING, LEFT WELL FLOWING OVERNIGHT.
DC-\$1300 CC-\$2200
04/18/85 247-BO 22-BW 45#-TP
CIRC PKR FLUID & SET PKR @ 8026' W/12,000# COMPRESSION.
TEST PKR. RU SWAB, REC. 45-BO & 15-BW SDFN
DC-\$1297 CC-\$3497
04/19/85 70-BO 42-BW 260# TP IN 24 HRS
04/20/85 SWABBING & INTERMITTANT FLOWING ON 100#-TP-REC 77-BO & 36-BW
04/21/85 SWABBING & INTERMITTANT FLOWING ON 30# TP-REC 74-BO & 34-BW
04/22/85 SWABBING & INTERMITTANT FLOWING ON 10# TP-REC 106-BO & 22-BW
04/23/85 SITP-275#. OPEN WELL ON 32/64" CK. FLOWED FOR 1 1/2 HRS.
MADE 25-BO. RU SWAB. IFL-1900' SWABBED & FLOWED 101-BO & 24-
BW. LEFT WELL OPEN ON 32/64" CK W/50# FTP. DC-\$850 CC-\$850
04/24/85 SWAB BACK 95-BO 24-BW WITH SMALL AMOUNT OF INTERMITTANT
FLOWING
04/25/85 SWABBED W/INTERMITTANT FLOWING. REC. 117-BO 25-BW W/90# TP.
04/26/85 80#-TP 24/64" CK 113-BO 19-BW
04/27/85 RU MASTER WELL SERVICE. PUMP 40 BBLS 1% KCL DN TBG TO KILL
WELL. ND TREE/PUT ON BOP. UNSET PKR & PULL TBG. TAKE OFF
5 1/2" LOC-SET PKR. RUN SN (@ 8666'), 23 JTS TBG, TBG ANCHOR
(@ 7930'), 244 JTS TBG. (TOTAL JTS TBG IN HOLE-267) SET TBG
ANCHOR W/14,000# TENSION. START RUNNING RODS.
04/28/85 FINISH RUNNING RODS. SPACE PUMP OUT. NU TREE. PUT ON PJ.
PUT BACK ON PROD.
04/29/85 6-BO PJ MOTOR DN DUE TO WEATHER
04/30/85 6-BO IN 24 HRS
05/01/85 3-BO 92-BW NO PUMP ACTION
05/02/85 RU MASTER WELL SERVICE. PULL RODS & PUMP, ADD 45' TO TBG
STRING TO TAG TD. (105' FRAC SAND IN HOLE) RU SAND PUMP &
PUMP 10' IN 2 RUNS. DC-\$1392 CC-\$1392

3630

AMOCO PRODUCTION
P.O. BOX 4072
ATTN: BILL DAVIS
ODESSA, TEXAS

79760

PROSPECT
LOCATIONMESQUITE 2 STATE #1
SEC 2 T-18S R-31E
660' FSL & 1980' FEL
9200PROJECTED TD
CONTRACTOR

05/03/85 SAND PUMP 25' FRAC SAND. TD @ 8735'. GIH W/SN & 23 JTS TBG,
TBG ANCHOR & 244 JTS TBG. (TOTAL OF 267 JTS) SN @ 8666'. TBG
ANCHOR @ 7930'. RUN 2-1 1/2' X 24' PUMP, 207-3/4", 138-7/8"
RODS(TOTAL OF 345 RODS) PUT BACK ON PROD.

05/04/85 135-BO 34-BW

05/05/85 34-BO 70-BW

05/06/85 0-BO 0-BW GAS LOCKED

05/07/85 186-BO 39-BW 10 SPM

05/08/85 145-BO 42-BW

05/09/85 180-BO 72-BW

05/10/85 174-BO 45-BW

05/11/85 192-BO 33-BW

05/12/85 178-BO 42-BW

05/13/85 175-BO 39-BW

05/14/85 165-BO 50-BW

05/15/85 173-BO 34-BW

05/16/85 171-BO 41-BW

05/17/85 183-BO 38-BW

05/18/85 163-BO 39-BW

05/19/85 155-BO 47-BW

05/20/85 187-BO 56-BW

05/21/85 DROPPED FROM REPORT

07/11/85 122-BO 34-BW.

09/17/85 QUIT PUMPING, LOWER RODS 10" & TAGGED. STILL NO PUMP ACTION.
16-BO 5-BW09/18/85 MI & RU CHASE UNIT. POOH W/RODS. RODS PARTED ON 321ST ROD.
RIH & FISH PUMP. POOH W/RODS & PUMP. SDFN
DC-\$850 CC-\$85009/19/85 RUN BACK IN HOLE W/PUMP & RODS. PUT WELL ON PROD. RD CHASE
UNIT. DC-\$650 CC-\$1500

09/20/85 DN. PROD 12 HRS-MADE 50-BO 9-BW

09/21/85 101-BO 6-BW

09/22/85 63-BO 7-BW 12 HRS PROD. BELTS BURNED UP

09/23/85 110-BO 10-BW

09/24/85 90-BO 17-BW 11-SPM

09/25/85 135-BO 16-BW

09/26/85 86-BO 9-BW

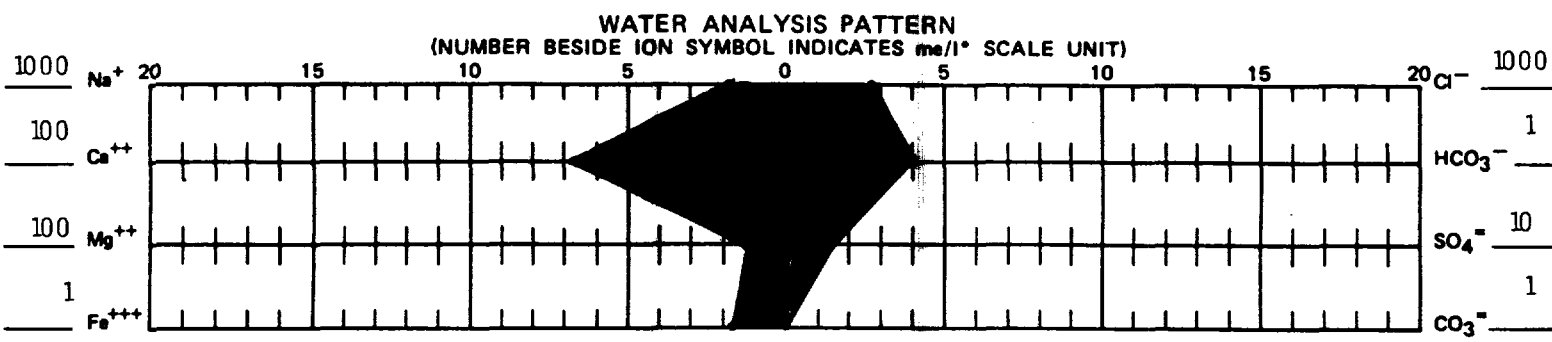
09/27/85 112 BO, 16 BW

09/28/85 57-BO 20-BW

09/29/85 58-BO 3-BW

09/30/85 88-BO 30-BW DROPPED FROM REPORT UNTIL FURTHER NOTICE

COMPANY HEYCO				ANALYSIS NUMBER 0900	
COMPANY ADDRESS				DATE 5-16-85	
FIELD MESQUITE			COUNTY OR PARISH EDDY		STATE NM
LEASE OR UNIT MESQUITE		WELL(S) NAME OR NO. # 22-1		WATER SOURCE (FORMATION) BONG SPRINGS	
DEPTH, FT.	BHT, °F	SAMPLE SOURCE	TEMP, °F	WATER, BBL/DAY	OIL, BBL/DAY
DATE SAMPLED 5-16-85		TYPE OF WATER ☒ PRODUCED ☐ SUPPLY ☐ WATERFLOOD ☐ SALT WATER DISPOSAL			


DISSOLVED SOLIDS

CATIONS	me/l*	mg/l*
Total Hardness	800	
Calcium, Ca ⁺⁺	680	13600
Magnesium, Mg ⁺⁺	120	1464
Iron (Total) Fe ⁺⁺⁺	1.6	30
Barium, Ba ⁺⁺	-----	-----
Sodium, Na ⁺ (calc.)	1780	40940

DISSOLVED GASES

Hydrogen Sulfide, H ₂ S	-0- mg/l*
Carbon Dioxide, CO ₂	158.4 mg/l*
Oxygen, O ₂	0.8 mg/l*

PHYSICAL PROPERTIES

pH	6.00
Specific Gravity	1.130
Total Dissolved Solids (calc.)	179948 mg/l*
Stability Index @ 20 °C	+0.75
CaSO ₄ Solubility @ 20 °C	17.9 me/l*
Max. CaSO ₄ Possible (calc.)	14.6 me/l*
Max. CaSO ₄ Possible (calc.)	me/l*

ANIONS	me/l*	mg/l*
Chloride, Cl ⁻	2563	123000
Sulfate, SO ₄ ⁼	14.6	700
Carbonate, CO ₃ ⁼	-0-	-0-
Bicarbonate, HCO ₃ ⁻	4	244
Hydroxyl, OH ⁻	-0-	-0-
Sulfide, S ⁼	-0-	-0-

Residual Hydrocarbons _____ ppm(Vol/Vol)

TOTAL SOLIDS (QUANTITATIVE)
179978
REMARKS AND RECOMMENDATIONS:

 AT 20'C MODERATE CARBONATE SCALING
 AT 20'C CALCIUM SULFATE SCALING IS UNLIKELY

*NOTE: me/l and mg/l are commonly used interchangeably for epm and ppm respectively. Where epm and ppm are used, corrections should be made for specific gravity.

BAKER OIL TREATING REPRESENTATIVE JOHN COCKRUM		ADDRESS		TELEPHONE	
ANALYZED BY: BOB WALLACE		DATE 5-16-85	DISTRIBUTION	OFF:	RES:

MS-402

3630

AMOCO PRODUCTION
200 N. LORRAINE
SUITE 1200
MIDLAND, TEXAS

79701

PROSPECT
LOCATIONMESQUITE 2 STATE #2
SEC 2 T-18S R-31E
660' FSL & 660' FELPROJECTED TD
CONTRACTOR9100
PETERSON DRILLING

07/12/85 DAY 1 OPER-DRLG DEPTH-303' PROG-303' MW-8.5 VIS-28 PH-7 DRLG
7 HRS, REPAIRS-1 HR, MI & RU DRLG RIG-5 1/2 HRS.
SPUD @ 10:00 PM 7-11-85. NO COST AVAIL

07/13/85 DAY 2 OPER-DRLG DEPTH-611' PROG-208' FORM-RED BED & ANHY
DEV-1/4 DEG @ 450' MW-8.5 VIS-28 PH-9 DRLG-5 3/4 HRS, TRIPS-
1 3/4 HRS CIRC-1/4 HR RUNNING CSG-1 1/2 HRS CEMENT-1 HR WOC-
12 HRS. TEST CSG 600# FOR 30 MIN DC:\$31500 CC:\$31500
RAN SURFACE CSG 11 JTS 13 3/8"-54.5 # ST/C 453.03'
SET @ 450'
CEMENT W/ 250 SKS LITWATE III & 2% GEL & 1/4#/CELFLAKE & 2%
CACL2 (13.5#/GAL & 1.61 YD) & 200 SKS 'C' W/2% CACL2 (14.8 #/
GAL & 1.32 YD) CIRCL. 120 SKS TO PIT. PLUG DOWN @ 2:35 PM
7-12-85. SPUD @10:00 PM 7-11-85.

07/14/85 DAY3 OPER-DRLG DEPTH-2248' PROG-1637 FORM-ANHY DEV- 1/2 DEG
@ 923', 1/2 DEG @ 1414', 1 DEG @ 1916' MW-10.0 VIS-28 PH-9
CL-150,000 DRLG-23 HRS TOTCOS-3/4 HRS SERV RIG-1/4 HR
DC:\$22,200 CC:\$53,700.

07/15/85 DAY 4 OPER-WOC DEPTH-2364' PROG-116' FORM-ANHY DEV- 3/4 DEG
@ 2248', 3/4 DEG @ 2364' MW-10.1 VIS-29 PH-8 CL-195000 DRLG-
3 HRS, TRIPS-6 1/2 HRS, CIRC-1/2 HR RUN 8 5/8" CSG-3 1/2 HR
CEMENT-1 1/2 HRS WOC-9 HRS. DC:\$28,950 CC:\$82,650.
INTERMEDIATE: 58 JTS- 8 5/8"-24 # ST/C-2365' SET @ 2364'.
CEMENT W/1000 SKS LITWATE III W/2% GEL, 1/4#/CELFLAKE & 2%
CACL2 (13.5 # & 1.61 YD) & 200 SKS 'C' W/2% CACL2 (14.8 # &
1.32 YD). CIRC 270 SKS TO PIT. PLUG DOWN @ 9:00 PM 7-14-85.

07/16/85 DAY 5: OPER-DRLG DEPTH-3195' PROG-831' FORM-ANHY & SAND
DEV-1 DEG @ 2846' MW-8.5 VIS-28 PH-9 CL-13000
DRLG-18 1/2 HRS TOTCOS-1/4 HR WOC-3 HRS-TEST 1200#/
30 MIN-OK DRLG CEMENT-2 1/4 HRS. BHA-SLICK.
DC:\$44,590 CC:\$127,240

07/17/85 DAY 6: OPER-DRLG DEPTH=3980' PROG=785' FORM=DOLO DEV=1 DEG @
3326', 1-3/4 DEG @ 3823' MW=8.5 VIS=28 PH=9.5
CL=13000 DRLG:23-1/4 HRS TOTCOS:1/2 HR SER RIG:1/4 HR
DC=\$14,730 CC=\$141,970

07/18/85 DAY 7: OPER-DRLG DEPTH=4704' PROG=724' FORM=DOLO & SAND
DEV=1 DEG @ 3989', 3/4 DEG @ 4358' MW=8.5 VIS=28 PH=9
CL=15000 DRLG=23 HRS, TOTCOS=3/4 HR, SERV RIG=1/4 HR
DC=\$15,796 CC=\$157,766

07/19/85 DAY 8: OPER=TRIP FOR BIT DEPTH=5357' PROG=653' FORM=DOLO
DEV=1-1/2 DEG @ 4867', 1-3/4 DEG @ 4993', 1-3/4 DEG @
5162' MW=8.6 VIS=28 PH=9 CL=15000. DRLG=22 HRS
TOTCOS=3/4 HR SERV RIG=1/4 HR.

3630

AMOCO PRODUCTION
200 N. LORRAINE
SUITE 1200
MIDLAND, TEXAS

79701

PROSPECT
LOCATIONMESQUITE 2 STATE #2
SEC 2 T-18S R-31E
660' FSL & 660' FELPROJECTED TD
CONTRACTOR9100
PETERSON DRILLING

DC=\$13,940 CC=\$171,706
07/20/85 DAY 9: OPER=DRLG, DEPTH=5808', PROG=451', FORM=DOLO & SAND,
DEV=1 1/2 DEG @ 5357', 1 3/4 DEG @ 5495', MW=8.6,
VIS=28, PH=9, CL=15000, TIME: DRLG=17 1/2 HR,
TRIPS=4 1/2 HR, TOTCOS=1/2 HR, WASH & REAM TO BOTTOM
1/2 HR. DC=\$15,796 CC=\$187,502
07/21/85 DAY 10: OPER=DRLG, DEPTH=6249', PROG=441', FORM=DOLO,
DEV=1 3/4 DEG @ 5776', 1 3/4 DEG @ 6117', MW=8.6,
VIS=28, PH=9, CL=14000 TIME: DRLG=23 1/4 HR,
TOTCOS=1/2 HR, SERV RIG=1/4 HR.
DC=\$9,260 CC=\$196,762
07/22/85 DAY 11: OPER=TRIP FOR HOLE IN PIPE, DEPTH=6629', PROG=380',
FORM=LM & CHERT, DEV=2 DEG @ 6431', 2 DEG (TELE) @
6470', 1 1/2 DEG (TELE) @ 6597', MW=8.6, VIS=28,
PH=9, CL=12000. TIME: DRLG=20 HR, TRIPS=3 1/4 HR,
TOTCOS=1/2 HR, SERV RIG=1/4 HR.
DC=\$7,890 CC=\$204,652
07/23/85 DAY 12: OPER-BIT TRIP, DEPTH=6936', PROG=307', FORM=LM&CHERT
DEV-1 1/2 DEG @ 6659', 2 1/2 DEG @ 6683', 2 DEG @
6902', MW=8.6, VIS=28, PH=9, CL=12000. TIME: DRLG-
21 1/4 HR, TRIPS=2 HR, TOTCOS=1/2 HR, SER RIG=1/4 HR
DC=\$7,300 CC=\$211,952
07/24/85 DAY 13: OPER=DRLG, DEPTH=7186', PROG=250', FORM=LM & CHERT,
MW=8.6, VIS=28, PH=9, CL=12000, DEV=2 DEG @ 6936',
3 DEG @ 7186'. TIME: DRLG=13 1/2 HR, TRIPS=8 1/4 HR,
REAMING=2 1/4 HR. DC=\$7,260 CC=\$219,212
07/25/85 DAY 14: OPER=DRLG, DEPTH=7427', PROG=241', FORM=LM & CHERT,
DEV=2 1/2 DEG @ 7217', 3 1/2 DEG @ 7344', 3 1/2 DEG
@ 7407', MW=8.6, VIS=28, PH=9, CL=25000. TIME: DRLG-
23 HRS, TOTCOS=1 HR. DC=\$5,500 CC=\$224,712
07/26/85 DAY 15: OPER=DRLG, DEPTH=7634', PROG=207', FORM=LM & SAND,
DEV=3 1/2 DEG @ 7436', 3 DEG @ 7540', 2 DEG @ 7662',
MW=8.6, VIS=28, PH=9, CL=24000, TIME: DRLG=20 HRS,
TRIPS=4 HRS. DC=\$7,058 CC=\$231,770
07/27/85 DAY 16 OPER=DRLG DEPTH=7810' PROG=176' FORM=LI & DOLO MW=8.6
VIS=28 PH=9 CL=14,000 DRLG=17 1/2 HRS, TRIPS=5 3/4 HRS, REP-
3/4 HRS DC=\$4105 CC=\$235,875
07/28/85 DAY 17 OPER=DRLG DEPTH=8132' PROG=322' FORM=LI & DOLO
DEV 2 1/2 DEG @ 7985' MW=8.5 VIS=28 PH=9 CL=13,000 DRLG=23
1/2 HRS, TOTCO=1/2 HR DC=\$4404 CC=\$240,279
07/29/85 DAY 18 OPER=DRLG DEPTH=8456' PROG=324' FORM=LI & SH MW=8.6
VIS=28 PH=9.5 CL=21,000 DRLG=15 3/4 HRS, TRIPS=8 HRS, SER

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RIG-1/4 HR DC-\$5863 CC-\$246,142

07/30/85 DAY 19 OPER-DRLG DEPTH-8882' PROG-426' FORM-LI & SH
DEV 1 1/2 DEG @ 8667' MW-8.7 VIS-28 PH-9.5 CL-23,000 DRLG-23
1/4 HRS, TOTCO-1/2 HR, SER RIG-1/4 HR DC-\$6350 CC-\$252,49207/31/85 DAY 20 OPER-LOGGING DEPTH-9075' PROG-193' FORM-LI & SD DEV
1 1/2 DEG @ 9075' MW-8.7 VIS-28 PH-9 CL-30,000 DRLG-9 1/4 HR
TRIPS-4 3/4 HRS, CIRC-3 1/2 HRS, LOGGING-6 1/2 HRS.
TD @ 3:15 PM 7/30/85. LOGGERS TD @ 9084'.
DC-\$6200 CC-\$258,69208/01/85 DAY 21 OPER-LD DP DEPTH-9086' PROG-0' FORM-LI & SD MW-8.7
VIS-28 PH-9 CL-26,000 CIRC 1 1/2 HRS, REPAIRS-2 1/2 HRS,
LOGGING-10 1/2 HRS, WASH TO BOTTOM-1 1/2 HRS, LD DP-8 HRS.
DC-\$27,931 CC-\$286,62308/02/85 DAY 22 OPER-RD DEPTH-9086' CIRC 6 HRS, LD DP & RUN 5 1/2"
CSG, ND BOP & SET SLIPS-6 HRS. DC-\$132,600 CC-\$419,223
RAN 216 JTS 5 1/2" J-55 17# 9070.3'
1 JT 5 1/2" N-80 17# 20.7'
SET @ 9086' TOTAL OF 9091'.

DV TOOL @ 5991' MARKER JT @ 7088-7109'

CMT 1ST STAGE W/250 SXS DOLWELL LT WT IV W/6.9#/SX SALT,
1/4# D-29, 300 SXS SELF STRESS 1, 10% D-53, 10% SALT, 1/4#
D-29, 2.5% SAND. PD @ 3:00 PM 8/1/85. CIRC 6 HRS. CIRC 50
SXS TO PIT.2ND STAGE 630 SXS LT WT IV W/SAME ADDITIVES AS 1ST STAGE.
325 SXS SELF STRESS 1, 10% D-53, 10% SALT, 1/4# D-29.
PD @ 10:00 PM. RR @ 4:00 AM 8/2/85

08/03/85 WAITING ON COMPLETION UNIT

08/04/85 MI & RU CHASE UNIT. ND TREE/NU BOP SDFN DC-\$815 CC-\$815

08/05/85 SDF SUNDAY

08/06/85 MI RENTAL EQUIP & 2 3/8" TBG. GIH W/4 3/4" BIT, 5 1/2" CSG
SCRAPER, 4-3 1/2" DC'S & TBG TO 5983'. RU STAR TOOL & DRILL
OUT DV TOOL. TEST TO 1500# FOR 30". HELD OK. SDFN
DC-\$4450 CC-\$526508/07/85 CONT IN HOLE TO 9040'. CIRC HOLE W/1% KCL. POOH W/DRLG EQUIP
& TBG. RU GEARHART & RUN PRODUCTION LOGS. PBTD-9040'.
TOC @ 2160'. DV TOOL @ 5990' SDFN DC-\$2695 CC-\$796008/08/85 RU GEARHART & PERF 8660, 51,39,33,25,20,12,04,8592,84'. RD
GEARHART. RIH W/5 1/2" MOD R PKR, SN & 2 3/8" TBG TO 8662'.
RU HUGHES & SPOT 150 GAL 7 1/2% SRA. PULL PKR & SET @ 8500'.
BROKE @ 2800#. PUT ACID AWAY @ 3 BPM @ 3100#. ACIDIZE W/2500
GAL 7 1/2% SRA & 20 BALL SEALERS. MAX PRESS-5500#, AVG-3400,
FINAL-3500#. MAX RATE-4.2 BPM, AVG-4, FINAL-4.2. ISIP-1750,

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5"-1750. TLTR-92 BBLs. RD HUGHES. RU SWAB. IFL-SURF FFL-8500
REC 42 BBLs IN 12 RUNS. LAST 2 RUNS-10% OIL CUT W/SHOW OF
GOOD GAS. SWI SDFN DC-\$8800 CC-\$16,76008/09/85 SITP-30# IFL-6000' MADE 1 RUN & REC 4 BBLs (100% OIL) W/GD
GAS. POOH W/TBG & PKR. RD BOP & RU FRAC HEAD. RU DOWELL &
FRAC PERFS 8584-8660' W/75,000 GAL BS FRAC 60 & 180,000#
20/40 SAND. MAX PRESS-3400/AVG-3000/FINAL-3400#. MAX RATE-40
BPM/AVG-40. ISIP-2000, 15"-1950 (1778 BBLs TO REC.) RD
DOWELL & SI FOR 2 HRS. START FLOW BACK TO PIT FOR CLEAN UP.
FLOW WELL ALL NIGHT. DC-\$54,250 CC-\$71,01008/10/85 RD FRAC HEAD, RU BOP. GIH W/TBG TO 8740' (CIRC 300' SAND)
CIRC HOLE CLEAN TO 9040'. POH & GIH W/MODEL "R" PKR & TBG
TO 8462' & SET. SDFN. DC - \$2150; CC - \$73,160.08/11/85 IFL 100', FFL 1200', MADE 33 RUNS & REC 133 BBLs (10-20% OIL
CUT). DC - \$1550; CC - \$74,710.08/12/85 SITP 400#, IFL 100', FFL 1200', MADE 33 RUNS & REC 155 BBLs
(50% OIL). DC - \$1350; CC - \$76,060.08/13/85 SITP-500#. BLEW DOWN (GOOD GAS). IFL-1000'. MADE 12 RUNS &
WELL KICKED OFF FLOWING. FLOW WELL FOR TESTING ON 24/64" CK
W/FTP=80#. AVG=7 BBL/HR W/80% OIL. RELEASE RENTAL EQUIPMENT.
DC=\$1,450 CC=\$77,510

08/14/85 TP-100#, 207 BO, 83 BW.

08/15/85 227 BO, 48 BW. TP-FLUCTUATING 10-100#.

08/16/85 TP 100# 196 BO & 35 BW.

08/17/85 169-BO 36-BW TP-100#

08/18/85 116-BO 0-BW FILL TO TREATER

08/19/85 147-BO 0-BW 134-MCF TP-75#

08/20/85 146-BO 0-BW 26/64" CK

08/21/85 122-BO TP-100# 28/64" CK

08/22/85 134-BO 28/64" CK TP-HEADING 0-100#

08/23/85 122-BO 0-BW 28/64" CK

08/24/85 28/64" CK 80#-TP 112-BO

08/25/85 28/64" CK 80#-TP 90-BO

08/26/85 28/64" CK 80#-TP 95-BO

08/27/85 28/64" CK 87-BO 0-BW 80#-TP

08/28/85 DROPPED FROM REPORT UNTIL FURTHER NOTICE

09/13/85 RU HUGHES HOT OILER & KILL WELL W/50 BBLs 1% KCL. RU MASTER
WELL SERVICE. ND TREE/NU BOP. PULL 267 JTS TBG. LAY DN MOD
"R" PKR. RUN SN & 10 JTS TBG, TBG ANCHOR & 267 JTS 2 3/8"
TBG. (277 JTS TOTAL) SN @ 8787', TBG ANCHOR @ 8462'.09/14/85 RAN 29 RODS & STUCK PUMP. POOH W/PUMP. RAN PARAFFIN KNIFE
TO 8000'. GIH W/2" X 1 1/2" X 24' PUMP, 224-3/4" RODS, 125-

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7/8" RODS. NU WELL HEAD & TURN OVER TO PUMPER.

09/15/85 2-BO. PUMPING LOAD WATER

09/16/85 GAS LOCKED. LOWERED RODS.

09/17/85 141-BO

09/18/85 144-BO 11-SPM

09/19/85 198-BO 11-SPM

09/20/85 184-BO

09/21/85 164-BO 8-SPM

09/22/85 185-BO 8-SPM

09/23/85 162-BO 8-SPM

09/24/85 171-BO 0-BW 8-SPM

09/25/85 135-BO 0-BW

09/26/85 168-BO 0-BW

09/27/85 200 BO

09/28/85 200-BO

09/29/85 98-BO

09/30/85 DN-HOLE IN TBG DROPPED FROM REPORT UNTIL FURTHER NOTICE

10/05/85 RU MASTER WELL SERVICE. WORK W/PUMP, COULD NOT UNSEAT. PULL
TENSION & ROD STRING. SI SDFN DC-\$350 CC-\$35010/06/85 PUMP CAME LOOSE OVERNIGHT. PULL RODS & PUMP. PULL UP ON TBG
STRING TO CHECK TBG ANCHOR. RUN NEW ANCHOR & TBG IN HOLE.
SDFN DC-\$1400 CC-\$175010/07/85 RUN 2" X 1 1/2" PUMP & RODS. PRES. UP ON TBG & TEST PUMP FOR
ACTION. PUMP WOULD NOT PUMP. PULL RODS & PUMP. RUN NEW PUMP
(2" X 2 1/2" X 24') LOAD HOLE & TEST TBG & PUMP ACTION. TEST
GOOD. PUT BACK ON PROD. DC-\$1450 CC-\$320010/09/85 STUCK PUMP. PULL RODS & PUMP. UNSET TBG ANCHOR & CHECK FOR
FILL. FILL 60' BELOW SN. PULL & SET ANCHOR W/12,000# TENSION
RUN 2" X 1 1/4" X 20' MERCURY ROD PUMP & RODS. TESTED PUMP
ACTION-OK. HANG ON PROD. DC-\$1508 CC-\$150810/28/85 MI & RU CHASE UNIT. POOH W/1 1/4" PUMP & RODS. RIH W/2" X 1
1/2" X 20' PUMP, 225-3/4" RODS, 113-7/8" RODS, 2-3/4" PONIES
ON TOP OF PUMP, 1-6" X 7/8" PONY, 2-4' X 7/8" PONIES. PUT
WELL ON PROD. RD CHASE UNIT. SDFN DC-\$460 CC-\$460

11/16/85 RU CHASE UNIT. PULL RODS TO 3575' (RODS PARTED) SDFN

11/17/85 PULL TBG TO 3575'. FINISH PULLING RODS & LAY DOWN PUMP.
FINISH PULLING TBG. GIH W/SAND PUMP & TAG 235' SAND. MADE 4
RUNS W/SAND PUMP. SDFN

11/18/85 SDF SUNDAY

11/19/85 RIH W/BULLDOG BAILER & 2 3/8" TBG. CLEAN OUT 250' SAND.
CLEAN OUT TO 9010'. START OOH W/TBG & BAILER. SDFN

11/20/85 FINISH POOH W/TBG & BAILER. LAY DN 46 JTS TBG. RIH W/SN, 10

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JTS TBG, TBG ANCHOR & 255 JTS TBG. SN @ 8734', TBG ANCHOR @ 8421'. START IN HOLE W/PUMP & RODS. DC-\$1650 CC-\$3300

11/21/85 RIH W/2" X 1 1/4" X 28' MERCURY ROD PUMP, 4' X 7/8" PONY ROD ON TOP OF PUMP, 6-7/8", 202-3/4", 116-7.8" RODS, 2-4' X 7/8" PONIES. PUT WELL ON PROD (75 BLTR) RD CHASE UNIT. DC-\$1950 CC-\$5250

11/22/85 135-BO 75-BW. REC ALL LOAD WATER.

11/23/85 36-BO

11/24/85 106-BO

11/25/85 131-BO DROPPED FROM REPORT

01/08/86 66 BO, 51 MCF.

01/09/86 48-MCF 73-BO

05/10/86 MI AND RU CHASE.. POH W/ RODS & PUMP HOT OIL TBG, CUT PARAFIN & RUN SWAB TO CLEAN UP TBG. ND WH NU BOP SDFN DC-2300

05/11/86 POH W/ TBG & ANCHOR. RU PENG0 & PERF 1 JS @ 8508, 8484, 78, 72, 66, 36, 22, 15, 09, 8336, & 8331 (11 HOLES) RD PENG0. START IN HOLE W/ RBP & MODEL "R" PKR, SN & 2 3/8" TBG. SDFN DC-\$3193 CC: \$5493.00

05/13/86 RUN RBP, PKR & TBG IN HOLE TO 8560'. SET RBP. TEST TO 3500# HELD OK. PULL PKR TO 8513' & RU HUGHES. SPOT 300 GALS 7 1/2% SRA. PULL PKR & SET @ 8253' FORMATION TAKING FLUID @ "0" PRESSURE ACIDIZE W/ 1900 GALS 7 1/2 % SRA & 22 RCN BALL SEALERS.

MAX PRESS. 4200#

AVE PRESS 3200#

FINAL PRESS 4000#

MAX RATE 4 BPM

AVE 4 BPM

FINAL 4 BPM

ISIP 1800#

5 MIN 1750# TOTAL LOAD 84 BBLS TO REC. RD HUGHES.

RU SWAB. IFL 600' FFL 8200' REC 40 BBLS IN 9 RUNS. SD FOR 30"; HAD 350' ENTRY ON LAST RUN W/ NO SHOWS. 44 BBLS LEFT TO REC. SI & SDFN DC-4200 CC-9693

05/14/86 SI SLIGHT VAC. NO FLUID ENTRY OVER NIGHT. WAITED 2 HRS. & HAD 700' ENTRY. REC 3 BBLS W/ TRACE OIL & SHOW OF GAS. RD SWAB.. LOAD TBG & UNSET PKR. RAN PKR & TBG TO 8550' TO KNOCK BS OFF PERFS. PULL PKR TO 8253' & SET..RU CARDINAL SURVEYS & HUGHES. RUN PUMP IN TRACER SURVEY. ALL PERFS TAKING FLUID IN ZONE; NO CHANNEL UP OR DOWN. RD CARDINAL & HUGHES & POH W/ TBG & PKR. SDFN DC-3800 CC-13,493

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05/15/86 ND BOP NU FRAC HEAD. RU DS & FRAC PERFS. 8331-8508' WITH
110,000 GAL EZE FRAC 60 W/270,000# 20-40 MAX PRESS 3875#,
AVE 3100#, FINAL 2600# MAX RATE 44 AVE 39 FINAL 44,
ISIP 1950# 15# 1670# TOTAL LOAD 2472 BBLs RD DS. SI
FOR 4 HRS. OPEN TO PIT ON 1/2" CK W/1100# FLOW WELL TO
PIT ALL NIGHT. DC-61,060 CC-74,553

05/16/86 RD FRACHEAD RU BOP GIH W/ RETRIEVABLE TOOL & 2 3/8" TBG.
TAG UP @ 8385' RU DOWELL & CIRC HOLE. COULD NOT GET PAST 8385
POH W/TBG RIH W/ IMPRESSION BLOCK IMPRESSION BLOCK LOOKS
CLEAN..SDFN DC-2750 CC-77,303

05/17/86 COMPLETION RENTAL & START CIRCL SAND. START DRLG @ 8383.
DRILLED TO 8425 & POOH W/ BIT & TBG. DC-2875 CC-80,178

05/18/86 GIH W/ RET. HEAD, 6-DC'S, & 2 3/8 TBG TAG UP @ 8424 RU.
& WORK PIPE. TBG FELL THROUGH PLUG @ 8424' GIH TO 8529 &
START REVERSING TO CLEAN HOLE. TBG BRIDGED OFF & COULD NOT
MOVE PIPE. R.U. RYCO & RAN FREE PT. PIPE FREE @ COLLARS
@ 8352 CUT TBG @ 8348 & START OOH.SDFN DC-5625 CC-85,803

05/19/86 SDF SUNDAY

05/20/86 FIN POH W/ 2 3/8" TBG. RUN IN HOLE W/ 4 1/2 NOTCHED SHOE,
7 JTS WASH PIPE BUMPER SUB. & 2 3/8" TBG. TAG UP @ 8331'
PULL TO 8100 & SDFN.
DC 2650.00

05/21/86 RIG UP COMPLETION RENTALS RUN TBG TO 8331' TAG UP ON FILL
CIR 8331'-8349' TAG UP ON FISH WASH OVER FISH MADE 2 1/2'
FULL RETURNS POH W/ 4 1/2 KNOTCHED SHOE WASH PIPE & 2 3/8"
TBG (SHOE SHOWED SIGNS OF WEAR ON TEETH) SDFN
DC-4325 CC-87,153.00

05/22/86 RUN IN HOLE W/ 4 1/2" SHOE W/ CUTRITE ON BTM 7 JTS 4 1/2"
WASH PIPE, BUMPER SUB & 2 3/8" TBG..TAG UP @ 8337' DRILLED
1' & CIRC UP METAL SHAVING & CEMENT..POH W/ TBG & WASH PIPE
(SHOE SHOWED WEAR ON INSIDE.) SDFN DC-\$3350 CC-90,503.00

05/23/86 RIH W/ 3 3/4 OVERSHOT, JARS BUMPER SUB 4' PERF SUB & 2 7/8 T
BG TO 8326' LATCH ON TO FISH GET OFF FISH RU HUGHES
CIRC HOLE W/ 1% KCL & F-78 (FOAMER RD HUGHES & SDFN
DC-3550 CC-94,053.00

05/24/86 RIH W/ OVERSHOT, LATCH ON TO FISH @ 8348' RU NOWSCO COILED
TBG UNIT & CLEANED OUT SAND IN DRL COLLARS TO 8543' RD
NOWSCO. FISH STILL STUCK. WORK JARS TO FREE UP FISH. JARS
QUIT WORKING. LEFT IN TENSION. SDFN. DC-11,300.00
CC-105,353.00

05/25/86 RU RYCO & RUN FREE POINT. HAD 20% MOVEMENT @ JARS & 1%
MOVEMENT @ OVERSHOT. WORKED JARS & FISH CAME LOOSE. POH

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PROJECTED TD 9100
CONTRACTOR PETERSON DRILLING

W/ 2 7/8" TBG JARS BUMPER SUB, OVERSHOT & 6 COLLARS
SI & SDFN DC-3100 CC-108,453.00

05/26/86 SD FOR SUNDAY

05/27/86 RIH W/ BULLDOG BAILER & 2 7/8 TBG. TAG UP ON SAND @ 8530'
CLEANED OUT TO 8546'. UNABLE TO GET BELOW 8546' POH TO
INSPECT BAILER. REC 15' SAND IN CAVITY. SI SDFN.
DC-2600 CC-111,053.0005/28/86 RIH W/ 4 3/4" BLADE BIT, BULL DOG BAILER AND 2 7/8" TBG
TAG UP @ 8546'. CLEAN OUT TO 8560' POH RIH W/ RETR. HEAD,
BAILER & 2 7/8" TBG. LATCH ON TO RBP @ 8560' POH & START
LAYING DN 2 7/8" TBG. SDFN DC-\$3700 CC-114,753.0005/29/86 FINISH POH & LAY DN 2 7/8" TBG & RBP..RIH W/ BULLDOG BAILER
& 2 3/8" TO 8960' CLEAN OUT TO 9010' POH W/ BULLDOG BAILER
& 2 3/8" TBG. & SDFN DC-\$2710 CC-\$117,463.0005/30/86 RIH W/ SN 15 JTS 2 3/8 TBG, TBG ANCHOR & 261 JTS OF 2 3/8 T
BG SN @ 8747' TBG ANCHOR @ 8271' ND BOP NU WELLHEAD RIH
W/ 2" X 1 1/2" X 24' PMP 1-2 X 3/4 PONY ON TOP OF PMP
225-3/4 RODS 122-7/8 4-4'X 7/8 PONIES HANG WELL ON &
SDFN DC-1850

06/02/86 NO REPORTS AVAILABLE AT THIS TIME.

06/03/86 05-31-86 33-BO 140-WTR
06-01-86 33-BO 140-WTR
06-02-86 33-BO 140-WTR
06-03-86 34-BO 140-WTR

06/04/86 80-BO 43-BW

06/05/86 76-BO 50-BW

06/06/86 86-BO 49-BW

06/07/86 77-OIL

06/08/86 UNIT DOWN

06/09/86 UNIT DOWN

06/10/86 RU MONUMENT P.U..PMP WAS STUCK..BACKED OFF RODS & START OOH.
DC-85006/11/86 NU BOP FINISH POH W/TBG & ANCHOR FINISH STRIPPING RODS &
PMP..SDFN DC-2300 CC-3,15006/12/86 RIH W/ BULLDOG BAILER ON 2 3/8" TBG. TAG UP ON SAND @ 8830'
& CLEANED OUT TO 9030' POH W/ BAILER & TBG..START IN HOLE W/
TBG & ANCHOR..SDFN DC-3600 CC-6,75006/13/86 RIH W/ SN 15 JTS OF 2 3/8" TBG, TBG ANCHOR & 26 JTS OF 2 3/8
TBG..SN @ 8747' SET TBG ANCHOR @ 8271' ND BOP NU WELLHEAD
START IN HOLE W/ RODS & PMP SDFN DC-1650 CC-8,40006/16/86 FINISH GIH W/ PUMP & RODS; 2" X 1 1/4" X 8' X 28' PUMP,
1-2' X 3/4" PONY, 6-7/8" RODS; 223-3/4", 120-7/8" & 5-4'

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X 3/4" PONIES. HANG ON PRODUCTION..WELL PUMPED UP DC-725

06/17/86	85-OIL	42-WTR
06/18/86	107-BO	
06/19/86	81-BO	22-WTR
06/20/86	80-BO	
06/21/86	80-OIL	6-WTR
06/22/86	75-OIL	15-WTR
06/23/86	85-OIL	12-WTR
06/24/86	83-OIL	33-WTR
06/25/86	61-OIL	35-WTR
06/26/86	60-OIL	36-WTR
06/27/86	75-BO	26-BW
06/28/86	82 OIL	39 WTR
06/29/86	63 OIL	3 WTR
06/30/86	77 OIL	22 WTR
07/01/86	64-OIL	24-WTR
07/02/86	73-OIL	29-WTR
07/03/86	74-OIL	29-WTR
07/04/86	69-OIL	18-WTR
07/05/86	72-OIL	21-WTR
07/06/86	80-OIL	27-WTR
07/07/86	74-OIL	24-WTR
07/08/86	66-OIL	21-WTR
07/09/86	72-OIL	21-WTR
07/10/86	88-OIL	21-WTR
07/11/86	82-OIL	21-WTR
07/12/86	DROP FROM REPORT.	
07/15/86	DROPPED FROM REPORT	

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CONTRACTOR

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X 3/4" PONIES. HANG ON PRODUCTION..WELL PUMPED UP DC-725

06/17/86	85-OIL	42-WTR
06/18/86	107-BO	
06/19/86	81-BO	22-WTR
06/20/86	80-BO	
06/21/86	80-OIL	6-WTR
06/22/86	75-OIL	15-WTR
06/23/86	85-OIL	12-WTR
06/24/86	83-OIL	33-WTR
06/25/86	61-OIL	35-WTR
06/26/86	60-OIL	36-WTR
06/27/86	75-BO	26-BW
06/28/86	82 OIL	39 WTR
06/29/86	63 OIL	3 WTR
06/30/86	77 OIL	22 WTR
07/01/86	64-OIL	24-WTR
07/02/86	73-OIL	29-WTR
07/03/86	74-OIL	29-WTR
07/04/86	69-OIL	18-WTR
07/05/86	72-OIL	21-WTR
07/06/86	80-OIL	27-WTR
07/07/86	74-OIL	24-WTR
07/08/86	66-OIL	21-WTR
07/09/86	72-OIL	21-WTR
07/10/86	88-OIL	21-WTR
07/11/86	82-OIL	21-WTR
07/12/86	DROP FROM REPORT.	
07/15/86	DROPPED FROM REPORT	

FILE Mesquite 2 State #3

FIELD: Tamano

COUNTRY: Eddy

STATE: New Mexico

LEASE:

10/LOC: Sec 2, T-18S, R-31E

OPERATOR: HEYCO

RESERVOIR: Bone Springs (2nd Sand)

PERFS: 8492-8596

DATE COMPLETED:

MONTH ALLOW.		OIL/GAS - BBL.				GAS - MCF				WATER - BBL.				O.O.R.		PRESSURE			INTERESTS	
DAY	MONTHLY	CUMULATIVE	MONTHLY	CUMULATIVE	MONTHLY	CUMULATIVE	MONTHLY	CUMULATIVE	°	8 P.M.	PT.	SEP.	END.				REMARKS			
JAN.	2666	54.8	1643	1643	1950	1950	0	0		1187				30						
FEB.	2408	31.6	791	2434	333	2283	0	0		421				25						
MAR.	2666	68.3	2116	4550	1364	3547	1153	1153	35.3	598				31						
APR.	2586	65.0	1950	6500	1440	4987	1011	2164	34.1	738				30						
MAY	2635	56.0	1732	8236	1462	6419	1692	2856	28.4	941				31						
JUN.	2550	41.0	1231	9469	2093	8548	546	3402	30.7	1700				30						
JUL.	2635	40.4	1253	10722	1934	10476	509	3711	28.9	1543				31						
AUG.	2635	35.8	1110	11832	1421	11897	620	4531	35.8	1280				31						
SEP.	2550	24.1	782	12614	598	12495	399	4930	33.8	765				30						
OCT.	2635	44.9	1393	14007	1296	13791	515	5445	37.0	930				31						
NOV.																				
DEC.																				
JAN.																				
FEB.																				
MAR.																				
APR.																				
MAY																				
JUN.																				
JUL.																				
AUG.																				
SEP.																				
OCT.																				
NOV.																				
DEC.																				

3630

AMOCO PRODUCTION CO.
200 NORTH LORRAINE SUITE 1200
ATTN: BILL DAVIS
MIDLAND, TEXAS 79701

PROSPECT LOCATION MESQUITE 2 STATE #3
1980' FSL & 1980' FEL, SEC 24T
-18S R-31E, EDDY COUNTY, NM
PROJECTED TD 9100'
CONTRACTOR PETERSON

11/16/85 BUILDING LOCATION

11/17/85 DAY 1 OPER-WOC DEPTH-358' PROG-358' FORM-ANHY & RED BED DEV
3/4 DEG @ 358' MW-8.8 VIS-31 PH-7 DRLG-4 3/4 HRS, TRIPS-1 HR
TOTCO-1/4 HR REPAIRS-1/2 HR, WOC-3 HRS, RUN CSG-4 HRS, CMT-1
1/2 HR, MOVING RIG-9 HRS. NO COST AVAIL.

11/18/85 DAY 2 OPER-DRLG DEPTH-1205' PROG-847' FORM-ANHY & SALT DEV
1/2 DEG @ 870' MW-9.9 VIS-28 PH-8 DRLG-13 1/4 HRS, TOTCO-1/4
HR, WOC-9 HRS, DRLG CMT & SHOE-1 1/2 HRS
DC-41,820 CC-\$41,820
RAN 9 JTS 13 3/8" 54.5# J-55 CSG. 373'
SET @ 358'.

CMT W/150 SXS DLW III W/2% CACL2 & 1/4# CELLOFLAKE(12.7#/GAL
1.82 YD) & 200 SXS CLASS "C" W/2% CACL2 (14.8#/GAL & 1.32 YD
CIRC 75 SXS. PLUG DN @ 3:00 AM 11/17/85. TEST BOP TO 600#/30
MINUTES. SPUD @ 3:30 PM 11/16/85

11/19/85 DAY 3 OPER-TRIP FOR CSG. DEPTH-2275' PROG-1070' FORM-ANHY &
DOLO DEV 3/4 DEG @ 1374', 1 DEG @ 1844' MW-10 VIS-29 PH-8 CL
150,000 DRLG-18 1/2 HRS, TRIPS-3 1/2 HRS, TOTCO-1/2 HR, CIRC
1/2 HR REPAIRS-1 HR DC-\$16,024 CC-\$57,844

11/20/85 DAY 4 OPER-DRLG DEPTH-2391' PROG-116' FORM-ANHY DEV 1 1/2
DEG @ 2275' MW-8.4 VIS-28 PH-9 CL-3000 DRLG-4 1/4 HRS, TRIP-
1 1/2 HRS, CIRC-3/4 HR, REPAIRS-1/4 HR, RUN CSG-2 1/4 HRS,
CMT-1 1/2 HRS, WOC-12 HRS, DRLG CMT & FLOAT COLLAR-1 1/2 HRS
DC-\$60,450 CC-\$118,294

RAN 53 JTS 8 5/8" 24# J-55 ST&C CSG. 2280'
SET @ 2275'. CMT W/700 SXS LW IV W/6# SALT/SX, 1/4# CELLO-
FLAKE, 2% GEL (13.6/1.60) & 200 SXS CLASS "C" W/2% CACL2
(14.8/1.32) PLUG DN @ NOON 11/19/85. CIRC 30 SXS TO PIT.

11/21/85 DAY 5 OPER-DRLG DEPTH-3304' PROG-913' FORM-DOLO DEV 1 1/2
DEG @ 2771' MW-8.5 VIS-28 PH-9.5 CL-20,000 DRLG-23 HRS,
TOTCO-3/4 HR, SER RIG-1/4 HR DC-\$7074 CC-\$125,368

11/22/85 DAY 6 OPER-DRLG DEPTH-3989' PROG-685' FORM-DOLO DEV 1 DEG @
3268', 1/2 DEG @ 3738' MW-8.5 VIS-28 PH-9.5 CL-19,000 DRLG-
23 HRS, TOTCO-1/4 HR, SER RIG-3/4 HRS. DC-\$18,271 CC-\$143,639

11/23/85 DAY 7 OPER-DRLG DEPTH-4515' PROG-529' FORM-DOLO DEV 1 DEG @
4241' MW-8.5 VIS-28 PH-9 CL-19000 DRLG-23 1/2 HRS, TOTCO-1/4
HR, SER RIG-1/4 HR DC-\$12,595 CC-\$156,234

11/24/85 DAY 8 OPER-BIT TRIP DEPTH-4865' PROG-350' FORM-DOLO & SAND
DEV 1 DEG @ 4640' MW-8.5 VIS-28 PH-9.5 CL-17,000 DRLG-15 1/2
HRS, TRIPS-7 3/4 HRS, TOTCO-1/4 HR, SER RIG-1/4 HR WASH TO
BTM-1/4 HR DC-\$8435 CC-\$164,669

11/25/85 DAY 9 OPER-DRLG DEPTH-5348' PROG-483' FORM-LI & SD DEV 1 1/2

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DEG @ 4875, 1 DEG @ 4975. 1 DEG @ 5150 MW-8.6 VIS-28 PH-9 CL
-20,000 DRLG-22 1/4 HRS, TOTCO-1 HR, SER RIG-1/4 HR WASH TO
BTM-1/2 HR DC-\$5862 CC-\$170,531

11/26/85 DAY 10 OPER-DRLG DEPTH-5719' PROG-371' FORM-DOLO & SD DEV 2
DEG @ 5350, 2 DEG @ 5418', 2 1/2 DEG @ 5584, 3 DEG @ 5678'.
MW-8.6 VIS-28 PH-9 CL-20,000 DRLG-18 3/4 HRS, TRIPS-3 1/4 HR
TOTCO-1 3/4 HRS, SER RIG-1/4 HR DC-\$8162 CC-\$178,693

11/27/85 DAY 11: OPER-TRIP IN DEPTH-5762' PROG-43' FORM-SD & DOLO
MW-8.6 VIS-29 PH-9 CL-18000. TIME: DRLG-1 3/4 HRS,
TRIPS-14 1/2 HRS, CIRC-3 HRS, DST #1-4 3/4 HRS.
DST #1 (5690-5762')

	BOTTOM	TOP
HPI	2571.2	2544.9
IF-30"	91.4-114.2	46-46
ISP-60"	1723.6	1712.7
2ND FLOW-60"	137-182.7	92-92
2ND SI-120"	1993.3	1916.3
HPO	2548.9	2522.5

REC 264' WATER. SAMPLER REC - 2300 CC WATER & .0382 CF GAS.
SAMPLER PRES-300#. BHT-98 DEG F.

11/28/85 DAY 12 OPER-DRLG DEPTH-6135' PROG-373' FORM-DOLO & SD DEV 2
1/2 DEG @ 5781', 2 1/2 DEG @ 5865', 2 1/4 DEG @ 5985 MW-8.6
VIS-28 PH-9.5 CL-18,000 DRLG-21 HRS, TRIPS-1/2 HR, TOTCO-1
1/2 HR, SER RIG-1/4 HR DC-\$7820 CC-\$192,938

11/29/85 DAY 13 OPER-DRLG DEPTH-6384' PROG-249' FORM-DOLO & SD DEV 2
1/2 DEG @ 6120', 2 1/2 DEG @ 6190', 2 3/4 DEG @ 6271' MW-8.6
VIS-28 PH-9.5 CL-18,000 DRLG-18 HRS, TRIPS-5 HRS, TOTCO-3/4
HR, SER RIG-1/4 HR DC-\$6135 CC-\$199,073

11/30/85 DAY 14 OPER-DRLG DEPTH-6738' PROG-354' FORM-LI & SH DEV 2
DEG @ 6391', 2 DEG @ 6481', 2 DEG @ 6554', 1 3/4 DEG @ 6675'
MW-8.6 VIS-28 PH-9 CL-20,000 DRLG-22 HRS, TOTCO-1 3/4 HRS,
SER RIG-1/4 HR DC-\$4535 CC-\$203,608

12/01/85 DAY 15 OPER-DRLG DEPTH-7012' PROG-274' FORM-LI & CH DEV 1
1/2 DEG @ 6795', 1 1/4 DEG @ 6892' MW-8.6 VIS-28 PH-9 CL-
20,000 DRLG-21 3/4 HRS, TOTCO-3/4 HR, SER RIG-1/4 HR REPAIRS
1 1/4 HR DC-\$6432 CC-\$210,040

12/02/85 DAY 16 OPER-TRIP FOR BIT DEPTH-7262' PROG-250' FORM-SH & CH
DEV 1 1/4 DEG @ 7045', 1 1/2 DEG @ 7174' MW-8.6 VIS-28 PH-
9.5 CL-20,000 DRLG-19 1/2 HRS, TRIPS-3 1/4 HRS, TOTCO-1 HR,
SER RIG-1/4 HR DC-\$5122 CC-\$215,162
DEPTH-5762' DST #1 FORM-BONE SPRING 11/27/85
RW:MUD PIT-.18 @ 70 DEG|SAMP-.1 @ 70 DEG|TOP REC-.1 @ 70 DEG

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SP GR	1.02 @ 60 DEG	1.05 @ 60 DEG	1.05 @ 60 DEG
PH	7.3	6.7	6.7
MG	1010	2330	
CL	19000	43000	40000
CA	1550	2330	
HCO3	150	370	
FE	NIL	LITE	
NITRATES	+300 MG/LT	-0-	17.6
S04	HEAVY	HEAVY	

12/03/85 DAY 17 OPER-DRLG DEPTH-7529' PROG-267' FORM-SH & LI
DEV 1 3/4 DEG @ 7300, 2 DEG @ 7424' MW-8.6 VIS-28 PH-9.5 CL-
20,000 DRLG-16 1/2 HRS, TRIPS-3 3/4 HRS, TOTCO-1 HR
DC-\$5429 CC-\$220,591

12/04/85 DAY 18 OPER-DRLG DEPTH-7739' PROG-210' FORM-LI & CH
DEV 1 1/2 DEG @ 7545, 1 1/2 DEG @ 7678' MW-8.6 VIS-28 PH-9.5
CL-20,000 DRLG-16 1/4 HRS, TRIPS-6 3/4 HRS, TOTCO-3/4 HR,
SER RIG-1/4 HR DC-5336' CC-\$225,927

12/05/85 DAY 19 OPER- DST #2 DEPTH-7850 PROG.-111. FORM.-LM&DOL. MW-
8.6 VIS-28 PH-9.5 CL-19000....DRLG-8 1/4 HRS. TRIP-3 1/4
HRS. CIRCL.-2 3/4 HRS. DST#2-9 3/4 HRS. (DST#2 7781-7850)
DC-4045...CC-229972

12/06/85 DAY 20 OPER-DRLG DEPTH-8090' PROG-240' FORM-LI & SH DEV 2
DEG @ 7841', 1 3/4 DEG @ 7961' MW-8.6 VIS-28 PH-9 CL-19,000
DRLG-14 1/4 HRS, TRIPS-7 HRS, TOTCO-1 HR, DST #2-1 1/2 HRS,
REAM TO BTM-1/4 HR DC-\$8826 CC-\$238,798
DST #2 7780-7850'

HPI 3444
IF 96-288
ISI 3123
FF 351-606
FSI 3123
HPO 3444

PIPE REC 558'. FORMATION WATER/TRACE OF OIL IN TOOLS.
SAMPLER-450#, 2500 CC WATER & .328 CF GAS.

WATER ANALYSIS	MUD	TOP REC.	BTM REC.	SAMPLER
RW	.24 @ 70	.07 @ 70	.06 @ 70	.06 @ 70
CL	17,000	79,000	109,000	109,000
NIT	334	35.2	13.2	-0-

12/07/85 DAY 21 OPER-DRLG DEPTH-8420' PROG-330' FORM-DOLO DEV 1 1/2
DEG @ 8080, 1 1/4 DEG @ 8216, 1 1/4 DEG @ 8341' MW-8.6 VIS-
28 PH-9 CL-18,000 DRLG-22 1/4 HRS, TOTCO-1 1/2 HR, SER RIG-
1/4 HR DC-\$4430 CC-\$243,228

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12/08/85 DAY 22 OPER-DRLG DEPTH-8855' PROG-435' FORM-DOLO & SD DEV 1
3/4 DEG @ 8592' MW-8.5 VIS-28 PH-9.5 CL-18,000 DRLG-23 1/4
HRS, TOTCO-1/2 HR, SER RIG-1/4 HR DC-\$6960 CC-\$250,188
12/09/85 DAY 23 OPER-CIRC DEPTH-9025' PROG-170' FORM-DOLO & SD DEV 2
DEG @ 8840' MW-8.6 VIS-28 PH-9.5 CL-21,000 DRLG-12 1/2 HRS,
TRIPS-6 1/2 HRS, TOTCO-1/2 HR, SER RIG-1/4 HR, CIRC-4 1/4 HR
DC-\$5780 CC-\$255,968
12/10/85 DAY 24 OPER-LAY DN DP DEPTH-9025' FORM-DOLO & SD DEV 1 3/4
DEG @ 9025 MW-8.6 VIS-28 PH-9.5 CL-21,000 DRLG-6 1/2 HRS,
CIRC-2 HRS, LOGGING-10 1/2 HRS, LAY DN DP-5 HRS. NO COST
AVAIL. LOGGERS TD-9016'.
12/11/85 DAY 25 OPER-RIG DN DEPTH-9025'. SET SLIPS & NU WELL HEAD-6
HOURS, CMT-3 1/2 HRS, LAY DN DP-2 HRS, CHANGE RAMS-1 HR, RUN
CSG-4 HRS, CMT-1 1/2 HRS DC-\$153,450 CC-\$409,418
RAN 214 JTS 5 1/2" 17# J-55 CSG. 9024'
1 JT 5 1/2" 17# S-95 CSG. 24'
TOTAL OF 215 JTS 9048' SET @ 9025'
MARKER JT @ 7058-82'.
CMT W/975 SXS DLW III W/8.7#/SX SALT & 1/4#/SX CELLOFLAKE
(MIXED @ 12.7 & 1.98 YD). TAIL IN W/300 SXS DSS A (10/10)
(MIXED @ 14.0 & 1.73 YD) PLUG DN @ 6:00 PM 12/10/85
RR @ MIDNIGHT 12/10/85
12/12/85 WAITING ON COMPLETION UNIT
12/13/85 RD TREE/RU BOP. RU SCHLUMBERGER & RUN CBL, CCL & G/R FROM
PBTD (8940) TO 2150'. (TOC @ 2550') DC-\$1065 CC-\$1065
12/14/85 MI & RU CHASE UNIT. UNLOAD TBG & RENTAL EQUIP.
RU SCHLUMBERGER & PERF @ 8807-10' & 8710-14' (2 SPF). GIH W/
RBP, PKR, & TBG. SET RBP @ 8830 & PKR @ 8766'. SDFN.
DC=\$4,600 CC=\$5,665
12/15/85 IFL-50' FFL-8760'. REC 33 BBLs. NO SHOWS. SDFN.
DC=\$1,650 CC=\$7,315
12/17/85 SITP-0 IFL-8760'. NO FLUID RECOVERED. RD SWAB. UNSET PKR.
RUN TO 8810'. RU HUGHES & SPOT 100 GALS 15% SRA. PULL PKR &
SET @ 8640. BROKE FORM DN 1/4 BPM @ 4200#. ACIDIZE W/1000
GAL 15% SRA & 28 BALL SEALERS. MAX PRESS-5500 @ 3 BPM, AVG-
4000 @ 1 BPM, FINAL-3600 @ 3 BPM. ISIP-2400, 5"-2100. TLTR-
61 BBLs. RD HUGHES, RU SWAB. IFL-SURF FFL-8640. MADE 12 RUNS
REC 44 BBLs, SMALL SHOW OF GAS AFTER SWAB. (SI 30 MIN/900'
ENTRY) SWI SDFN DC-\$3850 CC-\$11,165
12/18/85 SITP-40# (GOOD GAS) IFL-1600 FFL-8600 REC 34 BBLs. TRACE OF
OIL & SMALL SHOW OF GAS ON SWAB. LOAD TBG & MOVE PKR TO 8768
SWAB PERFS @ 8807-10'. IFL-100 FFL-8760'. REC 20 BBLs/SMALL

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SHOW OF GAS.

12/19/85 SITP-0 RU SWAB IFL-8100' MADE 1 RUN, REC 3 BBLS-NO SHOWS. RD SWAB. PULL PKR TO 8640' & SET. RU HUGHES & ACIDIZE W/5000 GAL 15% SRA & 28 BALL SEALERS. MAX PRESS-5500# @ 4 BPM, AVG-4000# @ 4 BPM, FINAL-3800# @ 4 BPM. ISIP-2000, 5"-1700. TLTR 157 BBLS. RD HUGHES, RU SWAB IFL-SURF, FFL-7600'. MADE 19 RUNS, HAD 2' FLARE. REC 76 BBLS W/TRACE OF OIL. 750' FLUID ENTRY. SDFN DC-\$7350 CC-\$18,515

12/20/85 SITP-25#-GOOD GAS. IFL-1900' FFL-7900' REC 88 BBLS 1% OIL CUT W/SOME GAS. 1000' FLUID ENTRY/30". 16 BBLS OVERLOAD. DC-\$1550 CC-\$20,065

WATER SAMPLE TAKEN 12/20/85

RW	.054 @ 72 DEG	SP GR	1.156
CA	14430	MG	3471
CL	142,000	S04	SMALL
HCO3	122	FE	MED
KCL	1%	NO3	NIL

12/21/85 SITP-0 IFL-1950 REC 40 BBLS FFL-7000' RU HUGHES & CIRC HOLE W/1% KCL. POOH W/TBG, PKR & RBP. RU PENG0 & SET CIBP @ 8695' PERF @ 8492', 8510,19,33,37,40,44,51,60,64,73,83 & 96'. 13 HOLES/1 SPF. SDFN DC-\$5650 CC-\$25,715

WATER SAMPLE 8710-14, 8807-10'

SP GR	1.155	PH	6.6
CL	132,300	CA	12,800
MG	1518	S04	300
N4	68,260	RW	.067 @ 70 DEG
NO3	NIL		

12/22/85 GIH W/5 1/2" PKR, SN & 2 3/8" TBG TO 8400' SDFN DC-\$350 CC-\$26,065

12/23/85 SHUT DOWN FOR SUNDAY

12/24/85 RU HUGHES & SPOT 250 GAL 7 1/2% SRA @ 8600'. PULL PKR TO 8392' & SET. BREAK DN PERFS @ 8492-8596'. BROKE @ 2600', PUT ACID AWAY. ACIDIZE W/3000 GAL & 26 BALL SEALERS. MAX PRESS-5300# (BALL OUT) AVG-3400, FINAL-3200. MAX, AVG & FINAL RATE 4 BPM. ISIP-1600#, 5"-1550. (TLTR-115 BBLS) IFL-SURFACE FFL-8200. REC 80 BBLS (10% CUT ON LAST 2 RUNS) & GOOD SHOW OF GAS). SDFN 35 BBLS TO REC. DC-\$5550 CC-\$31,615

12/25/85 SITP-80# (GOOD GAS) IFL-2000'. MADE 2 RUNS. REC 8 BBLS (20% OIL) POOH W/TBG & PKR. RD BOP & RU FRAC HEAD. SDFN. DC-\$850 CC-\$32,465

12/26/85 SDF CHRISTMAS

12/27/85 RU CARDINAL & RUN BASE TEMP & G/R. RU DOWELL & FRAC PERFS

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8492-8596' W/97,500 GAL BS-60 & 258,000# 20/40 SAND. MAX
PRESS-4900, AVG-3650, FINAL-3800. MAX RATE-52 BPM, AVG-42,
FINAL-52. ISIP-2150, 15"-1900. RD DOWELL (TLTR-2903 BBLs) RU
CARDINAL & RUN TEMP SURVEY. OPEN WELL @ 4:30 PM. TP-1500#.
FLOW WELL FOR CLEAN UP ALL NIGHT. DC-\$69,350 CC-\$101,815

12/28/85 WELL FLOWED OFF & ON ALL NIGHT. 7:00 AM: WELL DEAD. RD FRAC
HEAD/RU BOP. GIH W/SN, 8 JTS TBG, TBG ANCHOR & 260 JTS. SET
ANCHOR @ 8386' & SN @ 8638'. (CIRC OUT 95' OF SAND-PBTD-8695
FT) RD BOP & RU PROD WELL HEAD. GIH W/2" X 1 1/2" X 24' PUMP
1-2' X 3/4" PONY & 3/4" RODS. SDFN. DC-\$2150 CC-\$103,965

12/29/85 CONT IN HOLE W/RODS. TOTAL ROD COUNT-1-2" X 3/4" PONY, 208-
3/4" RODS, 136-7/8" RODS, 1-2' X 7/8" PONY & 2-6' X 7/8"
PONIES & POLISH ROD. (NOTE: RAN BACK OFF BOX ON PUMP) HANG
WELL ON @ 1:00 PM 12/28/85. TURN WELL OVER TO PROD. REL
RENTAL EQUIP. (NOTE: 13 JTS 2 3/8" TBG & 23-7/8" RODS ON
LOCATION) DC-\$13,800 CC-\$117,765

12/30/85 108-BW IN 26 HRS.

12/31/85 DN. BAD MAGNITO

01/01/86 DN-BAD MAGNITO. REPAIRED.

01/02/86 111-BW

01/03/86 189-BW IN 24 HRS

01/04/86 19-BO 78-BW

01/05/86 86-BO

01/06/86 NO REPORT AVAIL.

01/07/86 86-BO WATER TO PIT.

01/08/86 NO ACCURATE GAUGE - WATER TIED UP IN OIL.

01/09/86 70-BO WATER TO PIT

01/10/86 25-BO DN 9 HRS BAD MAG.

01/11/86 58-BO

01/12/86 87-BO

01/13/86 61-BO

01/14/86 86-BO

01/15/86 52-BO

01/16/86 PJ DN. 39 OIL IN APPROX 18 HRS

01/17/86 33 BO. PJ DOWN - OUT OF LEASE GAS. RESTARTED ON BUTANE.

01/18/86 1/18/86 NO REPORT AVAIL

1/19/86 NO REPORT AVAIL

1/20/86 NO REPORT AVAIL

01/21/86 1/18/86 15-BO DN 19 HRS

1/19/86 74-BO

1/20/86 62-BO

1/21/86 NO REPORT AVAIL

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9100'
PETERSON

PROJECTED TD
CONTRACTOR

01/22/86 65-BO IN 24 HRS
01/23/86 62-BO 24HR.
01/24/86 74-BO.
01/25/86 47 BO
01/26/86 71 BO
01/27/86 53 BO
01/28/86 01-28-86 65 BO
01/29/86 84-BO
01/30/86 44-BO
01/31/86 82-BO
02/01/86 87-BO
02/02/86 86-BO
02/03/86 67-BO IN 21 HRS
02/04/86 DN 5 HRS. THREW BEARING 57-BO IN 19 HRS.
02/05/86 37-BO 4-BW GAS-POL YESTERDAY
02/06/86 DWN REPAIRS
02/07/86 WELL BACK ON PRODUCTION.
02/10/86 DROPPED FROM REPORT.

HALLIBURTON DIVISION LABORATORY
HALLIBURTON SERVICES
MIDLAND DIVISION
ARTESIA, NEW MEXICO 88210
LABORATORY WATER ANALYSIS

SEP 16 1985

No. W562-85

To Mr. Curtis TolleDate September 11, 1985Harvey E. Yates CompanyP. O. Box 1933Roswell, NM 88201

This report is the property of Halliburton Company and neither it nor any part thereof nor a copy thereof is to be published or disclosed without first securing the express written approval of laboratory management; it may however, be used in the course of regular business operations by any person or concern and employees thereof receiving such report from Halliburton Company.

Submitted by Rocky ChambersDate Rec. September 11, 1985Well No. Mesquite 2-3

Depth _____

Formation _____

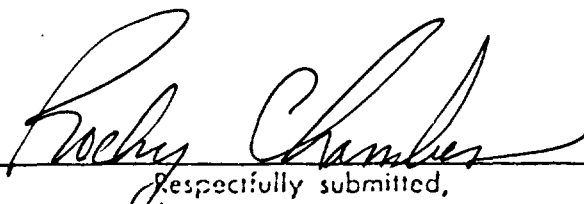
County EddyField ShugartSource SwabResistivity 0.20 @ 74°Specific Gravity 1.024pH 7.1Calcium (Ca) 666

*MPL

Magnesium (Mg) 169Chlorides (Cl) 21,000Sulfates (SO₄) SmallBicarbonates (HCO₃) 458Soluble Iron (Fe) SmallKCL 2%Nitrates Nil

Remarks:

*Milligrams per liter


Respectfully submitted,

Analyst: Rocky Chambers - Field Engineer

HALLIBURTON COMPANY

cc:

NOTICE

This report is limited to the described sample tested. Any user of this report agrees that Halliburton shall not be liable for any loss or damage, whether it be by act or omission, resulting from such report or its use.



DOWELL DIVISION OF DOW CHEMICAL U.S.A.
An Operating Unit of The Dow Chemical Company

FEB 19 1986

LABORATORY LOCATION

API WATER ANALYSIS REPORT FORM

DATE

LAB NO.

Company HEYCO		Sample No. 1		Date Sampled 2-13-86	
Field SCHUGAST		Legal Description		County or Parish Eddy	State N.M.
Lease or Unit MESQUITE 2	Well #3	Depth	Formation BONASPRINGS	Water, B/D	
Type of Water (Produced, Supply, etc.) PRODUCED		Sampling Point			Sampled By RAY

DISSOLVED SOLIDS

CATIONS

	mg/L	me/L
Sodium, Na (calc.)	<u>64,167</u>	<u>2790</u>
Calcium, Ca	<u>13,400</u>	<u>669</u>
Magnesium, Mg	<u>1582</u>	<u>130</u>
Barium, Ba		

ANIONS

Chloride, Cl	<u>127,090</u>	<u>3584</u>
Sulfate, SO ₄	<u>210</u>	<u>4</u>
Carbonate, CO ₃		
Bicarbonate, HCO ₃	<u>60</u>	<u>1</u>

Total Dissolved Solids (calc.)

Iron, Fe (total)

Sulfide, as H₂S

OTHER PROPERTIES

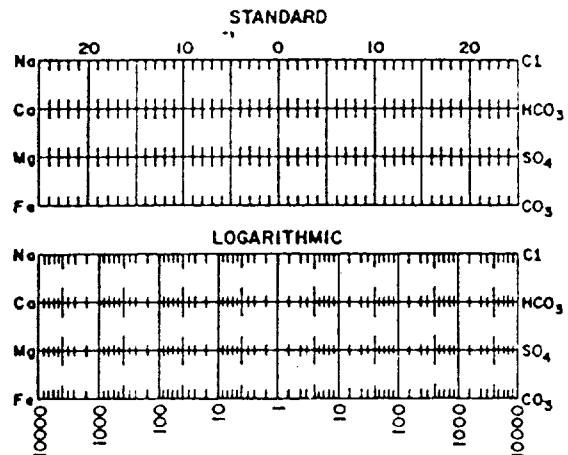
pH

Specific Gravity, 60/60 F.

Resistivity (ohm-meters) ____ F.

6
1.058

WATER PATTERNS — me/L



REMARKS & RECOMMENDATIONS:

11.74% - 2 mg/L

BTY

FIELD: Tamano Bone Springs Mesquite 2 State #5 COUNTY: Eddy STATE: New Mexico
 LEASE: Bone Springs ID/LOC: Sec. 2, T-18S, R-31E OPERATOR: Harvey E. Yates Company
 REFERENCE: Bone Springs PERMITS: DATE COMPLETED:

WATERHOOD										INTERESTS							
MONTH ALLOW.	DAY	OIL/PROD. - BBL.			OAS - MCF			WATER - BBL		O.O.R.			PRESSURE			Days	REMARKS
		MONTHLY	CUMULATIVE	MONTHLY	CUMULATIVE	MONTHLY	CUMULATIVE	%	B.P.M.	PT.	WT.	SWP.					
84 JAN																	
FEB		69	1509	1509	2970	2970	81	81	5.1	1868						29	
MAR		39	1162	2671	151	3121	151	232	5.2	130						30	
APR		37	1141	3812	824	3985	234	426	17.0	757						31	
MAY		30	609	4421	1041	5026	254	720	224	1709						30	
JUN		33	699	5120	854	5880	141	861	16.8	1222						31	
JUL		22	247	5767	263	6743	144	1005	18.2	1334						29	
AUG		20	596	6363	817	7620	42	1047	6.6	1471						30	
SEP.		19	597	6960	892	8512	186	1233	23.8	1494						31	
OCT.																	
NOV.																	
DEC.																	
"																	
JAN.																	
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AUG.																	
SEP.																	
OCT.																	
NOV.																	
DEC.																	

7 B.B.P.D.

3630

AMOCO PRODUCTION CO.
ATTN: BILL DAVIS
200 N. LORRAINE
MIDLAND, TEXAS

79701

PROSPECT
LOCATIONMESQUITE 2 STATE #5
660' FSL & 1980' FWL, SEC 2
T-18S R-31E, EDDY CTY, NMPROJECTED TD
CONTRACTOR9100'
PETERSON DRILLING

02/01/86 DAY 1 OPER-WOC DEPTH-359' PROG-359' FORM-RED BED DEV 1/2 DEG @ 359' MW-8.7 VIS-31 PH-7 DRLG-4 1/4 HRS, TRIPS-1 1/4 HRS, RUNNING CSG-1 1/2 HRS, CMT'G-1 1/2 HRS, WOC-3 3/4 HRS, RIG UP-11 3/4 HRS. SPUD WELL @ 5:45 PM 1/31/86
RAN 9 JTS 13 3/8" J-55 54.5# CSG. SET @ 359'
CMT W/385 SXS CLASS "C" W/2% CACL2 & 1/4#/SX CELLOFLAKE.
(14.8#/GAL & 1.26 YD) PLUG DN @ 2:15 AM 2/1/86. CIRC 72 SXS TO PIT.

02/02/86 DAY 2 OPER-DRLG DEPTH-979' PROG-620' FORM-ANHY DEV 1/2 DEG @ 832' MW-8.9 VIS-30 PH-8.5 DRLG-8 1/4 HRS, TOTCO-1/4 HRS, WOC-14 1/4 HRS, DRLG- CMT-1 1/4 HRS DC-\$47,903 CC-\$47,903 TEST CSG. 600#/30 MIN.

02/03/86 DAY 3 OPER-DRLG DEPTH-2298' PROG-1314' FORM-ANHY DEV 3/4 DEG @ 1328', 3/4 DEG @ 1826' MW-10.2 VIS-29 PH-8 CL-175,000 DRLG-18 3/4 HRS, TRIPS-4 1/2 HRS, TOTCO-1/2 HR, SER RIG-1/4 HRS DC-\$17,393 CC-\$65,296

02/04/86 DAY 4 OPER-WOC DEPTH-2300' FORM-ANHY DEV 3/4 DEG @ 2300' MW-10.2 VIS-29 PH-8 CL-175,000 DRLG 1/4 HR. TRIP 1 1/4 HR CIRC-1HR. RUN CSG.2 1/4 HR. CEMENT-1 1/4 HR WOC-18HR.
RAN 53 JTS . 8 5/8" 24# J55-2307' SET @ 2300' CEMENT W 600 SK LIT WATE 1V W/6#/SK SALT 1/4# SKS CELLOFLAKE & 2% GEL (13.6 #/GAL & 1.57 YD) & 200 SKS CLASS C W/2% CCL2 (14.8#/GAL & 1.26 YD) PLUG DOWN @ 12:00 PM 2-3-86 CIRCL 42 SKS TO PIT.
DC-\$69847
CC-\$135,143

02/05/86 DAY 5 OPER-DRLG DEPTH-3371' PROG-1071' FORM-ANHY DEV 3/4 DEG. @ 2767' 3/4 DEG @ 3249' MW 8.5 VIS-28 PH-9.5 CL-21,000 NO3-3.0 DRLG-22 1/4 HR. TOTCO-1/2 HR. SER RIG 1/4 HR. DRLG CMT-1 HR. DC-\$9484 CC-\$144,627

02/06/86 DAY 6 OPER-DRLG DEPTH-4200' PROG-829' FORM-ANHY & SND. MW-8.5 VIS-28 PH-9 CL-21,000 DRLG-23 1/2 TOTCO-1/4 HR. DEV-1 DEG @ 3732 DC-\$19,557 CC-\$89404

02/07/86 DAY 7 OPER-DRLG DEPTH-4972 PROG-772' FORM-SD & DOLO 1 1/4 DEG. @ 4220 1 3/4 DEG @ 4710 MW-8.5 VIS-28 PH-9 CL-28,000 NO3-2.6 DRLG-23 1/2 HRS. TOTCO-1/2 HR. DC-14,443 CC-\$178,627.00

02/08/86 DAY 8, OPERATION BIT TRIP, DEPTH 5683', PROG 711, FORM SD & DOLO. DEV 1 1/2 DEG @ 5196', 1 1/2 DEG 5316' & 1 1/2 DEG @ 5437'. MW 8.5, VIS 28, PH 9, CL 28,000, NO3 2.6. DRLG 21 3/4 HRS, TRIPS 1 1/2 HRS, TOTCO 3/4 HR. DC - \$15,783; CC-\$194,410.

02/09/86 DAY 9, OPERATION DRLG, DEPTH 6135', PROG 452', FORM SD &

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T-18S R-31E, EDDY CTY, NMPROJECTED TD
CONTRACTOR9100'
PETERSON DRILLING

DOLO. DEV 1 1/2 DEG @ 5683', 2 DEG @ 5817' & 2 1/2 DEG @ 5938'. MW 8.5, VIS 28, PH 9, CL 28,000, NO3 2.6. DRLG 18 HRS, TRIPS 3 HRS, TOTCO 1 1/2 HR, CUT DRLG LINE 1 HR, WASH TO BOT 1/2 HR. DC - \$13,437; CC - \$207,847.

02/10/86 DAY 10, OPERATION DRLG, DEPTH 6424', PROG 289', FORM DOLO. DEV 4 DEG @ 6178' & 4 DEG 6303'. MW 8.5, VIS 28, PH 9, CL 13000. DRLG 22 3/4 HRS, TOTCO 1 HR, SERVICE RIG 1/4 HR. DC - \$9034; CC - \$216,881.

02/11/86 DAY 11 OPER-DRLG DEPTH-6659 FORM-DOLO DEV-4 DEG @ 6400 4 3/4 DEG @ 6585 3 1/4 DEG @ 6585 MW-8.5 VIS-28 PH-9 CL-19,000 DRLG-22 1/4 HR. TOTCO-1 1/2HR SER RIG-1/4 HR DC-5600 CC-222,481

02/12/86 DAY 12 OPER-DRLG DEPTH-6868' PROG-209 FORM-CRT & DOLO DEV- 3 DEG @ 6673', 3 DEG @ 6769' MW-8.5 VIS-28 PH-9 CL-23,000 3.0-NO3 DRLG-19 1/4 HR. TRIPS-3 1/2 HRS. TOTCO-1 HR. SER RIG-1/4 HR. DC-5345 CC-227,826

02/13/86 DAY 13 OPER-DRLG DEPTH-7068 PROG-200'FORM-DOLO & CRT DEV 3 1/4 DEG @ 6862 3 1/4 DEG @ 6952 MW-8.5 VIS-28 PH-9.5 CL-23,000 NO3-3.0 DRLG-17 1/4 HR. TRIPS-5 HRS. TOTCO-1 HR. SER-RIG 1/4 HR. REAM TO BTM-1/2 HR

02/14/86 DAY 14 OPER-DRLG DEPTH-7314 PROG 246 FORM-DOLO & CRT DEV- 3 1/4 DEG @ 7043 2 3/4 DEG @ 7135 3 DEG @ 7223 MW-8.5 VIS-28 PH-9 CL-23000 DRLG-19 HRS. TRIPS-3 1/2 HR TOTCO 1 1/2 HR. DC-4750 CC-237,486

02/15/86 DAY 15 OPER-DRLG DEPTH-7596' PROG-282' FORM-DOLO & CRT. DEV- 2 3/4 DEG @ 7314' 2 3/4 DEG @ 7408' 3 1/4 DEG @ 7498' MW-8.5 VIS-28 PH-9 CL-18,000 NITRATE -2.6 DRLG-22 1/4 HR TOTCO-1 1/2 HR. SER RIG-1/4 DC-10,002 CC-247,488

02/16/86 DAY 16 OPER-DRLG DEPTH-7812 PROG-216' FORM-SND & DOLO DEV- 3 DEG. @ 7591 3 DEG @ 7681' 2 3/4 DEG @7773' MW-8.5 VIS-28 PH-9 CL-18,000 SOLIDS-2.6 DRLG-22 1/4 HR.TOTCO- 1 1/2 HR. DC-9,150 CC256,638

02/17/86 DAY 17 OPER-DRLG DEPTH-8065 PROG-253' FORM-SND & DOLO DEV- 3 1/4 DEG @ 7864 3 DEG @ 7954 MW-8.5 VIS-28 PH-9 CL-18,000 DRLG-23 HRS. TOTCO 1 HR. DC-8970 CC-265,608

02/18/86 DAY 15 OPER-DRLG DEPTH-8252' PROG-187' FORM-SN & DOLO DEV- 3 1/2 DEG @ 8075 3 3/4 DEG @ 8163' MW-8.5 VIS-28 PH-9 CL-17,000 NO3-2.0 DRLG-18 HRS. TRIPS-5 1/2HR. TOTCO-1/2 HR. DC-9651 CC-275,259

02/19/86 DAY 19, OPER-DRLG DEPTH- 8479' PROG-227' FORM-DOLO DEV 3 1/4 DEG @ 8250' 2 3/4 DEG @ 8346' 3 DEG @ 8438' MW-8.5 VIS-28 PH-9 CL-17,000 DRLG-22 HRS. TOTCO-1 1/2 HRS.

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660' FSL & 1980' FWL, SEC 2
T-18S R-31E, EDDY CTY, NMPROJECTED TD
CONTRACTOR9100'
PETERSON DRILLING

SER RIG-1/4 REPAIRS-1/4 HR.

DC-8829 CC-284008

02/20/86 DAY 20 OPER-DRLG DEPTH-8694 PROG-215 FORM-DOLO DEV-
2 3/4 DEG @ 8499' 3 DEG @ 8591' MW-8.5 VIS-28 PH-9
CL-19,000 DRLG-22 3/4 HRS. TOTCO-1 HR SER RIG-1/4 HR.

DC-9850 CC-293,858

02/21/86 DAY 21 OPER-DRLG DEPTH-8940' PROG-246' FORM-DOLO
DEV-2 1/2 DEG @ 8683' 2 3/4 DEG @ 8775' 2 3/4 DEG @ 8839'
MW-8.5 VIS-28 PH-9 CL-19,000
DRLG-22 1/4 HRS. TOTCO-1 1/2 HRS. SER RIG-1/4 HR.
DC-9900

CC-303,758

02/22/86 DAY 22 OPER-LOGGING DEPTH-9040' PROG-100' FORM-SN
DEV-3 DEG @ 9040' MW-8.5 VIS-28 PH-9 CL-17,000
DRILG-8 3/4 HRS TRIPS-4 HRS SER RIG-1/4 HR 7 1/2 HR -LOG
TD- @9040' @2:45PM 1-21-86

(CIRCL. 50 XKS TO PIT)

2ND STAGE CEMENT W/775 SKS DS LITE 1V (AS ABOVE) & 475 SKS
DS-SSI (AS ABOVE) PLUG DN. @ 10:15AM 2-23-86 RELEASE RIG
@4:15 PM 2-23-8602/23/86 SHORT JT @ 4705' FLOAT @ 8999'
MW-8.5 VIS-28 PH-9 CL-17,000 TRIP- 2 1/4 HRS. CIRC-5 1/2
HRS.LOGGING- 1 1/2 HRS. CUT DRLG LINE 3/4 HR. RUN CSG-4 3/4
HRS. CEMENTING-3 1/2 HRS. NO COST AVAILABLE.

1ST STAGE

CEMENT W/ 150 SXS DS LITE 1V W/ 6#/SALT, .8% FLAC & 1/4#/
CELLOFLAKE (MIX @ 13.5 & 1.57 YD) & 320 SXS DS-SSI (MIX
@ 14.8 & 1.54 YD) PLUG DN @ 2:30 AM 2-23-86 (CIRC 50 SXS TO
PIT)2ND STAGE CEMENT W/775 SKS DS LITE 1V (AS ABOVE) & 475 SKS
DS-SSI (AS ABOVE) PLUG DN. @ 10:15 AM RELEASE RIG
@ 4:15 PM 2-23-8602/24/86 DAY 24 OPER-MOVE OUT ROTARY DEPTH-9040' CIRC-2 1/4 HRS.
CEMENT-2 HRS. N.D. & SET SLIPS & RD 6 HRS.02/25/86 MI & RU CHASE UNIT.. UNLOAD 296 JTS OF 2 3/8 TBG.. R.D. TREE
& R.U. BOP . GIH W/ 4 3/4 BIT, CSG SCRAPER, 4-DC'S & TBG. TO
3000 FT. SDFN.

DC-4585 CC-154,235

02/26/86 CON'T IN HOLE W/ BIT & TBG.. TAG DV.-R.U. COMPLETION & DRILL
OUT DV TOOL. & TEST TO 1500#/30MIN.. HELD O.K..CON'T IN HOLE
TO 8987'..CIRCL. HOLE W/ 1% KCL. POOH W/ TBG. & BIT.
SDFN DC-4300 CC-158,535

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AMOCO PRODUCTION CO.
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200 N. LORRAINE
MIDLAND, TEXAS

79701

PROSPECT MESQUITE 2 STATE #5
LOCATION 660' FSL & 1980' FWL, SEC 2
- T-18S R-31E, EDDY CTY, NM
PROJECTED TD 9100'
CONTRACTOR PETERSON DRILLING

02/27/86 R.U. PENG0 & RUN CBL & CCL FROM 8990' (PBDT) TO 1400' (TOC)
DV TOOL @ 6111 MARKER JT. 4682-98
PERFORATE 8618,03,8499,77,72,59,33,11,8391,8193,8175,71,57,&
52 (14 HOLES) R.D. PENG0. GIH W/ PKR & TBG. TO 8000'
SDFN DC-8300 CC-166,835

02/28/86 R.U. HUGHES & SPOT 500 GAL 7 1/2 % SRA @ 8618'.. PULL PKR TO
8057' & SET.. BROKE PERFS @ 2800#..ACIDIZE W/ 3000 GAL 7 1/2
% SRA & BALL SEALERS. MX PRESS-5500 (BALLOUT) AV-3600
FINAL-3500.. MX AVG & FINAL RATE -4BPM ISIP-1900 8-MIN @
1820 (TLTR-125 BBLs) R.D. HUGHES & R.U. SWAB..IFL-SURFACE
FFL-8000.. REC.53 BBLs 600'/HOUR FLUID ENTRY
(GOOD GAS AHEAD OF SWAB.) SDFN DC-5725 CC-172,560

03/01/86 SITP-50# GOOD GAS. IFL-6600 REC.2 BBLs OIL & GOOD GAS.POOH
W/TBG & PKR. RD BOP & RU FRAC HEAD. RU HOWCO & FRAC PERFS @
8152-8618 W/140,000 GAL BS60 (5%) W/350,000# 20/40 SAND.
MAX PRESS 4600, AV-3500,FINAL-3200 MAX-RATE 56,AV-52,FINAL-
52 ISIP 2050 15 MIN-1970 (3440 BBLs TO REC.) R.U. CARDINAL
& RUN TEMP. SURVEY..OPEN WELL TO PIT FOR CLEAN UP.
DC-88,360
CC:260,920

03/02/86 WELL FLOWED ALL NIGHT, STARTED CUTTING OIL & GAS IN MORNING.
WELL DIED @ 9:30AM..R.D. FRAC HEAD & R.U. BOP.. GIH W/ TBG
& ANCHOR TO 8000' . SDFN DC-1850 CC-262,770

03/03/86 SD FOR SUNDAY.

03/04/86 SITP-500 (GOOD GAS) CONT IN HOLE W/ TBG.. TAG SAND @ 8834..
RU HUGHES & CIRC. OUT 155 FT. OF SAND TO 8990.. PULL TBG UP
& SET ANCHOR @ 8057 (SN @ 8716) RD BOP & RU PRODUCTION
WELLHEAD..START IN HOLE W/ PMP & RODS.. (21 JTS TAIL PIPE,
TBG ANCHOR, & 260 JTS ON TOP. SDFN. DC-2350 CC:263,270

03/05/86 GIH WITH 1 1/2 X 24' PMP, 1-2'X 3/4 PONY, 210-3/4 RODS,
137-7/8 RODS, 1-6' PONY, 2-4' PONIES, & 1-2' PONY.. HANG
WELL ON.. TURN OVER TO PRODUCTION. (16 JTS 2 3/8 TBG L.O.L.)
DC-850 CC-264,120

03/06/86 TURNED OVER TO PROD.

03/07/86 180-BW

03/08/86 193-BW

03/09/86 24-BW

03/10/86 73-BW

03/11/86 61-BO

03/12/86 97-BO

03/13/86 101-BO

03/14/86 71-BO

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AMOCO PRODUCTION CO.
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200 N. LORRAINE
MIDLAND, TEXAS

79701

PROSPECT
LOCATIONMESQUITE 2 STATE #5
660' FSL & 1980' FWL, SEC 2
T-18S R-31E, EDDY CTY, NM
9100'PROJECTED TD
CONTRACTOR

PETERSON DRILLING

03/15/86 82-BO
03/16/86 50-BO
03/17/86 83-BO
03/18/86 74-BO
03/19/86 DROP FROM REPORT.

Fig Mesquite 2 State #4

FIELD: Tamano Bone Springs

COUNTRY: Eddy

STATE: New Mexico

LEASE:

ID/LOC: Sec. 2, T-18S, R-31E

OPERATOR: Harvey E. Yates Company

RESERVOIR: Bone Springs

PERF:

DATE COMPLETED:

MONTH	WORTH ALLOW.	OIL COMD. - BOLS.			GAS - MCP			WATER - BOLS			O.O.R.			PRESSURE			INTERESTS
		DAILY	MONTHLY	CUMULATIVE	DAILY	MONTHLY	CUMULATIVE	DAILY	MONTHLY	CUMULATIVE	B.P.M.	FT.	WT.	WT.	REMARKS		
APR		274	1097	1097	270	270	270	0	0	0	246					4	
MAY		109	2952	4049	1051	1321	1321	120	120	275	356					27	
JUN		104	2824	4973	1197	2518	2518	983	983	3103	252	409				28	
JUL		246	2606	9579	2638	5156	1384	516	4003	21.8	889					30	
AUG		2580	263	1846	1435	1241	8326	480	4483	20.3	812					31	
SEP		54	1468	14975	122	9452	583	5066	25.9	675						31	
OCT		40	1174	16149	1035	10487	376	5442	21.3	882						29	
NOV		2666	42	1311	19368	1027	11514	408	5850	23.7	783					31	
DEC																	
JAN																	
FEB																	
MAR																	
APR																	
MAY																	
JUN																	
JUL																	
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AUG																	
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OCT																	
NOV																	
DEC																	

IS BOPD

3630

AMOCO PRODUCTION CO.
200 N. LORRAINE
ATTN: BILL DAVIS
MIDLAND, TEXAS

79701

PROSPECT
LOCATIONMESQUITE 2 STATE #4
1980' FSL & 660' FEL, SEC 2
T-18S R-31E, EDDY COUNTY, NM
9100PROJECTED TD
CONTRACTOR

PETERSON DRILLING

01/09/86 LOCATION READY. WO RIG.

01/10/86 DAY 1 OPER-DRLG DEPTH-305' PROG-305' FORM-RED BED MW-8.4 VIS
30 PH-7 DRLG-4 1/2 HRS, MI & RU-11 HRS. NO COST AVAIL
SPUD @ 1:30 AM 1/10/8601/11/86 DAY 2 OPER-DRLG DEPTH-777' PROG-472' FORM-ANHY DEV 1/2 DEG @
356' MW-8.7 VIS-30 PH-8 DRLG-5 3/4 HRS, CIRC-1 HR, RUN CSG-1
3/4 HRS, CMT'G-1 3/4 HRS, WOC-NU & TEST BOP-12 HRS, DRLG CMT
1 3/4 HRS DC-\$17,683 CC-\$17,683
RAN 9 JTS 13 3/8" J-55 ST&C 54.5# CSG. SET @ 356'.
RAN 1 SHOE JT. TEST CSG TO 600# FOR 30".
CMT W/385 SXS OF HI-EARLY II W/2% CACL2 & 1/4# CELLOFLAKE/SX
CIRC 65 SXS TO PIT. PD @ 11:15 AM.01/12/86 DAY 3 OPER-DRLG DEPTH-2180' PROG-1403' FORM-ANHY DEV 3/4 DEG
@ 869, 1 DEG @ 1352, 1 1/4 DEG @ 1850' MW-10 VIS-29 PH-9 CL-
170,000 DRLG-23 HRS, TOTCO-1 HR DC-\$14,063 CC-\$31,74601/13/86 DAY 4 OPER-WOC DEPTH-2305' PROG-125' FORM-ANHY DEV 1 1/4 DEG
@ 2305' MW-10 VIS-30 PH-9 CL-170,000 DRLG-6 1/2 HRS, TRIPS-3
3/4 HRS, SER RIG-1/4 HR, CIRC-1/2 HR, REAMING TO BTM-1/4 HR,
RUN CSG-1 3/4 HRS, CMT'G-2 HRS, WOC-9 HRS
RAN 54 JTS 8 5/8" J-55 ST&C 24# CSG. SET @ 2305'
CMT W/700 SXS LW IV (1.54 YD & 13.6 PPG) W/6#/SX SALT, 1/4#/
SX CELLOFLAKE, 2% GEL & 200 SXS HI-EARLY II (1.26 YD & 14.8
PPG) W/2% CACL2. CIRC 48 SXS TO PIT. PD @ 9:00 PM 1/12/86
DC-\$25,350 CC-\$55,096. TEST CSG TO 1000# FOR 30"01/14/86 DAY 5 OPER-DRLG DEPTH-3138' PROG-833' FORM-ANHY DEV 1 DEG @
2792' MW-8.5 VIS-28 PH-9.5 CL-21,000 DRLG-18 1/4 HRS, TOTCO-
1/4 HR, REPAIRS-3/4 HRS, WOC-3 HRS, DRLG-CMT-1 3/4 HRS
DC-\$5600 CC-\$60,69601/15/86 DAY 6 OPER-DRLG DEPTH-3982' PROG-844' FORM-DOLO DEV 1 DEG @
3282', 3/4 DEG @ 3779' MW-8.5 VIS-28 PH-9.5 CL-18,000 DRLG-
23 1/2 HRS, TOTCO-1/2 HR DC-\$17,211 CC-\$77,90701/16/86 DAY 7 OPER-DRLG DEPTH-4682' PROG-700' FORM-DOLO DEV 1 DEG @
4275' MW-8.5 VIS-28 PH-9.5 CL-18,000 DRLG-23 3/4 HRS, TOTCO-
14 HR DC-\$14,084 CC-\$91,48101/17/86 DAY 8: OPER-BIT TRIP DEPTH-5403' PROG-721' FORM-DOLO &
SAND DEV- 1 1/4 DEG @ 4761', 3/4 DEG @ 5006', 1 1/2 DEG @
5240', MW-8.5 VIS-28 PH-9.5 CL-18000. TIME: DRLG-22 HR,
TRIPS-1 HR, TOTCO-3/4 HR, SER RIG-1/4 HR.
DC=\$17,460 CC=\$108,941DAY 7: OPER-DRLG DEPTH-4682' PROG-700' FORM-DOLO DEV-
1 DEG @ 4272' MW-8.5 VIS-28 PH-9.5 CL-18000. TIME:
DRLG-23 3/4 HR, TOTCO-1/4 HR. DC=\$14,847 CC=\$91,481

3630

AMOCO PRODUCTION CO.
200 N. LORRAINE
ATTN: BILL DAVIS
MIDLAND, TEXAS

79701

PROSPECT
LOCATIONMESQUITE 2 STATE #4
1980' FSL & 660' FEL, SEC 2
T-18S R-31E, EDDY COUNTY, NMPROJECTED TD
CONTRACTOR9100
PETERSON DRILLING

01/18/86 DAY 9 OPER-DRLG DEPTH-5858 PROG-455 FORM DOLO SD
DEV 1 3/4 @ 5363 1 1/2 @ 5505 2 3/4 @ 5741 MW 8.5 VIS-28
PH 9.5 CL 18000 DRLG 20 HRS. TRIPS 3 1/4 TOTCO 1/2 SER RIG
1/4 HR. DC 13,607 CC-122,548

01/19/86 DAY 10 OPER DRLG DEPTH 6207 PROG 349 FORM DOLO & SAND
DEV 2 3/4 @ 5830, 2 1/2 @ 5932, 2 1/4 @ 6052 MW 8.5 VIS 28
PH 9 CL 19000 DRLG 22 HRS, TOTCO 1 3/4 HRS. SER RIG 1/4 HR.
DC-\$7130 CC-\$129,678

01/20/86 DAY 11 OPER-DRLG DEPTH-6480' PROG-273' FORM-DOLO DEV 2 DEG @
6321', 2 1/2 DEG @ 6455' MW-8.6 VIS-29 PH-9 CL-22,000
DRLG-22 3/4 HRS, TOTCO-1 HR, SER RIG-1/4 HR
DC-\$7283 CC-\$136,961

01/21/86 DAY 12 OPER-DRLG DEPTH-6762' PROG-282' FORM-DOLO & CHERT
DEV 2 DEG @ 6589', 1 3/4 DEG @ 6711' MW-8.5 VIS-29 PH-9
CL-22,000 DRLG-22 3/4 HRS, TOTCO-1 HR, SER RIG-1/4 HR
DC-\$5583 CC-\$142,544

01/22/86 DAY 13 OPER DRLG DEPTH 6983 PROG 221' FORM LM CH SH DEV
1 3/4 DEG @ 6760, 2 DEG @ 6841, MW-8.6 VIS-28 PH-9.5
CL-22000 NO3-1.8 DRLG 13 1/2 HRS, TRIPS 10 HRS, TOTCO 1/2 HR
DC-\$5144 CC-\$147,688

01/23/86 DAY 14 OPER-DRLG DEPTH-7375' PROG-342' FORM-LI & CH
DEV 1 1/2 DEG @ 6913', 2 DEG @ 7165' MW-8.6 VIS-28 PH-9
CL-19,000 DRLG-22 1/4 HRS, TOTCO-1 HR, SER RIG-1/4 HR
REPAIRS-1/2 HR DC-\$4750 CC-\$152,438

01/24/86 DAY 15 OPER DRLG DEPTH 7548' PROG 223 FORM SD & DOLO
MW 8.6 VIS 29 PH 9 CL 19000 NO3 1.4 DRLG 15 HRS. TRIPS
8 HRS. TOTCO 1 HR. DC. \$7164 CC-\$159,602

01/25/86 DAY 16 OPER-DRLG DEPTH-7859' PROG-311' FORM-DOLO & CH DEV
3/4 DEG @ 7620', 1/2 DEG @ 7768' MW-8.5 VIS-28 PH-9
CL-19,000 NO3-1.4 DRLG-21 3/4 HRS, TOTCO-1 HRS, SER RIG-1/2
HR CIRC-3/4 HRS DC-\$4541 CC-\$164,143

01/26/86 DAY 17 OPER-BIT TRIP DEPTH-8186' PROG-327' FORM-DOLO & CH
DEV 3/4 DEG @ 7920', 1 DEG @ 8100' MW-8.5 VIS-29 PH-9.5
CL-19,000 DRLG-21 3/4 HRS, TRIPS-1 HR, TOTCO-1 HR, SER RIG-
1/4 HR DC-\$6037 CC-\$170,180

01/27/86 DAY 18 OPER-DRLG DEPTH-8462' PROG-276' FORM-DOLO DEV 3/4 DEG
@ 8162', 1/2 DEG @ 8406' MW-8.6 VIS-28 PH-9 CL-19,000 NO3-
3.0 DRLG-17 1/4 HRS, TRIPS-5 HRS, TOTCO-1/2 HR, REAM TO BTM-
1 1/4 HR DC-\$6309 CC-\$176,489

01/28/86 DAY 19 OPER DRLG DEPTH 8833 PROG 371 FORM DOLO & SND. DEV.
1 1/4 DEG @ 8632' MW 8.6 VIS 28 PH 9 CL 20,000 NO3 2.6
DRLG 23 1/4 HRS. TOTCO 1/2 HR. SERVICE RIG. 1/4 HR.

3630

AMOCO PRODUCTION CO.
200 N. LORRAINE
ATTN: BILL DAVIS
MIDLAND, TEXAS

79701

PROSPECT
LOCATIONMESQUITE 2 STATE #4
1980' FSL & 660' FEL, SEC 2
T-18S R-31E, EDDY COUNTY, NMPROJECTED TD
CONTRACTOR9100
PETERSON DRILLING

DC-\$5447 CC: \$181,936

01/29/86 1-29-86 DAY 20 OPER-CIRCL TO LOG DEPTH- 9100' PROG-267'
FORM-DOLO & SND. DEV-1 DEG @ 8900' MW-8.5 VIS-28 PH-9
CL-20,000 NO3-2.6 DRLG-19 HRS. TRIPS- 1/2 HR. TOTCO-1/2 HR
SERVICE RIG-1/4 HR. CIRC-3 3/4 HR. DC: \$6900. CC:\$188,836.01/30/86 DAY 21 OPER- LD-DRILL PIPE DEPTH-9100 PROG-0 FORM-DOLO &
SAND MW-8.5 VIS-29 PH 9 CL. 20,000 TRIPS 6 1/4 HRS.
CIRC 5 1/2 HRS. LOG 7 1/4 HRS. 5 HRS. LDDP.
DC-\$7350 CC-\$196,18601/31/86 RAN 222 JTS 5 1/2" 17# J55 (9108') SET @ 9092'
DV TOOL @ 5615'
MARKER JT @ 7447-26
FLOAT @ 9067CEMENT W/ 400 SKS LIT WATE 1V W/6.9#/SALT, 1/4#CELLO FLAKE
2% GEL (13.6# & 1.57 YD) & 400 SXS S.S.I. W/ 1/4#/ CELLO
CAKE (14.8# & 1.54 YD)
COULD NOT GET DV TOOL OPEN SHUT WELL IN CUT OFF & RELEASE
RIG @ 5:00AM 1-31-86

02/03/86 WO PULLING UNIT

02/04/86 WO-PULLING UNIT

02/05/86 MI & RU CHASE PU & RENTAL EQUIP. & 286 JTS OF 2 3/8" TBG.
GIH W/ 4 3/4" BIT, 4-DC'S 5 1/2 CSG SCRAPER & TBG TO 5615.
RU COMPLETION RENTAL & TEST CSG TO 2000#/15 MIN. HELD OK
DRILLOUT DV TOOL & PRESSURE TEST. PUMP IN TO CSG W/ BPM @
2400# SDFN DC-\$4500 CC-\$450002/06/86 PRESSURE TEST CSG TO 1000# - LAST 150# IN 30 MIN. POH W/BIT
& TBG. RIH W/PKR & TBG, TEST DV TOOL FOR LEAKS, SET PKR @ 5
315'. RU DOWELL. SQZ DV TOOL W/150 SXS OF CLASS "H" W/1%
D-60 & 1/2% D-65. COULD NOT ESTABLISH SQUEEZ PRESS. PULL
PKR TO 5000'. PRESS UP FORMATION TO 2000#. SWI & SDFN.
DC - \$2590; CC - \$7090.02/07/86 PRESSURE TEST SQUEEZE TO 3600#. BLED OFF TO 2100#/60 MIN.
POOH W/ PKR & TBG.. GIH W/ BIT, DC'S & TBG.. TAG CEMENT @
5436. RU REVERSE UNIT & DRILL OUT CEMENT. TEST SQUEEZE TO
2500#BLED OFF TO 1750#/15 MIN. GIH TO 9060 (PBSD) CIRCL.HOLE
CLEAN. SDFN.DC:\$6660 CC-\$13,75002/08/86 POH W/BIT & TBG. RU PENG0 & RUN CBL/CCL & GR FROM 9035'
(PBSD) TO 5350' (TOC). MARKER JT @ 7447' TO 7426', DV TOOL
@ 5315'. PERF @ 8832' TO 8838' (2 SPF/13 HOLES). RD PENG0
SDFN. DC- \$6750; CC - \$20,500.02/09/86 GIH W/MODEL "R" PKR, SN & TBG. SET PKR @ 8727. RU SWB,
IFL 100', FFL 5300', REC 94 BBLs, SMALL SHOW OF GAS. SDFN.

3630

AMOCO PRODUCTION CO.
200 N. LORRAINE
ATTN: BILL DAVIS
MIDLAND, TEXAS

79701

PROSPECT MESQUITE 2 STATE #4
 LOCATION 1980' FSL & 660' FEL, SEC 2
 - T-18S R-31E, EDDY COUNTY, NM
 PROJECTED TD 9100
 CONTRACTOR PETERSON DRILLING

DC - \$1650; CC - \$22,150.

02/10/86 SD FOR SUNDAY. WATER ANALYSIS:

SP. GR	1.050	SO4	250
PH	7	HCO3	122
CA	3000	FE	+10
MG	3042	NA	18598
CL	42,600	NO3	.15

MG-3042

CL-42600

S04-250

HC03-122

02/11/86 SHUT DOWN FOR WEATHER.

02/12/86 SITP-50 IFL-900' REC-4 BBLS WTR. POOH W/TBG.. RU PENG0 &
 PERFORATE 8692-8700 (2SPF/17 HOLES) GIH W/RBP,PKR & TBG..SET
 RBP @ 8762 & SET PKR @ 8602.. RU SWAB IFL-700 FFL-4600
 REC 40 BBLS. NO SHOWS. SDFN. DC-4340 CC-26,490

02/13/86 SITP-50# IFL-1700 FFL-4600 REC.52 BBLS-WTR (TRACE OF GAS)
 POOH W/TBG. RBP & PKR R.U. PENG0 & SET CIBP @ 8685' & 17'
 CEMENT (NEW PBTDC-8668) SDFN DC-1850 CC-28340

02/14/86 R.U. PENG0 & PERFORATE @ 8488, 94, 8501,24,32, 56,68, 85,90
 & 8600 (1 SPF-10 HOLES). GIH W/ PKR & TBG.. R.U. HUGHES &
 SPOT 150 GAL OF 7 1/2% SRA @8601. PULL PKR TO 8410 & SET.
 BREAK DOWN PERFS. BROKE @ 2700.. PUT ACID AWAY. ACIDIZE W/
 2850 GAL ACID & BALL SEALERS.

MX PRESS-6000 (BALL OUT)

ISIP-1750

AV.PRESS-4000

TLTR-107 BBLS

FINAL PRESS-4100

IFL-SURFACE

MX, AV & FINAL RATE 5 BPM

FFL-8400

REC. 45 BBLS.

LAST 2 RUN 1% OIL CUT & GOOD GAS. SDFN DC-9410 CC-37,750

02/15/86 SITP 100 IFL-6600 FFL-8400 5 RUNS REC. 9 BBLS. 80% OIL
 & GOOD GAS RD SWAB RU KUYKENDALL. RUN BOMB IN HOLE FOR
 72 HRS BU. SDFN DC-850 CC-38,600

02/16/86 SDF WEEKEND.

02/18/86 SITP-50# POOH W/BOMBS. LOAD TBG. & POOH. R.U. BOMONK &
 START TESTING IN HOLE W/ 3 1/2" TBG.& PKR.(TEST TBG TO 8500)
 DC-3050 CC-41,650

02/19/86 FINISH TESTING IN HOLE W/ PKR & 3 1/2 TBG. SET PKR. @ 8396'
 R.D. BOMONK.. RD BOP/RU FRACHEAD.. SDFN DC-4350 CC-46,000

02/20/86 R.U. DOWELL & FRAC PERFS @ 8488-8600' W/100,000 GAL BS-60 &
 250,000# 20/40 SND.

MAX PRESSURE-8450#

MAX RATE- 40 BPM

AV PRESS 7550

AV RATE 38 BPM

3630

AMOCO PRODUCTION CO.
200 N. LORRAINE
ATTN: BILL DAVIS
MIDLAND, TEXAS

79701

PROSPECT
LOCATIONMESQUITE 2 STATE #4
1980' FSL & 660' FEL, SEC 2
T-18S R-31E, EDDY COUNTY, NM
9100PROJECTED TD
CONTRACTOR

PETERSON DRILLING

FINAL PRESS 7400 FINAL RATE 40 BPM
ISIP 2200
15 MIN 1950S.W.I. FOR 2 HOURS (2470 BBLs LOAD TO REC.)
START FLOW BACK.. LEAVE FLOWING THROUGHOUT NIGHT.
DC-79,300 CC-125,30002/21/86 WELL FLOWED OFF & ON ALL NIGHT. LOAD TBG. & R.D. FRAC HEAD
& R.U. B.O.P.. POOH W/PKR & LAY DOWN 3 1/2" TBG. START IN
HOLE W/ S.N. & TBG..SDFN DC-6250 CC-131,55002/22/86 FINISH GIH W/ TBG . CIRC. TO PBD (60' OF FILL) PULL & SET
ANCHOR @ 8396 SN @ 8630 (7JTS OF TAIL PIPE & 261 JTS ABOVE
ANCHOR.) RD BOP/RU WELLHEAD. GIH W/PUMP AND RODS. SDFN..
(NOTE-18 JTS ON LOCATION) NO COST AVAILABLE.02/23/86 GIH W/ RODS. (2" X 1 1/2' PUMP. W/6" STRAINER, 1-2 X 3/4
PONY, 209-3/4 RODS, 134-7/8 RODS, 2-6' 7/8 PONIES & 1-4 PONY
& 1-22' P.R. & 1-12' LINEAR,) START WELL PUMPING @ 12:30 PM
2-22-86 TURN OVER TO PUMPER.
NO COST AVAILABLE

02/24/86 SD FOR SUNDAY

02/25/86 71-BO

02/26/86 96 B-0

02/27/86 53-BO

02/28/86 125-BO

03/03/86 57-BO

144-BO

18-BO

03/04/86 149-BO

03/05/86 100-BO

03/06/86 102-BO 126-BW

03/07/86 101-BO 67-MCF

03/08/86 120-BO

03/09/86 94-BO

03/10/86 78-BO

03/11/86 107-BO

03/12/86 105-BO

03/13/86 93-BO

03/14/86 DOWN

03/15/86 77-BO

03/16/86 36-BO

03/17/86 116-BO

03/18/86 134-BO

03/19/86 DROP FROM REPORT.

3630

AMOCO PRODUCTION CO.
200 N. LORRAINE
ATTN: BILL DAVIS
MIDLAND, TEXAS

79701

PROSPECT
LOCATIONMESQUITE 2 STATE #4
1980' FSL & 660' FEL, SEC 2
T-18S R-31E, EDDY COUNTY, NM-
PROJECTED TD
CONTRACTOR9100
PETERSON DRILLING

10/31/86 DAY 22 OPER-R.D. DEPTH-9092 CIRC-2HRS LDDP-2 JR/
3/4HR R.U. CSG. CREW4 3/4 HR RUNNING 5 1/2 CS/
2 HRS. CEMENTING STAGE PLUG DOWN 5:30PM DC-149.750
CC:\$354,936

ALLIBURTON DIVISION LABORATORY
HALLIBURTON SERVICES
MIDLAND DIVISION
ARTESIA, NEW MEXICO 88210
LABORATORY WATER ANALYSIS

FEB 4 1986

No. W88-86

To Mr. Mickey YoungDate February 14, 1986Harvey E. Yates CompanyP. O. Box 1933Roswell, NM 88201

This report is the property of Halliburton Company and neither it nor any part thereof nor a copy thereof is to be published or disclosed without first securing the express written approval of laboratory management; it may however, be used in the course of regular business operations by any person or concern and employees thereof receiving such report from Halliburton Company.

Submitted by _____ Date Rec. February 14, 1986Well No. Mesquite 2 St. #4 Depth _____ Formation _____

County _____ Field _____ Source _____ Swab _____

Resistivity109 @ 70°Specific Gravity 1.052 @ 60°pH 8.0Calcium (Ca) 3,000 *MPLMagnesium (Mg) 1,150Chlorides (Cl) 45,000Sulfates (SO₄) HeavyBicarbonates (HCO₃) 150Soluble Iron (Fe) NilNitrates 35

Remarks:

*Milligrams per liter

Warren Lane
Respectfully submitted,

Analyst: Warren Lane - Field Engineer
cc:

HALLIBURTON COMPANY

NOTICE

This report is limited to the described sample tested. Any user of this report agrees that Halliburton shall not be liable for any loss or damage, whether it be to act or omission, resulting from such report or its use.

FILE Can-Ken 4 Federal #1

TAMANO

COUNTY: Lea

STATE: New Mexico

LEASE: Can-Ken 4 Federal

I.D./LOC: Sec 4, T-18S, R-31E

OPERATOR: HEYCO

RESERVOIR: Bone Springs

PERF: 8

DATE COMPLETED:

MONTH	MONTH ALLOW.	OIL/COND. - BBL'S			GAS - MCF			WATER - BBL'S			G.O.R.			PRESSURE			INTERESTS
		DAILY	MONTHLY	CUMULATIVE	DAILY	MONTHLY	CUMULATIVE	DAILY	MONTHLY	CUMULATIVE	%	B.P.M.	PTP.	STP.	SNP.	Days	REMARKS
JAN.																	
FEB.																	
MAR.																	
APR.																	
MAY																	
JUN.		1570	4240	4240		1728	1728		539	539	11.3	408				27	
JUL.		1024	3173	7413		1984	3112		164	703	4.9	625				31	
AUG.		746	2312	9725		1984	5696		52	765	2.2	858				31	
SEP.	5340	63.2	1896	11621		1920	7616		55	810	2.8	1013				30	
OCT.	5518	56.3	1745	13366		1220	8836		53	863	2.9	699				31	
NOV.	5340	52.6	1525	14891		376	9212		43	906	2.7	247				29	
DEC.	5518	49.8	1393	16284			9251		39	945	2.7					28	
JAN.	1668	2851	116284			9213			945								
FEB.	484	316	1108	17495		1921	11180		0	945	0	1593				29	
MAR.	5518	36.3	1126	18603		1612	12793		84	1021	7.0	1456				28	
APR.	5340	34.8	1094	19789		1662	14755		133	1162	10.5	1476				31	
MAY	5518	44.3	1113	20773		1550	16005		123	1285	10.5	1485				30	
JUN.	5340	38.1	1144	21846		1191	17196		255	1540	8.16	829				24	
JUL.	5518	36.1	1130	23030		1551	18747		112	1652	8.89	1356				30	
AUG.	5518	39.3	1218	24150		1412	20159		182	1834	14.0	1221				31	
SEP.	5340	26.3	790	25368		1348	21507		51	1885	4.0	1107				31	
OCT.	5518	36.7	1137	26158		1033	22540		96	1975	10.2	1308				30	
NOV.				27295		1201	23744		87	2062	7.1	1059				31	
DEC.																	
JAN.																	
FEB.																	
MAR.																	
APR.																	
MAY																	
JUN.																	
JUL.																	
AUG.																	
SEP.																	
OCT.																	
NOV.																	
DEC.																	

4 Bpd

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PROSPECT CAN KEN 4 FED #1
LOCATION 1980' FNL, 1660' FEL
- SEC 4, TWP 18S, RNG 31E
PROJECTED TD 12000
CONTRACTOR MAC CHASE

06/16/84 BUILDING LOCATION
06/17/84 BUILDING LOC
06/18/84 BLDG LOC
06/19/84 BLDG LOCATION
06/20/84 BLDG LOC
06/21/84 BLDG. LOC.
06/22/84 MOVE RIG IN
06/23/84 DAY 1 OPER-DRLG DEPTH-310' PROG-310' FORM-SURF. ROCK MW-8.8
VIS-33 PH-9.5 DRLG-9 1/2 HRS, RU-14 1/2 HRS.
DC-\$15,690 CC-\$15,690
SPUD WELL @ 8:30 PM 6/22/84
06/24/84 DAY 2 OPER-DRLG DEPTH-715' PROG-405' FORM-DOLO DEV.482'-1/2
DEG. MW-9.8 VIS-33 PH-8 CL-1200 SOLIDS-.5% DRLG-20 1/2 HRS,
TRIPS-2 1/4 HRS, TOTCO-1/4 HR, REPAIRS-1 HR. DC-12,185
CC-\$27,875
06/25/84 DAY 3 OPER-TRIP IN HOLE DEPTH-762' PROG-47' FORM-ANHY
DEV. 752'- 1 1/2 DEG MW-8.5 VIS-29 PH-8 DRLG-4 1/2 HRS, TRIP
3 1/4 HRS, RUN CSG-3 HRS, CMT-1 1/2 HR, WOC-12 HRS.
DC-\$25,428 CC-\$53,303
CSG REPORT-RAN 18 JTS 13 3/8" 54-50 J-55 ST&C. 762'
SET @ 760'. CMT W/375 SXS 6535 HALLIBURTON LITE W/2% CACL,
1/4# FLOW SEAL. 300 SXS CLASS "C" W/2% CACL, 1/4# FLOWSEAL.
CIRC. 125 SXS TO PIT. PD @4:30 PM 6/24/84
06/26/84 DAY 4 OPER-RUN WIRE LINE SURVEY DEPTH-1774' PROG-1012' FORM-
ANHY & SALT DEV. 1271'-2 1/4 DEG MW-9.6 VIS-29 PH-10.5 CL-
42,000 SOLIDS-.6% DRLG-16 HRS, TRIPS-1/2 HRS, TOTCO-1/4 HR,
CLEAN OUT FLOW LINE-3 HRS, DRILL FLOAT PLUG & CMT-4 1/4 HRS.
DC-\$33,206 CC-\$86,509
06/27/84 DAY 5 OPER-DRLG DEPTH-2232' PROG-458' FORM-ANHY & SHALE
DEV. 1774'-3/4 DEG, 2121'-1 DEG. MW-10.3 VIS-28 PH-10
CL-164,000 SOLIDS-2.3% DRLG-19 1/4 HRS, TRIPS-3 1/4 HRS,
TOTCO-1/4 HR, CUT DRLG LINE-1 1/4 HR. DC-\$12,551 CC-\$99,060
06/28/84 DAY 6 OPER-DRLG DEPTH-2625' PROG-393' FORM-ANHY & DOLO
MW-10.2 VIS-29 PH-10 CL-182,000, SOLIDS-3.2% DRLG-23 1/4 HR,
CIRC.-1/4 HR. DC-\$13272 CC-\$112,322
06/29/84 DAY 7 OPER-DLRG DEPTH-2991' PROG-366' FORM-ANHY & DOLO
DEV. 2621'-3/4 DEG. MW-10.2 VIS-29 PH-10 CL-192,000 SOLIDS-
2.4% DRLG-23 1/2 HRS, TOTCO-1/4 HR, SER RIG-1/4 HR DC-\$9991
CC-\$122,323
06/30/84 DAY 8 OPER-DRLG DEPTH-3293' PROG-304' FORM-LI & DOLO DEV
3129'-3/4 DEG MW-10.2 VIS-29 PH-10 CL-175,000 SOLIDS-3.4%
DRLG 23 1/2 HRS, TOTCO-1/4 HR, SER RIG-1/4 HR DC-\$8651

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PROSPECT CAN KEN 4 FED #1
LOCATION 1980' FNL, 1660' FEL
- SEC 4, TWP 18S, RNG 31E
PROJECTED TD 12000
CONTRACTOR MAC CHASE

CC-\$130,974

07/01/84 DAY 9 OPER-DRLG DEPTH-3560' PROG-267' LI & DOLO MW-10.3
VIS-29 PH-11 CL-166,000 SOLIDS-4.6% DRLG-23 3/4 HRS, SER RIG
1/4 HR. DC-7150 CC-\$138,124

07/02/84 DAY 10 OPER-DRLG DEPTH-3750' PROG-190' FORM-LI & DOLO DEV
3629'-1 DEG MW-10.2 VIS-31 PH-10 CL-174,000 SOLIDS-3.5%
DRLG-23 1/4 HRS, TOTCO-1/2 HRS, 1/4 HR. DC-\$6443 CC-\$144,567

07/03/84 DAY 11 OPER-DRLG DEPTH-3965' PROG-215' FORM-LI & DOLO
DEV 3752'-1 DEG. MW-10.1 VIS-31 PH-10 CL-174,000 SOLIDS-3.5%
DRLG-17 HRS, TRIPS-6 1/4 HRS, REPAIRS-3/4 HR
DC-\$5660 CC-\$150,227

07/04/84 DAY 12 OPER-DRLG DEPTH-4380' PROG-415' FORM-DOLO & LM
DEV. 4121'-3/4 DEG. MW-10.1 VIS-30 PH-10 CL-175,000 SOLIDS-
2.5%. DRLG-23 1/4 HRS, TOTCO-1/2 HR, SER IRG-1/4 HR.
DC-\$10,817 CC-\$161,044

07/05/84 DAY 13 OPER-DRLG DEPTH-4718' PROG-338' FORM-DOLO & SD
DEV. 4621'-3/4 DEG. MW-10.1 VIS-30 PH-9.5 CL-178,000 SOLIDS-
2.4. DRLG-23 1/4 HRS, TOTCO-1/2 HR, SER RIG-1/4 HR.
DC-\$9600 CC-\$170,644

07/06/84 DAY 14 OPER-DRLG DEPTH-4986' PROG-268' FORM-DOLO MW-10 VIS-
30 PH-9.5 CL-174,000 SOLIDS-2% DRLG-23 3/4 HRS, SER RIG-1/4
HRS. DC-\$81,386 CC-\$252,030

07/07/84 DAY 15 OPER-RUN 8 5/8" CSG DEPTH-5004 PROG-14' FORM-LIME
MW-10 VIS-30 PH-9 CL-165,000 SOLIDS-3 DRLG-1 1/2 HRS, TRIPS-
3 HRS, CIRC-1 1/2 HRS, TRIP-7 HRS, LOG-8 1/2 HRS,
LD DP-2 1/2 HRS. DC-16,876 CC-\$268,906
CSG REPORT- RAN 125 JTS 8 5/8" J-55 ST & C(45 JTS-24#,79 JTS
32#)
5008' CSG SET @ 5004'
DV TOOL @ 3,003'

07/08/84 DAY 16 OPER-TRIP IN HOLE DEPTH-5000' PROG-0 FORM-DOLO
RAN 8 5/8" CSG-1 HR, CIRC CSG-1/2 HR, CMT 1ST STAGE-2 1/4 HR
CMT 2ND STAGE-1 3/4 HRS, CIRC THRU DV TOO-4 HRS, WOC-12 HRS,
PRESS UP TO 1200 PSI-1/4 HR, TRIP IN HOLE W/BOTTOM HOLE
ASSEMBLY-2 1/4 HRS. DC-\$37,950 CC-\$306,856
1ST STAGE- 700 SX "C" W/6# SALT/SX, 1/4# FLOSEAL, 15% CFR2
PD @ 9:55 AM 7/7/84 CIRC-80 SXS TO PIT
2ND STAGE- CEM 1600 SXS HOWCO LITE, 1/4# FLOSEAL 15# SALT/
SX. TAIL IN W/200 SXS CLASS "C" NEAT. PD @ 3:15 PM 7/7/84
CIRC-300 SXS TO PIT

07/09/84 DAY 17 OPER-DRLG DEPTH-5415' PROG-415' FORM-DOLO MW-8.4 VIS-
29 PH-11 CL-17,000 SOLIDS-1% DRLG-18 3/4 HRS, TRIPS-3/4 HRS,

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PROSPECT CAN KEN 4 FED #1
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 CONTRACTOR MAC CHASE

SER RIG-1/4 HR DRILL DV TOOL-2 3/4 HRS, DRILL PLUG, FLOAT
 COLLAR-1 1/2 HRS DC-13,587 CC-\$320,443
 07/10/84 DAY 18 OPER-DRLG DEPTH-5893' PROG-478' FORM-DOLO DEV. 5464'-
 2 DEG. MW-8.4 VIS-29 PH-10 CL-10,000 SOLIDS-1%. DRLG-23 1/4
 HRS, WORK BOP-1/4 HR. DC-\$12760 CC-\$333,203
 07/11/84 DAY 19 OPER-DRLG DEPTH-6239' PROG-346' FORM-DOLO & SH DEV. -
 5960'-3 1/2 DEG., 6159'-3 3/4 DEG. MW-8.4 VIS-29 PH-10.5 CL-
 10,000 DRLG-22 3/4 HRS, TOTCO-1 1/4 HRS.DC-\$9259 CC-\$342,462
 07/12/84 DAY 20 OPER-TOH DEPTH-6609' PROG-370' FORM-LI & SH DEV.-6220
 3 1/4 DEG, 6380'-3 DEG, 6580'-3 DEG. MW-8.4 VIS-29 PH-10.5
 CL-9,000 SOLIDS-1% DRLG-21 1/4 HRS, TOTCO-1 3/4 HRS, TOH-2
 HRS. DC-\$10,479 CC-\$352,941
 07/13/84 DAY 21 OPER-DRLG DEPTH-6640' PROG-31' FORM-LI & SH MW-8.4
 VIS-29 PH-10.5 CL-9,000 SOLIDS-1%. ACCIDENTS-1, DROPPED
 KELLEY BUSHING ON FOOT, NO DOCTOR. DRLG-1 1/2 HRS, TRIPS-4
 3/4 HRS, TEST STACK-8 1/4 HRS, REAM TO BOTTOM-9 1/2 HRS.
 DC-\$5012 CC-\$357,953
 07/14/84 DAY 22 OPER-DRLG DEPTH-7100' PROG-460' FORM-DOLO DEV.-6780'-
 2 1/2 DEG., 7030'-1 3/4 DEG. MW-8.4 VIS-29 PH-10 CL-8,000
 SOLIDS-1%, DRLG-22 1/2 HRS, TOTCO-1 1/2 HRS
 DC-\$11,696 CC-\$369,649
 07/15/84 DAY 23 OPER-DST DEPTH-7308' PROG-208' FORM-SD DEV. 7308'-
 1 3/4 DEG. MW-8.4 VIS-29 PH-10 CL-8,000 SOLIDS-1% DRLG-9 3/4
 HRS, SER IRG-1/4 HR, CIRC-2 1/2 HRS, DST #1-11 1/2 HRS
 DC-\$8437 CC-\$378,086
 DST #1 7255'-7308' TOP BOTTOM
 IH 3162-3148 3185-3172
 30" IF 53-67 54-81
 60" ISI 158 189
 60" FF 79-79 94-94
 120" FSI 184 216
 BHT-114 DEG.
 RW-MUD .7 @ 77 DEG CL-8000
 MID .65 @ 80 DEG. CL-8500
 WTR SAMP-.74 DEG. @ 68 DEG CL-8500
 SAMPLERS 50 CC-OIL
 1800 CC-WATER 40 PSI
 .0001458 CU FT GAS
 07/16/84 DAY 24 OPER-RIG REPAIR DEPTH-7456' PROG-148' FORM-LI & SH
 MW-8.4 VIS-29 PH-10.5 CL-8,000 SOLIDS-1% DRLG-9 HRS, REPAIRS
 1/2 HRS, DST TSTG-10 HRS, CUT DRLG LINE-1 HRS, REAM 90' TO
 BTM-3 1/2 HRS DC-\$9962 CC-\$378,086

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PROSPECT CAN KEN 4 FED #1
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 CONTRACTOR MAC CHASE

07/17/84 DAY 25 OPER-DST #2, DEPTH-7616' PROG-160' FORM-LI & SH, DEV.
 7616'-1 1/4 DEG. MW-8.4 VIS-29 PH-10.5 CL-8,000 SOLIDS-1%
 DRLG-8 3/4 HRS, CIRC-2 1/4 HRS, REPAIR-6 HRS, DST TSTG-7 HRS
 DST #2 7590'-7616' DC-\$7,799 CC-\$395,847

07/18/84 DAY 26 OPER DRLG DEPTH-7760 PROG-144' FORM-LI & SH MW-8.4
 VIS-28 PH-10 CL-7,000 SOLIDS-1% DRLG-8 3/4 HRS,
 DST #2-15 1/4 HRS DC-\$24,793 CC-\$420,640
 DST #2 7590'-7616'

	TOP	BOTTOM
IHP	3266	3306
30" IF	81-243	105-289
60" ISIP	2823	2909
60" FF	270-297	289-319
120" FSIP	3252	3280
RW @ .75 @ 70 DEG/MUD PIT-8500 CL		
RW @ .75 @ 70 DEG-8500 CL/TOP REC.		
RW @ .7 @ 70 DEG-9000 CL/BOTTOM REC.		
RW @ .65 @ 70 DEG-10,000 CL/SAMPLER		
SAMPLER-160#/1800 FLUID (200 CC-OIL) 1600 CC-WATER)		
.20 CU FT. GAS		
BHT-114 DEG.		

07/19/84 DAY 27 OPER-DRLG DEPTH-8180' PROG-348' FORM-LI & SH MW-8.4
 VIS-28 PH-10 CL-7,000 SOLIDS-1% DRLG-23 1/2 HRS, SER RIG-1/2
 HR. DC-\$12,259 CC-\$432,899

07/20/84 DAY 28 OPER-DRLG DEPTH-8387' PROG-279' FORM-LI & SH DEV.-
 8116'-2 3/4 DEG, 8300'-2 1/4 HRS. MW-8.4 VIS-28 PH-10 CL-
 6800 SOLIDS-1% DRLG-21 1/2 HRS, TOTCO-2 1/2 HRS.
 DC-\$7743 CC-\$440,642

07/21/84 DAY 29, OPERATION DRLG, DEPTH 8680', PROG 293', FORM DOLO,
 DEV 2 DEG @ 8600'. MW 8.4, VIS 28, PH 10.5, CL 6800, SOL 1%
 DRLG 23 HRS, TOTCO 3/4 HR, SERVICE RIG 1/4 HR. DC - \$7882;
 CC - \$448,524.

07/22/84 DAY 30, OPERATION DST #3, DEPTH 8726', PROG 46', FORM DOLO.
 MW 8.4, VIS 28, PH 9.5, CL 6000, SOL 1%. DRLG 2 3/4 HRS,
 TRIPS 1 HR, CIRC 4 1/4 HRS, DST #3 16 HRS. DC - \$9822;
 CC - \$458,346. DST #3 RESULTS (8670' TO 8724'):
 DP REC 8362' OF FLUID, HOLE IN DP - DST MISRUN. SAMPLER HAD
 2050 CC FLUID @ 200 PSI W/.381 CFG, SAMPLER RW .09, TEMP 82,
 CL 78,000. 30" IF 60" ISI
 60" FF 15" FSI

	MW	1	2	3	4	5	6	7
RW	.65	.51	.65	.82	.14	.15	.19	.09

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PROSPECT CAN KEN 4 FED #1
 LOCATION 1980' FNL, 1660' FEL
 SEC 4, TWP 18S, RNG 31E
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 CONTRACTOR MAC CHASE

	TEMP	90	89	89	89	86	86	86	86
	CL	7800	9800	7000	5800	35000	42000	28000	65000

07/23/84 DAY 31, OPERATION DRLG, DEPTH 8897', PROG 171', FORM DOLO.
 MW 8.4, VIS 28, PH 9.5, CL 7200, SOL 1%. DRLG 9 HRS, REAM
 TO BOT 2 HRS, DST #3 5 3/4 HRS, WOO, CUT DRLG LINE 7 1/4 HRS
 DC - \$7704; CC - \$466,050.

07/24/84 DAY 32 OPER-DST #4 DEPTH-9015' PROG-118' FORM-DOLO DEV. -
 8950'-1 3/4 DEG, 9015'-1 3/4 DEG. MW-8.4 VIS-29 PH-10
 CL-6800 SOLIDS-1% DRLG-9 1/2 HRS, TRIPS-1 HR, TOTCO-1 HR,
 CIRC-4 HRS, DST #4(8960'-9015')-8 1/2 HRS.
 DC-\$7087 CC-\$473,137

07/25/84 DAY 33 OPER-DRLG DEPTH-9135' PROG-120' FORM-DOLO & SD.MW-8.3
 VIS-28 PH-10.5 CL-6600 SOLIDS-1%. DRLG-7 1/2 HRS, TEST DST
 #4-16 1/2 HRS. DC-\$10,315 CC-\$483,452
 DST #4 8960'-9015'
 PIPE REC. 850' OIL 850'-DRLG. FLUID
 SP GR. (OIL) 39 @ 60 DEG.

		TOP
	IHP	3890
15"	IF	138-183
30"	ISI	986
120"	FF	183-321
240"	FSI	321
	FHP	3890

RW DRLG FLUID .72 @ 98 DEG 7,000 CL
 FLUID REC. .73 @ 96 DEG. 7,000 CL
 SAMPLER: 350 PSI 0 FLUID REC.
 2.69 CU FT GAS

07/26/84 DAY 34 OPER-DRLG DEPTH-9570' PROG-435' FORM-DOLO, SH & CHERT
 DEV.-9515'-1 1/2 DEG. MW-8.3 VIS-28 PH-10.5 CL-4,000 SOLIDS-
 1/2% DRLG-19 1/2 HRS, TOTCO-1 HR, SER RIG-1/4 HR, CIRC-3 1/4
 HRS. DC-\$11,617 CC-\$495,069

07/27/84 DAY 35 OPER-DRLG DEPTH-9878' PROG-308' FORM-SH & DOLO MW-8.4
 VIS-35 PH-9.5 WL-12.8 FC-1/32 CL-3700 SOLIDS-.5 DRLG-20 1/2
 HRS, SER RIG-1/4 HR, CIRC-3 1/4 HRS DC-\$12,129 CC-\$507,198

07/28/84 DAY 36 OPER-DRLG DEPTH-10,065 PROG-187' FORM-LI & SH DEV.-
 10,016'-1 3/4 DEG. MW-8.4 VIS-35 PH-10 WL-14 FC-1/32 CL-3600
 SOLIDS-1% DRLG-22 3/4 HRS, TOTCO-1 HR, SER RIG-1/4 HR
 DC-\$5546 CC-\$512,744

07/29/84 DAY 37 OPER-DRLG DEPTH-10,263' PROG-198' FORM-SHALE MW-8.4
 VIS-35 PH-10 WL-15 CFC-1/32 CL-2100 SOLIDS-1.2% DRLG-23 3/4
 HRS, SER RIG-1/4 HR. DC-\$6886 CC-\$519,630

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PROSPECT CAN KEN 4 FED #1
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 CONTRACTOR MAC CHASE

07/30/84 DAY 38 OPER-DRLG DEPTH-10,327' PROG-64' FORM-SH DEV.-10,289'
 1 1/4 DEG. MW-8.6 VIS-35 PH-9.5 WL-16.2 FC-1/32 CL-2000
 SOLIDS-2% DRLG-7 3/4 HRS, TRIPS-7 1/2 HRS, SER RIG-1/4 HR,
 CUT DRLG LINE-1 HR, REAM TO BOTTOM-7 1/2 HRS.
 DC-\$2542 CC-\$522,174

07/31/84 DAY 39 OPER-DRLG DEPTH-10,545' PROG-218' FORM-SHALE MW-8.7
 VIS-36 PH-10 WL-14.4 FC-1/32 CL-2200 SOLIDS-2% DRLG-23 3/4
 HRS, SER RIG-1/4 HR. DC-\$6427 CC-\$528,601

08/01/84 DAY 40 OPER-DRLG DEPTH-10,731 PROG-186' FORM-SHALE MW-8.9
 VIS-34 PH-10 WL-16.2 FC-1/32 CL-2000, SOLIDS-2.5%
 DRLG-23 1/2 HRS, INSTALL ROTARY HD-1/2 HR
 DC-\$6036 CC-\$534,637

08/02/84 DAY 41 OPER-DRLG DEPTH-10,913' PROG-182' FORM-SH DEV.-10772-
 1 DEG. MW-8.9 VIS-34 PH-10 WL-1/32 CL-1800 SOLIDS-4% DRLG-22
 3/4 HRS, TOTCO-1 HR, SER RIG-1/4 HR DC-\$5485 CC-\$540,122

08/03/84 DAY 42 OPER-DRLG DEPTH-11,004' PROG-91' FORM-SH & LI DEV.-
 10931'-1 DEG. MW-8.9 VIS-35 PH-10 WL-14.2 FC-1/32 CL-1800
 SOLIDS-4.8. DRLG-14 HRS, TRIPS-8 1/2 HRS, SER RIG-1/4 HR,
 CIRC-1/4 HRS. DC-\$3603 CC-\$543,725

08/04/84 DAY 43 OPER-DST #5 DEPTH-11,004 PROG-0 FORM-LI & SH MW-9
 VIS-36 PH-9.5 WL-18 FC-1/32 CL-1500 SOLIDS-4.6% CIRC-4 HRS,
 TESTING-20 HRS. DC-\$6124 CC-\$549,849
 DST #5 10,940-11,004' PIPE REC. 500' GAS CUT DRLG FLUID

	TOP	BOTTOM
IHP	5145	5192
30" IF	46-92	91-36
60" ISI	183	227
120" FF	138-115	159-159
240" FSI	138	250
FHP	5167	5192

SAMPLER: 40# 900 CC MUD W/TRACE OF OIL
 0.273 CU FT GAS

RW MUD .11 @ 86 DEG-31,000 CL (LOOKS LIKE HALLIBURTON RW
 TOP WTR .13 @ 96 DEG-28,000 CL METER WAS BROKEN, WAIT FOR
 MID WTR .14 @ 92 DEG-30,000 CL FINAL OFFICE COPY FOR TRUE
 BTM WTR .14 @ 90 DEG-28,000 CL RW)
 SAMPLER .12 @ 90 DEG-30,000 CL

BHT-150 DEG.

08/05/84 DAY 44 OPER-DRLG DEPTH-11,094 PROG-90' FORM-LI & SH
 DEV.-11,004-1 DEG. MW-9 VIS-35 PH-10 WL-13 FC-1/32 CL-2,000
 SOLIDS-4.6% DRLG-14 HRS, LAY DN TEST TOOL & TRIP IN HOLE W/
 BIT-10 HRS DC-\$9135 CC-\$558,898

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PROSPECT CAN KEN 4 FED #1
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CONTRACTOR MAC CHASE

08/06/84 DAY 45 OPER-DLRG DEPTH-11,221 PROG-127' FORM-LI & SH MW-9
VIS-35 PH-9.5 WL-13.4 FC-1/32 CL-2200 SOLIDS-4.4% ACCIDENT-1
FORIEGN MATTER IN LEFT EYE. DRLG-23 3/4 HRS, SER RIG-1/4 HRS
DC-\$5043 CC-\$564,027

08/07/84 DAY 46 OPER-DRLG DEPTH-11,360' PROG-139' FORM-LI & SH MW-9.1
VIS-35 PH-9.5 WL-12.6 FC-1/32 CL-1500 SOLIDS-4.5%
DRLG-22 3/4 HRS, SER RIG-1/4 HRS, REPAIRS-1HR.
DC-\$4451 CC-\$568,478

08/08/84 DAY 47 OPER-DRLG DEPTH-11,506 PROG-146' FORM-LI & SH DEV.-
11,430'-1 1/4 DEG. MW-9.1 VIS-41 PH-9.5 WL-8.4 FC-1/32
CL-1800 SOLIDS-6.3% DRLG-23 HRS, TOTCO-1 HR.
DC-\$6007 CC-\$574,485

08/09/84 DAY 48 OPER-DRLG DEPTH-11652' PROG-146' FORM-LI & SH MW-9.3
VIS-40 PH-10 WL-8.6 FC-1/32 CL-20,000 SOLIDS-6.2%
DRLG-23 3/4 HRS, SER RIG-1/4 HR. DC-\$6377 CC-\$580,862

08/10/84 DAY 49 OPER-CIRC SMAPLES DEPTH-11,700' PROG-48' FORM-LI & SH
DEV. 11663'-1 1/2 DEG. MW-9.2 VIS 38 PH-9.5 WL-9.8 FC-1/32
CL-2000 DRLG-10 HRS, TRIPS-7 3/4 HRS, CIRC-1 HR, REPAIRS-2
HRS, CUT DRLG LINE & BROKE CHAIN-3 1/4 HRS.
DC-\$2295 CC-\$585,157

08/11/84 DAY 50 OPER-REV. OUT DST #6 DEPTH-11,700' PROG-0' FORM-SAND
MW-9.2 VIS-43 PH-9.5 WL-9.4 FC-1/32 CL-2000 SOLIDS-6.2%
TRIP-1 HR, CIRC-3 HRS, DST #6-20 HRS. DC-\$5550 CC-\$590,707

08/12/84 DAY 51 OPER-PICKING UP WASH PIPE DEPTH-11,700 PROG-0' FORM-
SAND TRIP-18 1/4 HRS, REV. OOH. START OOH.1 1/2 HRS, 1/2
WAIT ON OVERSHOT-1/2 HR, PU WASH PIPE-3 3/4 HRS. PIPE PARTED
TOP FISH @ 250'. PU OVER SHOT. TIH TO T/FISH @ 250' CAUGHT
FISH. PIPE STUCK. RAN FREEE POINT. BACKED DP OFF @ 11,012.
LEFT 20 DC'S & DST TOOLS IN HOLE. CHAIN DP OOH.
DC-\$5600 CC-\$602,309

08/13/84 DAY 52 OPER-RUN COLLAR LOC. & SPUD BAR DEPTH-11,700 PROG--0'
FORM-SAND MW-9.3 VIS-39 PH-9, FC-1/32 CL-2,000 SOLIDS-5.8%
CIRC-1 1/2 HRS, TRIP IN 130' WASH PIPE-18 HRS, TRIP IN W/
SCREW IN SUB, BUMBER SUB, JARS & ACCES. SUB-2 HRS. WORK PIPE
-1 1/2 HRS, SPUD 11,012'-11,018-1 HR. WASHED 130' TO 11,142'
TOP OF FISH 11,012'. DC-\$5600 CC-\$602,309

08/14/84 DAY 53 OPER-TOH DEPTH-11,700 PROG-0' FORM-LI & SH MW-9.3 VIS
-39 PH-9 FC-1/32 CL-2000 SOLIDS-5.8. TRIP-5 1/2 HRS, CIRC-
3 3/4 HRS, WORKING PIPE OVERFISH & FISHING-11 1/4 HRS, RU
RY-CO-2 HRS, WORK STUCK PIPE-1 1/2 HRS. DC-\$5400 CC-\$607,709

08/15/84 DAY-54 OPER-TOOH W/FISH DEPTH-11,700 PROG-0' FORM-SD & SH
MW-9.2 VIS-42 WL-14 FC-1/32. FISHING FOR DST TOOLS-24 HRS.

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PROSPECT CAN KEN 4 FED #1
 LOCATION 1980' FNL, 1660' FEL
 - SEC 4, TWP 18S, RNG 31E
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 CONTRACTOR MAC CHASE

DC-\$5450 CC-\$618,759

08/16/84 DAY 55 OPER-WASH OVER FISH DEPTH-11,700 MW-9.2 VIS-35 PH-9.5
 WL-8.4 FC-1/32 CL-2500. TRIP-19 1/4 HRS, JAR ON FISH-2 HRS,
 BROKE OFF-1 HR, W/O FISH-1 3/4 HRS. DC-\$5450 CC-\$624,209

08/17/84 DAY 56 OPER-WASH OVER W/OVERSLOT DEPTH-11,700' PROG-0'
 MW-9.2 VIS-39 PH-9 WL-8 FC-1/32 CL-2900 WASH OVER-11 1/2 HRS
 TRIP OUT OF HOLE W/WASH PIPE-5 1/2 HRS, CMT DRLG LINE-1 HR,
 PU O/SHOT & TRIP IN HOLE-3 1/2 HRS, WASH OVER FISH W/OVER-
 SHOT-2 1/2 HRS. DC-\$5754 CC-\$629,963

08/18/84 DAY 57 OPER-TRIP OOH W/FISH DEPTH-11,700 PROG-0 MW-9.2 VIS-
 36 PH-9.5 WL-8.1 FC-1/32 CL-2400 TRIPS-12 1/2 HRS, REP-1 HR,
 WORK ON FISH-10 1/2 HRS. DC-\$6540 CC-\$636,503

08/19/84 DAY 58 OPER-TRIP IN HOLE W/GLOBE BASKET DEPTH-11,700 PROG-
 0 FORM-LI & SH MW-9.2 VIS-36 PH-9.5 WL-8.1 FC-1/32 CL-2700
 SOLIDS-6%. DRLG-4 1/4 HRS, TRIP-19 1/2 HRS, CUT DRLG LINE-
 1/4 HRS. DC-\$5418 CC-\$641,921

DST #6 11,670-11,700' PIPE REC.-1100' GAS CUT MUD

	TOP	BOTTOM
IHP	5654	5672
30" IF	708-774	720-742
60" ISI	4720	4583
120" FF	661-752	678-763
240" FSI	5218	5211
FHP	5610	5630

NO SAMPLER AVAIL.

08/20/84 DAY 59 OPER-DRLG DEPTH-11,715' PROG-15' FORM-SD & SH MW-9.0
 VIS-35 PH-9.5 WL-8.4 FC-1/32 CL-2700 SOLIDS-6% DRLG-3 HRS,
 TRIPS-12 HRS, REAMING IN-3 HRS, DRLG JUNK-6 HRS.
 DC-\$11,860 CC-\$653,781

08/21/84 DAY 60 OPER-DRLG DEPTH-11,835 PROG-120' FORM-LI & SH MW-9
 VIS-35 PH-9.5 WL-8.4 FC-1/32 CL-2,000 SOLIDS-4.7%
 DRLG-23 3/4 HRS, SER RIG-1/4 HR. DC-\$5876 CC-\$659,657

08/22/84 DAY 61 OPER-TRIP IN HOLE DEPTH-11,920' PROG-85' FORM-LI & SH
 MW-9.1 VIS-36 PH-9.5 WL-9.8 FC-1/32 CL-2300 SOLIDS-5 4%
 DRLG-16 1/4 HRS, TRIPS-7 HRS, SER RIG-1/4 HR, PUMP SOFT LINE
 IN HOLE-1/2 HRS. DC-\$138,850 CC-\$798,507

08/23/84 DAY 62 OPER-DRLG DEPTH-11,979' PROG-59' FORM-LI & SH MW-9.1
 VIS-35 PH-10 WL-9.6 FC-1/32 CL-2000 SOLIDS-5%
 DC-\$3243 CC-\$801,750

08/24/84 DAY 63 OPER-DRLG DEPTH-12,011 PROG-11' FORM-LI & SH MW-9.4
 VIS-44 PH-9 WL-8.6 FC-1/32 CL-3500 SOLIDS-10% OIL-1%
 DRLG-2 1/2 HRS, REAMING-2 3/4 HRS, CIRC & COND-16 3/4 HRS,

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PROSPECT CAN KEN 4 FED #1
 LOCATION 1980' FNL, 1660' FEL
 - SEC 4, TWP 18S, RNG 31E
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 CONTRACTOR MAC CHASE

DC-\$7688 CC-\$809,438
 08/25/84 DAY 64 OPER-DRLG DEPTH-12068' PROG-57 FORM-LI & SH MW-9.7
 VIS-50 PH-10 WL-8 FC-1/32 CL-3100 SOLIDS-10%
 DC-\$5725 CC-\$815,163
 08/26/84 DAY 65 OPER-CIRC & COND MUD DEPTH-12,100 PROG-82' FORM-LI &
 SH MW-9.5 VIS-51 PH-9.5 WL-8.9 FC-1/32 CL-2800 SOLIDS-17%
 OIL-1% DRLG-11 1/4 HRS, SER RIG-1/4 HR, CIRC-9 3/4 HRS,
 SHORT TRIP-2 3/4 HRS. DC-\$6563 CC-\$821,726
 08/27/84 DAY 66 OPER-CIRC FOR LOGS DEPTH-12,100 MW-10.5 VIS-50 PH-9.5
 WL-6 CL-2800 SOLIDS-17% TRIP-1 HR, SER RIG-1/2 HR,
 CIRC-22 1/2 HRS. DC-\$6252 CC-\$217,835
 08/28/84 DAY 67 OPER-CIRC. PREP TO LD DP DEPTH-12,100 PROG-0' FORM-
 LI & SH DEV-12,100-3/4 DEG. MW-10.5 VIS-50 PH-9.5 WL-8
 FC-1/32 CL-3100 SOLIDS-19% OIL-1% TRIPS-10 3/4 HRS,
 CIRC-2 1/4 HRS, CUT DRLG LINE-1 HR, LOGGING-10 HRS.
 DC-\$22,839 CC-\$861,090
 08/29/84 DAY 68 OPER-RUN CSG DEPTH-12,100' CIRC-6 HRS, RUN CSG-7 1/2
 HRS, LD DP & COLLARS-8 HRS, RU 5 1/2" CSG RAMS & CSG CREW-
 2 1/2 HRS. DC-\$24361 CC-\$885,451
 08/30/84 DAY 69 OPER-RIG DOWN DEPTH-12,104' REL. RIG 2:00 AM 8/30/84
 CIRC-5 HRS, RUN CSG-4 HRS, CMT-1 1/2 HRS, RIG DOWN-9 1/2 HRS
 DC-\$37098 CC-\$922,555
 CSG REPORT- 1 JT 17# S-95 LT&C 35.04'
 1-FLOAT COLLAR 1-FLOAT SHOE
 64 JT 17# S-95 LT&C 2500.88'
 1 JT 17# N-80 LT&C 19.13'
 78 JT 17# N-80 LT&C 3276.09'
 58 JT 17# J-55 LT&C 2261.20'
 77 JT 17# N-80 LT&C 3235.51'
 20 JT 17# S-95 LT&C 786.71'
 CSG SET @ 12,104' TOTAL CSG 12114.56'
 CMT REPORT- 330 SXS CLASS "H" W/5# KCL/SX-5% HALID 22-.5%
 CFR-2
 08/31/84 MOVE RIG OUT-WO PU
 09/01/84 WO PU
 09/02/84 WO PU
 09/03/84 WO PU
 09/04/84 WO PU
 09/05/84 WO PULLING UNIT
 09/06/84 WAITING ON PULLING UNIT
 09/07/84 WAITING ON PULLING UNIT
 09/08/84 WO PU

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PROSPECT CAN KEN 4 FED #1
 LOCATION 1980' FNL, 1660' FEL
 - SEC 4, TWP 18S, RNG 31E
 PROJECTED TD 12000
 CONTRACTOR MAC CHASE

09/09/84 WAITING ON PU
 09/10/84 WO PULLING UNIT
 09/11/84 WAITING ON PULLING UNIT
 09/12/84 MI & RU CHASE PULLING UNIT. RD TREE/RU BOP SDFN
 DC-\$1918 CC-\$1918
 09/13/84 MI 393 JTS 2 3/8" N-80 TBG. GIH W/4 3/4" BIT, CSG SCRAPER &
 TBG TO 12,000'. SDFN DC-\$39,175 CC-\$41,093
 09/14/84 CONT. IN HOLE W/TBG. TAG UP ON TD @ 12,060'. RU HUGHES &
 CIRC HOLE W/2% KCL & PKR FLUID. POH W/TBG, BIT & SCRAPER. RU
 GEO-VANN & RUN CBL, CCL, & GR CORRELATION LOGS FROM PBTD-TOC
 PBTD @ 12,047', TOC @ 11,150' SDFN DC-\$2350 CC-\$43,443
 09/15/84 GIH W/GUNS, TBG REL., PAVA, & 5 1/2" LOC-SET PKR, ON-OFF
 TOOL W/181 PROFILE, 2 3/8" TBG. TEST TO 8500#. RU GEO-VANN &
 RUN GAMMA RAY CORRELATION LOG TO POSITION GUNS. SET PKR @
 11,737'. RD BOP/RU TREE & TEST. HOOK UP FLOW LINE SDFN
 DC-\$4790 CC-\$48,233
 09/16/84 DROP BAR/FIRE GUNS @ 8:45 AM. GAS TO SURF. IN 5'. FLOW TEST
 WELL. WELL STAB. ON 1/4" CK W/2000# FLOWING TBG PRESS. PERF
 FROM 11,814'-20', 24 HOLES, 4 SPF. SDFN
 DC-\$12,881 CC-\$61,114
 09/17/84 SDFWE
 09/18/84 SITP 2600#, RU BENNETT & CATHEY. RUN PRESS RADIANT & 4 PT
 TEST. RESULTS TO FOLLOW. SWI & SDFN. DC - \$3510;
 CC - \$64,624.
 09/19/84 RESULTS OF 4 PT TEST:

	PRESS (PSIG)	RATE
ISI TBG PRESSURE	2600 PSIG	
END OF 1ST RATE	2028 PSIG	493 MCF
END OF 2ND RATE	1378 PSIG	637 MCF
NOTE: UNLOADING FLUID		
END OF 3RD RATE	1582 PSIG	906 MCF
END OF 4TH RATE	1336 PSIG	1236 MCF
LAST RATE PERIOD PRESSURE ONLY DECREASED FROM 1355 TO 1336 PSIG. TOTAL FLUID REC 48.25 BBLS (6 BO, 42.25 BW) CAOF 3013 MCFGPD. NOTE: TEST RUN AGAINST 500# BACK PRESS.		
09/20/84	WO PIPELINE CONNECTION. DROPPED FROM REPORT UNTIL FURTHER NOTICE.	
05/17/85	RU CHASE PU. SITP-3000# RU JARRELL WL SERVICE TO SET 1.81" BLANK PLUG IN PROFILE @ 11,737'. POOH W/SLICK LINE & BLEED OFF TBG. PLUG SHOWS TO BE HOLDING OK. SDFN DC-\$4550 CC-\$4550	
05/18/85	SITP-2175#. BLED OFF W/SLIGHT BLOW. RU HUGHES & TEST PLUG TO	

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PROSPECT CAN KEN 4 FED #1
LOCATION 1980' FNL, 1660' FEL
- SEC 4, TWP 18S, RNG 31E
PROJECTED TD 12000
CONTRACTOR MAC CHASE

2000# & DID NOT HOLD. RD HUGHES. RU JARREL SERVICES & RET.
BLANKING PLUG & GO IN W/NEW BLANKING PLUG. HELD OK. SDFN
DC-\$5250 CC-\$9800

05/19/85 SITP-0#. LOAD TBG W/FRESH WTR. POOH W/RETRIEVING TOOL. ND
TREE/NU BOP. POOH W/TBG & RETRIEVING HEAD. GIH W/5 1/2" RBP
& SET @ 11,350'. PULL 3 STANDS & SDFN DC-\$2350 CC-\$12,150

05/20/85 SDF SUNDAY

05/21/85 RU DOWELL & CIRC HOLE FROM 8700' W/10# BRINE & SPOT 100'
SAND ON RBP @ 11,350. RD DOWELL. POOH W/2 3/8" TBG. RU PENG0
& PERF 4 SQUEEZE HOLES @ 8800'. SET RETAINER @ 8720'.
RD PENG0 SDFN DC-\$5970 CC-\$18,120

05/22/85 RIH W/STINGER, SN & 2 3/8" TBG. STING INTO RET @ 8720'. RU
DOWELL & BREAK CIRC ON 8 5/8" CSG. CMT 5 1/2" CSG W/550 SXS
CLASS "H" W/3/4 OF 1% D-60, 5/10% D-65. STING OUT OF RET.
REV OUT 25 SXS CMT. CIRC HOLE W/1% KCL. PULL 10 STANDS SDFN
DC-\$3194 CC-\$21,314

05/23/85 RU BENNET & CATHEY & RUN TEMP SURVEY, CMT @ 5700'. RD
BENNET & CATHEY. POH W/2 3/8" TBG & STINGER. GIH W/BIT,
COLLARS & 2 3/8" TBG. DRILL ON RETAINER @ 8722'. DRILL OUT
RETAINER & CIRC HOLE CLEAN. SDFN. DC - \$12,750;
CC - \$66,123.

05/24/85 RU COMPLETION RENTALS & CONT DRLG OUT CMT @ 8730'. DRLD OUT
CMT TO 8840'. TEST PERFS TO 1500#, HELD O.K. CLEAN OUT TO
11367'. POH W/BIT, COLLARS & TBG. RIH W/5 1/2" SCRAPER & 2
3/8" TBG. MAKE SCRAPER RUN. SOH W/SCRAPER & TBG. SDFN.
DC - \$2454; CC - \$68,577.

05/25/85 FIN POOH W/5 1/2" SCRAPER & 2 3/8" TBG. RU PENG0 & RUN CBL
9000-5300'. TOC @ 5800'. RIH W/RET HD, 2 3/8" TBG SDFN
DC-\$5450 CC-\$74,027

05/26/85 SDF WEEK END

05/27/85 SDF WEEK-END

05/28/85 FIN RIH W/RET HD & 2 3/8" TBG. RU HUGHES. CIRC SAND OFF BP @
11,350'. LAY DN 101 JTS 2 3/8" TBG. SET BP @ 8600' SDFN
DC-\$2300 CC-\$76,327

05/29/85 RU PENG0 & PERF 1 JSPF @ 8391,81,71,40,31,07,8280,64,41,32,
8192,80 & 65. RD PENG0. GIH W/5 1/2 PKR & RBP. SET RBP @
8612 & TEST TO 2500#-HELD OK. PULL PKR TO 8390' & RU HUGHES.
SPOT 250 GAL 7 1/2% SRA. PULL PKR & SET @ 8111'. BREAK DN
PERFS @ 1/4 BPM @ 2800#. PUT ACID AWAY @ 3.5 BPM @ 3700#.
ACIDIZE W/3500 GALS SAME ACID & 26 BALL SEALERS. MAX RATE-
3.5 BPM,AVG-3, FINAL-3. MAX PRESS-5500# ON BALL OUT. AVG-
3300#, FINAL-3300#. ISIP-2000#, 5"2000#. TLTR-121 BBLs. RD

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PROSPECT CAN KEN 4 FED #1
LOCATION 1980' FNL, 1660' FEL
- SEC 4, TWP 18S, RNG 31E
PROJECTED TD 12000
CONTRACTOR MAC CHASE

HUGHES, RU SWAB. IFL-SURF FFL-8111'. MADE 14 RUNS & REC 60
BBLs SI SDFN DC-\$8750 CC-\$85,077
05/30/85 SITP-25# W/FAIR GAS. IFL-5800'. MADE 1 SWAB RUN. RUN REC 4
BBLs FLUID W/10% OIL. POOH W/PKR & TBG. ND BOP/NU FRAC
HEAD & RU WESTERN & FRAC PERFS 8165-8391' W/80,000 WF 80
& 25% CO2 W/200,000# 20-40 SAND. MAX PRESS-4600#, AVG-4500#,
FINAL-4600. MAX RATE 47 1/2 BPM, AVG-44 W/46 AS FINAL. ISIP-
3000, 15"-2800 TLTR-2241 BBLs. RD WESTERN. SI 2 HRS. OPEN ON
1/2" CK @ 2150' FLOW WELL ALL NIGHT. DC-\$107,250 CC-\$192,327
7 AM REPORT CUTTING 25% OIL. WELL STILL FLOWING W/100# ON 1"
CHOKE.
05/31/85 FLOW WELL TO TANK 2 HRS & DIED. AVG FTP-20#. MADE 80 BBLs
(17-BO & 63-BW) ND FRAC FLANGE/NU BOP. RIH W/RET HD & 2 3/8"
TBG TO 8580'. RU HUGHES, CIRC 30' SAND OFF BP. WELL KICKED
OFF FLOWING. LEFT WELL FLOWING TO TANK. SDFN
DC-\$2800 CC-\$195,127
06/01/85 GIH W/5 1/2" LOK-SET PKR & MOD "R" PKR. SET RBP @ 8600'. SET
PKR @ 8125'. ND BOP/NU TREE. RU SWAB IFL-100' FFL-1300' &
WELL KICKED OFF FLOWING AFTER 12 RUNS. FTP-30-40# ON 30/64"
CK. REC 50 BBLs FLUID PRIOR TO FLOWING. LEFT WELL FLOWING TO
TANKS-MADE 30% OIL CUT. DC-\$2300 CC-\$197,427
06/02/85 0# ON TBG. WELL DIED. MADE 1 RUN W/SWAB @ 7:30 AM & WELL
KICKED OFF FLOWING MAKING 80% OIL. FLOWED TO 2:00 PM ON
48/64" CK ON 40# FTP. MADE 88 BBLs FLUID (71-BO & 17-BW)
PINCH CK TO 24/64" CK. FTP INCREASED TO 60#. MADE 32 BBLs IN
2 HRS. LEFT WELL FLOWING TO TANK. TURN OVER TO PUMPER.
DC-\$1550 CC-\$198,977
06/03/85 178-BO 96-BW IN 24 HRS
06/04/85 50#-FTP 24/64" CK. 12 HRS TEST=79-BO 63-BW
DC-\$1650 CC-\$200,627
06/05/85 RD & REL PU DC-\$208 CC-\$200,835
06/06/85 117-BO 10-BW 60#-FTP IN 24 HRS
06/07/85 60#-FTP 221-BO 4-BW
06/08/85 60# 131-BO 0-BW 25/64" CK
06/09/85 60# 94-BO 0-BW 25/64" CK
06/10/85 40# 147-BO 11-BW 32/64" CK
06/11/85 70#-TP 20/64" CK 124-BO 6-BW
06/12/85 60# 77-BO 3-BW
06/13/85 RU MASTER WELL SERVICE. KILL WELL/50 BBLs KCL. ND TREE.
UNSET PKR & PULL TBG. LAY DN MOD "R" PKR. RUN SN & 12 JTS
TBG, TBG ANCHOR & 8125' TBG. (8476' TOTAL TBG) ANCHOR SET @
8125'. PU 1 1/2" X 2 3/8" X 24' PUMP & START RUNNING RODS.

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PROSPECT CAN KEN 4 FED #1
 LOCATION 1980' FNL, 1660' FEL
 - SEC 4, TWP 18S, RNG 31E
 PROJECTED TD 12000
 CONTRACTOR MAC CHASE

06/14/85 FINISH GIH W/PUMP & RODS. 138-7/8" RODS & 200-3/4" RODS, 3-2
 FOOT PONIES. PUMP @ 8509', ANCHOR @ 8125'. PUT WELL ON
 PRODUCTION & TURN WELL OVER TO PUMPER. DC-\$900

06/15/85 173-BO 61-BW 8-SPM

06/16/85 138-BO 67-BW

06/17/85 216-BO 25-BW

06/18/85 156-BO 24-BW

06/19/85 130-BO 14-BW

06/20/85 DROPPED FROM REPORT UNTIL FURTHER NOTICE

07/11/85 101-BO 19-BW.

12/22/85 RU MAC CHASE WS. FISH PARTED RODS @ 225'. REPLACE BAD ROD.
 PUT BACK ON PROD. DC-\$800 CC-\$800

05/02/86 MI & RU CHASE PU. POH W/ RODS & PUMP. ND WH. NU BOP.
 RU PENG0 & PERF FROM 7592-98' 2 JSPF 13 HOLES
 RD PENG0 RIH W/ RETRE. HEAD, 5 1/2" MOD. "R", SN & 2 3/8
 TBG.
 SDFN DC-\$3015

05/03/86 CON'T IN HOLE TO 8593. R.U. HUGHES & CIRC. 4' FILL OFF RBP.
 PULL RBP TO 7700' COULD NOT GET OFF BRIDGE PLUG. POOH W/
 PKR & PLUG. GIH W/ LOC-SET BRIDGE PLUG W/ K-CONNECTOR &
 MODEL 'R' PKR. SET RBP @ 7700 & TEST (2500#/5 MIN-HELD OK)
 CIRC. HOLE W/1% KCL & PARIFFIN SOLVENT. SPOT 250 GAL 15%
 SRA ACROSS NEW PERFS @ 7592-98 PULL PKR TO 7489 & BREAKDOWN
 NEW PERFS BROKE @ 1500# PUT ACID AWAY 2 BPM @ 2300#
 ACIDIZE W/ 2750 GAL 15% & 26 BALL SEALERS.
 MX RATE- 3.75 BPM AV-2 BPM FINAL-3.75
 MX PRESS 3600# AV-2200# FINAL-3250#
 (GOOD BALL ACTION) ISIP-1700
 5 MIN-1600 SI & SDFN
 DC-6285 CC-9300

05/04/86 SITP-0 IFL-SURFACE. MADE 4 RUNS & COULD NOT GET SWAB BELOW
 2500. WORK W/ KNIFE TO CUT PARIFFIN. COULD NOT GET BELOW
 2500' R.U. PUMP TRUCK & CIRC. HOLE R.U. TO SWAB. COULD
 NOT GET SWAB BELOW 2200' PUMPED 25 BBLs HOT OIL DOWN TBG.
 SDFN DC-1800 11,100

05/05/86 R.U. HOT OILER & CIRC. HOLE.PUMP 45 BBLs HOT OIL DOWN TBG.
 R.U. TO SWAB.
 IFL-SURFACE FFL-6600' REC-65 BBLs 6-700' FLUID ENTRY/HR
 (5% OIL) LEAVE WELL OPEN TO TANKS. SDFN DC:1525
 CC-12,625

05/06/86 IFL-4300' FFL-7400'
 MADE 8 RUNS. REC 26 BBLs. CUTTING 3% OIL.. LAST RUN 35%

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PROSPECT CAN KEN 4 FED #1
LOCATION 1980' FNL, 1660' FEL
- SEC 4, TWP 18S, RNG 31E
PROJECTED TD 12000
CONTRACTOR MAC CHASE

OIL W/ GOOD GAS. SDF 2 HRS BETWEEN RUNS W/ 500' ENTRY
BETWEEN RUNS. SDFN DC: 1600 CC-14,225

05/07/86 IFL-5000' MADE 2 RUNS & SWABBED DRY. REC 5 BBLs, 90% OIL.
IFL SN. RD SWAB RU HUGHES. ACIDIZE PERFS W/ 4000 GALS
15% SRA W/26 RCN BALL SEALERS.

MAX PRESSURE 5500#

AVE 2900#

FINAL 3100#

MAX RATE 4 BPM

AVE 3.5 BPM

FINAL 4 BPM

ISIP 1500# 5 MIN 450#

TOTAL LOAD 176 BBLs TO REC. RD HUGHES RU SWAB.

IFL SURFACE FINAL 7480'

MADE 18 RUNS REC 84 BBLs 40% OIL W/ GOOD GAS LEFT WELL
OPEN TO TANK. SDFN DC-\$4715 CC-\$7730

05/08/86 IFL 2600', MADE 1 RUN, WELL FLOWED FOR 20", REC 15 BF (90%
OIL CUT). RD SWB & RU HUGHES. UNLOAD TBG & UNSET MOD "R"
PKR, RUN TBG TO 7700', CIRC BALL SEALERS OFF BP, RELEASE BP
& MOVE TO 8600' & SET. POH W/PKR & TBG, RIH W/RET HEAD, SN
& 32 JTS 2 3/8" TBG, 5 1/2" ANCHOR & 240 JTS 2 3/8" TBG.
SN SET @ 8474', ANCHOR @ 7480'. ND BOP & NU WH. SDFN.
DC - \$2450; CC - \$10,180.

NOTE: RBP-5 1/2" LOK SET.

05/09/86 RIH W/ 2" X 1 1/2" X 24' PMP 1-2' X 3/4" PONY ON TOP OF PMP.
205 3/4" RODS 132-7/8 1-2' X 7/8 PONY RODS.. HANG WELL ON
PROD.. & RD CHASE UNIT SDFN. DC-1650

05/13/86 5-10-86: 160 BO, 6 BW

5-11-86: 43 BO, 84 BW

5-12-86: 38 BO, 18 BW

05/14/86 44-OIL

12-WTR

05/15/86 68-OIL 12-WTR

05/21/86 44-OIL

12-WTR

05/22/86 45-BO

6-BW

05/23/86 50-BO

3 -BW

05/28/86 44-BO 3-BW

05/29/86 38-BO 3-BW

05/30/86 43-OIL 6-WTR

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PROSPECT CAN KEN 4 FED #1
LOCATION 1980' FNL, 1660' FEL
- SEC 4, TWP 18S, RNG 31E
PROJECTED TD 12000
CONTRACTOR MAC CHASE

06/02/86	5-31-86	47-OIL	9-WTR
	6-01-86	36-OIL	9-WTR
	39-OIL	0-WTR	
06/03/86	41-BO	8-BW	
06/04/86	65-BO	6-BW	
	65-BO	6-BW	
	65-BO	6-BW	
	65-BO	6-BW	
06/05/86	72-BO	3-BW	DROPPED FROM REPORT
	72-BO	3-BW	DROPPED FROM REPORT
	72-BO	3-BW	DROPPED FROM REPORT
	72-BO	3-BW	DROPPED FROM REPORT

FILE Mesquite 3 Federal #1

Und.

COUNTRY: Eddy

STATE: New Mexico

LEASE: ID/LOC: Sec 3, T-18S, R-31E

OPERATOR: HEYCO

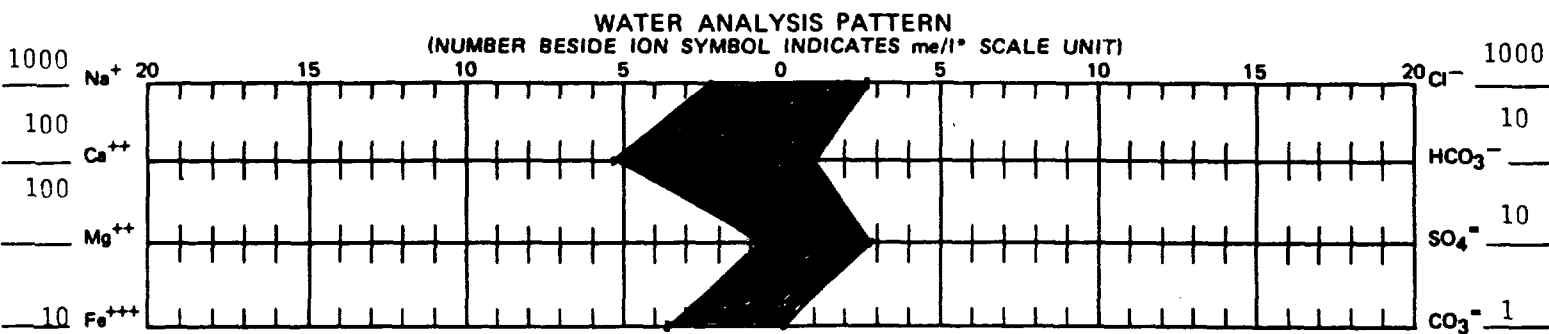
RESERVOIR: Bone Springs (2nd Sand)

PERFS:

DATE COMPLETED:

MONTH	ALLOW.	OIL/COND. - SOLS.			GAS - MCP			WATER - SOLS.			O.O.R.			PRESSURE			INTERESTS
		DAILY	MONTHLY	CUMULATIVE	DAILY	MONTHLY	CUMULATIVE	DAILY	MONTHLY	CUMULATIVE	%	B.P.M.	PP.	STP.	IMP.	Days	REMARKS
JAN.																	
FEB.																	
MAR.																	
APR.																	
MAY																	
JUN.																	
JUL.																	
AUG.																	
SEP.																	
OCT.																	
NOV.																	
DEC.																	
JAN.	1209	5.1	153	1435	180	331	7130	—	1176	30							
FEB.	1092	5.4	141	1376	210	541	832	7962	85.5	1489	26						
MAR.	1209	4.7	147	1723	339	880	914	8876	86.1	2306	31						
APR.	1170	4.0	146	1739	36	916	1016	9002	84.7	3250	4						
MAY	0	0	0	1739	0	916	0	9002	0	0	0						
JUN.	0	0	0	1739	0	916	0	9002	0	0	0						
JUL.	0	0	0	1739	0	916	0	9002	0	0	0						
AUG.	0	0	0	1739	0	916	0	9002	0	0	0						
SEP.	0	0	0	1739	0	916	0	9002	0	0	0						
OCT.	589	0	0	1739	0	916	0	9002	0	0	0						
NOV.																	
DEC.																	
JAN.																	
FEB.																	
MAR.																	
APR.																	
MAY																	
JUN.																	
JUL.																	
AUG.																	
SEP.																	
OCT.																	
NOV.																	
DEC.																	

COMPANY HEYCO				ANALYSIS NUMBER 1094	
COMPANY ADDRESS				DATE 8-19-85	
FIELD			COUNTY OR PARISH LEA		STATE NM
LEASE OR UNIT MESQUITE		WELL(S) NAME OR NO. 3-1		WATER SOURCE (FORMATION)	
DEPTH, FT.	BHT. OF	SAMPLE SOURCE WELLHEAD	TEMP. OF	WATER, BBL/DAY	OIL, BBL/DAY
DATE SAMPLED 8-19-85		TYPE OF WATER ☒ PRODUCED ☐ SUPPLY ☐ WATERFLOOD ☐ SALT WATER DISPOSAL			


DISSOLVED SOLIDS

CATIONS	me/l*	mg/l*
Total Hardness	600	
Calcium, Ca ⁺⁺	520	10400
Magnesium, Mg ⁺⁺	80	976
Iron (Total) Fe ⁺⁺⁺	36.6	680
Barium, Ba ⁺⁺	---	---
Sodium, Na ⁺ (calc.)	2162.2	49731

DISSOLVED GASES

Hydrogen Sulfide, H ₂ S	500 mg/l*
Carbon Dioxide, CO ₂	277.2 mg/l*
Oxygen, O ₂	0.4 mg/l*

PHYSICAL PROPERTIES

pH	5.95
Specific Gravity	1.120
Total Dissolved Solids (calc.)	161117 mg/l*
Stability Index @ 20 °C	+0.25
CaSO ₄ Solubility @ 20 °C	23.9 me/l*
Max. CaSO ₄ Possible (calc.)	29.2 me/l*
Max. CaSO ₄ Possible (calc.)	me/l*

ANIONS	me/l*	mg/l*
Chloride, Cl ⁻	2761	98000
Sulfate, SO ₄ ⁼	29.2	1400
Carbonate, CO ₃ ⁼	-0-	-0-
Bicarbonate, HCO ₃ ⁻	10	610
Hydroxyl, OH ⁻	-0-	-0-
Sulfide, S ⁼	1.6	25

Residual Hydrocarbons _____ ppm(Vol/Vol)

TOTAL SOLIDS (QUANTITATIVE)
161822
REMARKS AND RECOMMENDATIONS:

 AT 20°C SLIGHTLY CORROSIVE AND, ALSO SLIGHT CARBONATE SCALING
 AT 20°C CALCIUM SULFATE SCALING IS LIKELY

*NOTE: me/l and mg/l are commonly used interchangeably for epm and ppm respectively. Where epm and ppm are used, corrections should be made for specific gravity.

BAKER OIL TREATING REPRESENTATIVE JR. FORT COCKRUM		ADDRESS		TELEPHONE	
ANALYZED BY: BOB WALLACE		DATE 8-19-85	DISTRIBUTION		RES:

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PROSPECT
LOCATIONMESQUITE "3" #1
660' FNL & 660' FWL, SEC. 3,
T-18S, R-31E, EDDY CO, NM
08800PROJECTED TD
CONTRACTOR

MACK CHASE PULLING UNIT

08/17/83 MI & RU COMP UNIT. CLEAN OUT CELLAR & REMOVE DRY HOLE
MARKER. DRILL OUT SURF PLUG W/RAT HOLE MACHINE. WELL ON
13-3/8" STARTING HEAD. GIH W/12-1/4" BIT, 1-8" DRILL COLLAR
6-4-3/4" DRILL COLLARS ON 2-7/8" TBG. TAG CMT @ 231'. SDFN
DC - \$4976; CC - \$4976.

08/18/83 RU STAR TOOL REV UNIT. START DRLG WOOD @ 231'. DRILLED &
PUSHED WOOD TO CMT PLUG @ 786'. DRILLED WOOD & CMT TO 828'.
DRILL & CLEAN OUT TO 1100'. PULL BIT & COLLARS INTO CSG.
SDFN. DC - \$7199; CC - \$12,175.

08/19/83 CONT DRLG. DRILL CMT PLUG FROM 2110' TO 2120'. TAG 9-5/8"
CSG STUB @ 2155', CIRC HOLE CLEAN. POH. SDFN. DC - \$2750;
CC - \$14,925.

08/20/83 GIH W/8-3/4" BIT ON 6 4-3/4" DRILL COLLARS & 2-7/8" TBG, WORK
IN & OUT OF CSG. POH, GIH W/ 8-3/4" BIT, STABILIZER, BLADED
MILL ON DRILL COLLARS & 2-7/8" TBG. DRILL 6-1/2", POH, SDFN
DC - \$3987; CC - \$23,465.

08/21/83 SD FOR WEEKEND.

08/22/83 SD FOR SUNDAY.

08/23/83 GIH W/8-3/4" BIT, 8-3/4" STABILIZER, 12-1/4" MILL ON DRILL
COLLARS & 2-7/8" TBG. MILL 17". POH, SDFN. DC - \$5102;
CC - \$28,567.

08/24/83 GIH W/CUT LIP SHOE & DRESS OFF MILL ON 4-1/2" DC'S & 2-7/8"
TBG. COULD NOT GET OVER STUB. POH & SDFN. DC - \$3747;
CC - \$32,314.

08/25/83 SD FOR EVALUATION OF 8 5/8" TIE END. CC - \$32,314.

08/26/83 GIH W/ 8 3/4" BIT, 8 3/4" STAB, & SHORT DC. DRESS MILL WITH
FLAT BOTTOM SKIRT ON 4 1/2" DC & 2 7/8" TBG. MILL 2 1/2' OF
CSG. POH & SDFN.

08/27/83 FIN GIH W/8 3/4" BIT, DID NOT GET THRU CSG PATCH, POH. GIH
W/8 3/4" TAPER MILL, MILL THRU CSG PATCH TO 2162'. CONT IN
HOLE, COULD NOT GET PAST 2192'. SOH. SDFN. DC - \$2,628;
CC - \$71,415.

08/28/83 SD FOR WEEKEND.

08/29/83 SD FOR WEEKEND.

08/30/83 FIN POH W/MILL, GIH W/GLOBE BASKET ON COLLARS & 2 7/8" TBG.
CLEAN OUT TO 2270' & BASKET PLUGGED OFF. POH, REC LARGE
PIECE OF CSG. SDFN. DC - \$3,189. CC - \$74,604.

08/31/83 GIH GLOBE BASKET W/COLLAR & 2 7/8 TBG. CLEAN 100' W/ GLOBE
BASKET. POH. REC. IRON IN CEMENT. GIH W/ GLOBE BASKET TO
4900'. CORE OUT. POH W/ REC. IRON. SDFN. DC-\$3698
CC-&78,302.

09/01/83 GIH W/8 3/4" BIT ON COLLARS & 2 7/8" TBG. CLEAN OUT TO

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PROSPECT
LOCATIONMESQUITE "3" #1
660' FNL & 660' FWL, SEC. 3,
T-18S, R-31E, EDDY CO, NM
08800PROJECTED TD
CONTRACTOR

MACK CHASE PULLING UNIT

4538'. TAG JUNK ON TOP OF PLUG. POH. GIH W/GLOBE BASKET.
SDFN. DC - \$2776; CC - \$80,928.09/02/83 MILL OVER JUNK W/GLOBE BASKET. POH, NO REC. GIH W/NEW GLOBE
BASKET, MILL 2', POH. NO REC, HANGERS IN GLOBE BASKET GONE.
DC - \$4,614; CC - \$85,542.09/03/83 GIH W/FLAT BTM MILL, MILL 8' & POH. STRT IN HOLE W/8 3/4"
BIT. SDFN. DC - \$3866; CC - \$89,408.

09/04/83 SD FOR WEEKEND.

09/05/83 SD FOR SUNDAY.

09/06/83 SD FOR HOLIDAY.

09/07/83 FIN GIH W/8 3/4" BIT, FINISH DRLG JUNK ON TOP OF CMT. CONT
DRLG CMT TO 4670', PULL BIT ABOVE CSG PATCH. SDFN.
DC - \$3,307; CC - \$92,715.09/08/83 GIH W/8 3/4" BIT, START DRLG TO 4870'. DRLG OUT CMT @ 4906'
TAG PLUG @ 4966'. DRL TO CSG STUB @ 4986'. POH, SDFN.
DC - \$3495; CC - \$96,210.09/09/83 GIH W/4 5/8" BIT ON 6-4 1/2" DC & 2 7/8" TBG. WORK IN &
OUT OF CSG STUB @ 4986'. TAG CMT @ 4998', DRL TO 5036' &
POH. GIH W/STAB DRESS OFF MILL TO 2160'. SDFN. DC - \$3242
CC - \$99,452.09/10/83 FIN GIH W/DRESS OFF MILL, MILL 18" CSG. POH, REPLACE PLAIN
GUIDE SHOE W/KEYSTOCK GUIDE SHOE. GIH & ROTATE OVER STUD.
POH & SDFN. DC - \$5727; CC - \$105,179.09/11/83 RU CSG CREW, RUN BOWEN LEAD SEAL CSG PATCH ON 124 JTS OF
5 1/2", 5.5#, J-55 CSG, COULD NOT BOWL OVER CSG STUB. SDFN.
DC - \$5812; CC - \$110,991.

09/12/83 AS FOR SUNDAY.

09/13/83 FIN POH W/CSG & PATCH. PATCH SHOWED CSG TO BE MILLED @
5 7/8". GIH W/STAB DRESS OFF MILL TO BTM OF 9 5/8" CSG.
SDFN. DC - \$7991; CC - \$118,982.09/14/83 FIN GIH W/STAB MILL, MILL 1' CSG, POH. LEFT BIT & STAB IN
HOLE. RU CSG CREW. RIH W/CSG PATCH, 124 JTS 5 1/2" 15.5#,
J-55, SET SLIPS. SDFN. DC - \$33,695; CC - \$152,677.09/15/83 GIH W/BIT SUB ON 2 7/8" TBG, SCREW INTO BIT & REAM ASSEMBLY
& 5036'. DRL OUT TO 5230'. STRT LOSING RETURNS @ 5140',
PRESS INDICATED ON BACK SIDE OF 5 1/2" CSG, POH & SDFN.
DC - \$2997; CC - \$155,674.09/16/83 GIH W/BAKER MOD RDG PKR ON 2 7/8" TBG. SET PKR @ 5025'.
PUMP DWN BACKSIDE OF 2 7/8" TBG, CIRC UP BACKSIDE OF 5 1/2"
CSG. PULL PKR TO 4960' & SET. PUMP DOWN BACKSIDE, HELD
PRESS, CSG PATCH LEAKING ON 5 1/2" , PULL PKR TO 4000' & SET
RU WESTERN, PUMP 100 SXS CL "C" .2 CF-9, 2.TF4, DISPLACE TO

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PROSPECT MESQUITE "3" #1
LOCATION 660' FNL & 660' FWL, SEC. 3,
T-18S, R-31E, EDDY CO, NM
PROJECTED TD 08800
CONTRACTOR MACK CHASE PULLING UNIT

4900'. SI & SDFN. DC - \$3652; CC - \$159,326.

09/17/83 SITP SLIGHT VAC, UNSEAT PKR & POH. GIH W/4 5/8" BIT, CSG
SCRAPER & 2 7/8" TBG. TAG CMT @ 4760'. DRL CMT TO 4992'.
CONT IN HOLE TO 8764'. CIRC CLEAN W/FRESH WATER. SDFN.
DC - \$48,857; CC - \$208,183.

09/18/83 POH & LD DC & BIT. RU GEO SOURCE. RUN CBL-GR & COLLAR LOG
8750' - 4650', CMT FROM APPRX 8750 TO 7130 & 5140 TO 4650.
PERF @ 8610' TO 8630' W/2 JSPF. RD GEO SOURCE, SIH W/BKR
MOD "R" DG PKR & 2 7/8" TBG. SDFN. DC - \$7135;
CC - \$215,318.

09/19/83 SD FOR SUNDAY.

09/20/83 FIN GIH W/PKR TO 8615'. RU WESTERN TO SPOT 250 GALS 15%
SPEARHEAD ACID. PULL PKR TO 8547 & SET. BRK DWN PERFS @
8610'-8630'. WELL BRK DWN @ 3500#. PUT ACID AWAY, OPEN BY-
PASS & PUMP REMAINING 3000 GALS OF ACID W/80 BS. CLOSE BY-
PASS, PUT ACID AWAY. NO BALL ACTION. MAX PRESS 4800# @ 1.5
BPM, FLUSH W/FRESH WTR. ISIP 4500#, 5" 3900#, 10" 3700#.
RD WESTERN, RU TO REC 132 BL. IFL @ SURF, FFL 6700'. REC
51 BBLS, 81 BBLS TO REC. SDFN. DC - \$5797; CC - \$22,115.

09/21/83 SITP 0, RU TO SWB. IFL 4200', FFL 7000', REC 44 BBLS WTR.
WTR ANALYSIS:

RES	.065 @ 72 DEG	SO4	175
SP GR	1.130	HCO3	427
PH	6	CL	106,000
CA	2600	NA CL	174,000
MG	700		

DC - \$1586; CC - \$222,701.

09/22/83 SITP 0. RU TO SWB. IFL 5000', FFL 6500'. MADE 4 RUNS,
REC 12 BBLS. REC 150' OF OIL ON FIRST RUN. RD SWB, RU
WESTERN & ACID W/5000 GALS 28% MSR-100 & 80 BS. MIN RATE
2 BPM @ 4000#, AVG RATE 4 BPM @ 5800#. BALLED OFF TO 7000#.
FLUSH W/100 BBLS FRESH WTR. ISIP 5300#, 5" 4800#, 10" 4600#
RD WESTERN. RU TO REC 219 BBLS LD, FLWD WELL TO TANK. REC
50 BBLS, WELL DIED. RU TO SWB. IFL SURF, FFL 3500'. REC 42
BBLS, 123 BBLS LEFT TO REC. SDFN. DC - \$12,753; CC -
\$235,454.

09/23/83 LEFT WELL OPEN OVER NIGHT, NO FLUID REC. RU TO SWB, IFL
3500', MADE 23 SWB RUNS. REC 79 BBLS WTR, 16 BBLS OIL.
SMALL AMT OF GAS. FFL 7000' & SCATTERED. SDFN. DC \$1423;
CC - \$236,877.

09/24/83 SITP 10#, RU TO SWAB, IFL 6000', REC 67 BBLS H2O & 4 BBLS OF
OIL, FFL 7000' (23 BBLS OVER LOAD). ALL OIL REC ON FIRST

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PROSPECT
LOCATIONMESQUITE "3" #1
660' FNL & 660' FWL, SEC. 3,
T-18S, R-31E, EDDY CO, NMPROJECTED TD
CONTRACTOR08800
MACK CHASE PULLING UNIT

RUN. DC - \$1713; CC - \$238,590.

09/25/83 SITP 25#, RU TO SWAB, IFL 6800', REC 50 BBLS H2O & 4 BBLS OF
OIL, FFL 7200' (73 BBLS OVER LOAD). ALL OIL REC ON FIRST
RUN. DC - \$1368; CC - \$239,958. WTR ANALYSIS:

SP GR	1.055 @ 75 DEG	S04	2000
PH	6.5	HCO3	915
FE	FAIR TO STRONG	CL	46000
CA	2960	NACL	75670
MG	802	RW	0.101 @ 75 DEG

09/26/83 SD FOR SUNDAY.

09/27/83 MI & RU MACK CHASE. SITP 100#, CP 200#. RU BOP. UNSET
5 1/2" MOD "R" PKR. POH W/2 7/8" TBG, SN & 5 1/2" MOD "R"
PKR. RU GEOSOURCE TO SET CIBP @ 8590'. COULD NOT GET PLUG
PAST 7000'. PULL BACK OUT OF HOLE W/PLUG. RIH W/4.62 GAUGE
RING & JUMP BASKET. COULD NOT GET PAST 7000'. RD GEOSOURCE
START IN HOLE W/4 5/8" BIT, 5 1/2" CSG SCRAPER & 2 7/8" TBG.
SDFN. DC - \$ 1950; CC - \$241,908.

09/28/83 FIN GIH W/TBG & BIT SCRAPER. TAG UP @ 6980'. WORK THROUGH
OBSTRUCTION W/BIT & SCRAPER. COULD NOT GET SMOOTHED OFF.
POH W/BIT, CSG SCRAPER, & TBG. GIH W/HOCO EZ DRILL RETAINER
2 7/8" TBG. WORK RET THRU BAD SPOT @ 7000'. GIH TO 8592'.
SET RET @ 8592'. PULL 2 STDS. RU HUGHES PUMP TRUCK & PRESS
TEST CSG TO 950#, LOST 400# IN 30 MIN. RELEASE PRESSURE &
POH. SDFN. DC - \$3353; CC - \$244,887.

09/29/83 RU GEO SOURCE & GIH W/CMT BAILER ON WIRELINE. COULD NOT GET
BAILER PAST 6995', POH W/BAILER, BAILER DUMP CMT IN HOLE.
GIH W/TBG TO 7000'. REV OUT CMT FROM BAILER & CLEAN UP HOLE
W/FRESH WATER. RUN TBG TO 8590'. RU HALLIBURTON & SPOT 20
SX OF CLASS "H" NEAT, PULL TBG TO 8510' & REV OUT EXCESS CMT
RD HALLIBURTON, POH W/TBG & SDFN. DC - \$5004; CC - \$249,891

09/30/83 SICP 10#, RU GEO SOURCE & PERF 8405'-8410', 8418'-8420',
8468'-8470', 8472'-8478', & 8490'-8495' (1 SPF). RD GEO
SOURCE & GIH W/MODEL "R" DG CHANGE-OVER & 136 STANDS OF
2 7/8" TBG. RU HUGHES & SPOT 250 GAL 15% SRA @ 8496'. PULL
TBG TO 8305', SET PKR, RU TREE. START BREAK DOWN FORMATION
START FEEDING @ 1400 PSI. 1/4 BPM @ 4000 - INCREASE RATE TO
1/2 BPM @ 5000#, ISIP-4900#, 5"-1600#. DC - \$6327;
CC - \$256,218.

10/01/83 SITP 0, SICP 0, RU TO SWAB, IFL SURFACE, REC 50 BBLS & WELL
DRIED UP. WAITED 2 HOURS, FFL 8000', COULD NOT GET ANYMORE
FLUID OUT. RD SWAB, UNSEAT PKR & POH. SDFN. DC - \$1603;
CC - \$257,821.

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PROSPECT MESQUITE "3" #1
 LOCATION 660' FNL & 660' FWL, SEC. 3,
 T-18S, R-31E, EDDY CO, NM
 PROJECTED TD 08800
 CONTRACTOR MACK CHASE PULLING UNIT

10/02/83 SICP 0, RU BO MONK & TEST TBG IN HOLE (7000# - FOUND 2 BAD COLLARS & 1 BAD JT). RUN MODEL "R" DG TO 8350', RD BOP & RU TREE, SET PKR @ 8350', RD BO MONK. RU TO SWAB, IFL - 200', FFL 7000', REC 42 BBLS. SDFN. DC - \$3349; CC - \$261,170.

10/03/83 SD FOR SUNDAY.

10/04/83 SITP 0, RU TO SWB, IFL 6000', FFL 8000', REC 12 BBLS (NO SHOWS) RD SWB. RU WESTERN & HUGHES TO ACIDIZE PERFS @ 8405' TO 8495' W/6000 GAL 20% MSR-100 & 40 BALL SEALERS - FORM BRK FROM 6000# TO 3400#. AVG PRESS 3600 @ 3 1/2 BPM. GOOD BALL ACTION & BALLED OUT TO 6800#. ISIP 2300# & 5" - 2250#. RD WESTERN, RU TO REC LOAD (204 BBLS) BLOW DWN TO PIT. RU TO SWB, IFL - SURFACE, FFL 6800'. REC 100 BBLS (104 BBLS LEFT TO REC). SDFN. DC - \$14,511; CC - \$275,681.

10/05/83 SITP & SICP - 0, RU TO SWB, IFL 3600', REC 5 BBLS (TRACE OF OIL) BALL SEALERS GIVING SWB PROBLEMS. RU I&W, UNSEAT PKR & REV CIRC BALL SEALERS OUT OF HOLE. RD I&W, SET PKR, RU O SWB, IFL 200', FFL 6000', REC 75 BBLS (30 BBLS LEFT TO REC). DC - \$1956; CC - \$277,636.

10/06/83 SITP SLIGHT BLOW, RU TO SWB, IFL 3300' (SMALL AMT OF OIL & GAS). ON FIRST RUN WELL SWB DRY IN 33 BBLS. WAIT 1 HR BETWEEN RUNS. FLUID ENTRY 200-300 FT/HR. SAMPLE SHOW 2-3% OIL CUT. DC - \$1643; CC - \$279,283.

10/07/83 SITP - SLIGHT BLOW, RU TO SWAB, IFL 4600' (FIRST RUN HAD 10% OIL). SWB DRY W/20 BBLS (1-2% OIL) FFL 8000', 100' FLUID/HR SDFN. DC - \$1503; CC - \$280,786. WTR ANALYSIS:

SP GR	1.125	RW	.0560 @ 72 DEG
PH	7	SO4	900
FE	FAIR/GOOD	HCO3	451
HCS	NONE	CL	110000
CA	11000	NA CL	180,950
MG	2916	NA	53,579
NA/K	53,579		

10/08/83 SITP 0#, SICP 0#. RU TO SWB, IFL 4600', WELL SWB DRY, FLUID ENTRY OF 150/HOUR, REC 33 BBLS (2% OIL) FFL 8000'. DC - \$1874; CC - \$282,660. WATER ANALYSIS:

SP GR	1.105	RW	.063 @ 71 DEG
PH	7	SO4	800
FE	FAIR	HCO3	366
CA	9200	CL	96000
MG	2187	NA/CL	157,920
NA/K	48093	NA	48093

10/09/83 SITP LIGHT BLOW, RU TO SWB, IFL 4600', WELL SWB DRY, FLUID

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PROSPECT
LOCATIONMESQUITE "3" #1
660' FNL & 660' FWL, SEC. 3,
T-18S, R-31E, EDDY CO, NM
08800PROJECTED TD
CONTRACTOR

MACK CHASE PULLING UNIT

ENTRY OF 150/HOUR, REC 18 BBLS (2% OIL) FFL 8100'.

DC - \$973; CC - \$283,633. WATER ANALYSIS:

SP GR	1.126	RW	.052 @ 73 DEG
PH	7	S04	850
FE	FAIR	HCO3	342
CA	10800	CL	112000
MG	2430	NA/CL	184240
NA/K	56190	NA	56190

10/10/83 SD FOR SUNDAY.

10/11/83 SITP LIGHT BLOW, RU TO SWB, IFL 2500', SWB WELL DRY, FFL 8000', REC 45 BBLS (2-3% OIL). DC - \$1722; CC - \$285,355.
WATER ANALYSIS:

SP GR	1.10	RW	.08 @ 72 DEG
PH	7.9	HCO3	305
FE	STRONG	CL	92000
CA	3600	NA/CL	151,340

10/12/83 SITP LIGHT BLOW. RU TO SWAB, IFL 4900', SWAB DRY, FFL 7800' (100' - 150' PER HOUR FLUID ENTRY). REC 30 BBLS TOTAL. NO OIL RECOVERED TILL END OF DAY. SWB SHOWED 3%-4% OIL. SDFN. DC - \$1639; CC - \$286,994. WATER ANALYSIS:

RES	.066 @ 72 DEG	CL	108,000
SP GR	1.12	HCO3	305
PH	7	FE	STRONG TO VERY STRONG
CA	6800	NACL	177,660
MG	875		

10/13/83 SITP 0, RU TO SWB, IFL 4700', REC 3 BBLS (1% OIL), RD TREE & RU BOP. UNSEAT PKR & POH. GIH W/HALLIBURTON EZ DRILL RETAINER, STINGER & 2 7/8" TBG. SET RET @ 8305', RU HALLIBURTON & SPOT 40' CMT ON RET, NEW PBD 8265', POH W/TBG RU GEO SOURCE, PERF 4 HOLES @ 7310', POH & RD GEO SOURCE. GIH W/HALLIBURTON RET, STINGER & 2 7/8" TBG. SDFN. DC - \$2736; CC - \$289,733.

10/14/83 FIN GIH W/TBG & RETAINER. SET RETAINER @ 7253', EST INJ RATE 2 BPM @ 500#, PUMP INTO PERFS @ 7310'. RU HOWCO, MIX 25 SX CL "H" W/CFR-2 & FLUID ADDITIVES. PULL OUT RET & REV CLEAN. RD HOWCO & POH. GIH W/4 3/4" BIT, 4 DC'S & 2 7/8" TBG. SDFN & WOC. (REV HOLE CLEAN, REC LG AMT OF OLD DRLG MUD). DC - \$7269; CC - \$297,002.

10/15/83 TAG UP @ 7248', RU CU TO DRILL OUT RET & CMT, NO CMT ON RET & SML AMT UNDER RET, CIRC OUT LOTS OF DRLG MUD. DRILL & CIRC TO 8350', CIRC HOLE CLEAN, RD CU & POH. SDFN. DC - \$3051; CC - \$300,053.

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PROSPECT
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660' FNL & 660' FWL, SEC. 3,
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08800PROJECTED TD
CONTRACTOR

MACK CHASE PULLING UNIT

10/16/83 RU GEO SOURCE & RUN CBL FROM 7400' - 7100', 75% BOND FROM 7310' - 7290', TOC @ 7275'. GIH & PERF @ 7310' - 7320', 7332' - 7336', & 7342' - 7356' (1 SPF). RD GEO SOURCE, GIH W/DG PKR & 2 7/8" TBG, SET PKR @ 7230', RD BOP, RU TREE. RU SWB, IFL 300', MADE 3 RUNS, STRONG VAC ON CSG, PRESS CSG W/ PUMP, FLUID CIRC OUT TBG. SDFN. DC - \$4311; CC - \$304,364.

10/17/83 SD FOR SUNDAY.

10/18/83 SITP 0, RD TREE & RU BOP, UNSEAT PKR & PULL ONE JTS & RESET PKR. PRESS TEST - STILL CIRC. POH. GIH W/HOWCO RET & 116 JTS 2 7/8" TBG. TRIED TO SET RET @ 7232' WOULD NOT SET, POH LOST RET. GIH W/ANOTHER RET & 116 JTS 2 7/8" TBG - SET RET @ 7232' - HELD OK. RU HOWCO & SQUEEZE FROM 7310' UP W/75 SX OF "H" W/.3% CFR-2, 3# SALT & 2% CACL. POH & SDFN. DC - \$6400; CC - \$310,764.

10/19/83 GIH W/4 3/4" BIT, DC & 2 7/8" TBG. RU CU & DRILL CMT STRINGERS FROM 7100' TO 7250'. SDFN. DC - \$ 2835; CC - \$313,599.

10/20/83 GIH TO 7250' RU DRLG EQUIPMENT & START DRLG OUT CMT (CMT OK) FELL OUT OF CMT @ 7318 & CIRC. HOLE CLEAN TO 7370', POH. GIH W/BIT, CSG SCRAPER & 2 7/8" TBG. SD DUE TO WEATHER. DC - \$1982; CC - \$315,581.

10/21/83 FIN GIH W/BIT, SCRAPER, & TBG TO 7375'. POH, SD FOR BAD WEATHER. DC - \$679; CC - \$316,260.

10/22/83 FIN POH W/BIT SCRAPER & TBG. RD COMP RENTAL, RU GEO SOURCE & PERF 7310 - 7320' W/10 SHOTS (1/FT), RD GEO SOURCE. GIH W/MODEL "R" DG PKR & 231 JTS TBG, SET PKR @ 7200', RD BOP RU TREE, RU TO SWB, IFL SURFACE, SWB WELL DRY, REC 42 BBLS (BACK SIDE OK) FFL 7000'. SDFN. DC - \$2638; CC - \$318,898

WATER ANALYSIS:

SP GR	1.12 @ 68 DEG	NA/K	63482
PH	8.4	RW	.068 @ 68 DEG
FE	NONE	S04	130
H2S	STRONG	HCO3	244
CA	600	CL	100,000
MG	413	NACL	164,500

10/23/83 SITP 0, RU TO SWB, IFL 4000', SLIGHT TRACE OF OIL ON 1ST RUN SWB WELL DWN TO 7000', WAIT BETWEEN RUNS, 400 FT/HOUR FLUID ENTRY, REC 21 BBLS (BACK SIDE OK) SDFN. DC - \$951; CC - \$319,849.

10/24/83 SD FOR SUNDAY.

10/25/83 SITP 10#, GOOD GAS (SM AMT) IFL 1400', SWB WELL DWN TO 7000' REC 32 BBLS (SM TRACE OF OIL ON 1ST RUN - GAS W/SWB). RU

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PROSPECT MESQUITE "3" #1
 LOCATION 660' FNL & 660' FWL, SEC. 3,
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 PROJECTED TD 08800
 CONTRACTOR MACK CHASE PULLING UNIT

WESTERN & ACIDIZE W/2500 GAL 20% W/56 BALL SEALERS - FEEDING
 @ 2500 PSI, AVG 4 BPM @ 2500#, BALL ACTION SMALL, 4 BPM @
 3000#, PUT ACID AWAY, ISIP 1950#, 5" 1900, RD WESTERN. RU
 TO REC 112 BBLs LOAD. IFL SURFACE, REC 100 BBLs, FFL 5500',
 12 BBLs LEFT TO REC. DC - \$7433; CC - \$327,282.

10/26/83 SITP 0, RU TO SWB, IFL 900', REC 110 BBLs, FFL 6700'; SMALL
 TRACE OF GAS ON SWB RUNS, TRACE OF OIL ON 1ST RUN.

DC - \$1753; CC - \$329,035. WATER ANALYSIS 10/25/83:

SP GR	1.130 @ 65 DEG	RW	.058 @ 65 DEG
PH	7.0	SO4	2000
FE	FAIR	HCO3	793
H2S	NONE	CL	110,000
CA	5200	NA/CL	180,950
MG	2187	NA	62499
NA/K	62499		

10/27/83 SITP 0, RU TO SWB, IFL 1000', REC 100 BBL (10% WTR) FFL 5700
 GAS ON SWB RUNS ONLY. RD CHASE PU/ DROPPED FROM REPORT
 UNTIL FURTHER NOTICE. DC - \$1663; CC - \$330,968, WATER
 ANALYSIS:

SP GR	1.125	NA/K	68,320
PH	7.5	RW	.062 @ 69 DEG
FE	NONE	SO4	2000
H2S	STRONG TRACE	HCO3	1037
CA	5200	CL	116000
MG	1215	NA/CL	190,820

12/22/84 SITP 0, SICP 0. MI & RU MACK CHASE CU. ND TREE, NU BOP.
 UNSEAT 5-1/2" MODEL "R" PKR. POH & LD 227 JTS 2-7/7" TBG &
 5-1/2" MODEL "R" PKR. ND BOP, NU TREE. RD COMP UNIT. SWI,
 SDFN. DROPPED FROM REPORT UNTIL FURTHER NOTICE. DC - \$2060
 CC - \$2060.

06/06/85 MI & RU CHASE PU. UNLOAD RENTAL EQUIP. ND TREE/NU BOP. RU
 PENG0. RIH W/4.4 GAUGE RING & JUNK BASKET. COULD NOT GET
 PAST 7000'. SDFN DC-\$2365 CC-\$2365

06/07/85 RU PENG0 & RUN 4.34" GAUGE RING & JUNK BASKET. UNABLE TO GO
 BELOW 7320'. POOH W/GAUGE RING & JUNK BASKET. GIH W/CSG
 INSPECTION TOOL. LOG FROM 7300-4750'. FOUND 1' CSG PART @
 7000' & HOLE @ 5030'. RD PENG0 & SDFN DC-\$4650 CC-\$7015

06/08/85 GIH W/HOWCO CMT RET ON 2 3/8" TBG. SET @ 7270'. RU DOWELL &
 SQUEEZE W/300 SXS CLASS "H" W/TIC & FLUID LOSS. PRESS UP
 BACKSIDE W/500#. FORMATION TOOK CMT @ 1100# & BLEED OFF TO
 700#. DISPLACE CMT & PRESS INCREASE TO 2100#. BLEED OFF TO
 700# IN 5". PRESS INCREASED TO 2600#. SI FOR 5" & PRESS

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08800PROJECTED TD
CONTRACTOR

MACK CHASE PULLING UNIT

DROPPED TO 1050#. PRESS UP TO 2600#. SD PRESS DROPPED TO 2200# & HELD FOR 5". STING OUT OF RET. PUMPED 230 SXS INTO FORMATION. REVERSE OUT 70 SXS. LOST 1/2 OF RETURNS WHILE REV CMT OUT OF TBG. EST LOST OF FLUID INTO PARTED CSG @ 7000' @ 60 BBLs. PRESS REQUIRED TO REV CMT. 1450-1500#. POOH W/TBG & STINGER. RD DOWELL. GIH W/5 1/2" MOD "R" TO 1000' SI SDFN DC-\$8224 CC-\$15,239

06/09/85 SDF WEEK END

06/10/85 SDF WEEK-END

06/11/85 FIN GIH W/5 1/2"MOD "R" PKR TO 6950'. RU HOWCO & SPOT 250 GAL 3% ACID & 250 GALS MUD FLUSH. PULL PKR & SET @ 6400'. PUT 7 BBLs AWAY AND COMMUNICATED INTO 5 1/2" CSG ON BACKSIDE PULL PKR TO 5200' & TEST CSG. WOULD NOT HOLD. PULL PKR TO 5020' & PRESSURE UP TO 1000#-HELD OK. POOH W/TBG & PKR. GIH W/5 1/2" CSG ALIGNMENT TOOL, SN & 2 3/8" TBG. SET RETAINER @ 6990' SDFN DC-\$2950 CC-\$18,189

06/12/85 RU HOWCO & EST RATE @ 2 BPM @ 700# THRU RETAINER. PUMP 350 SXS CLASS "H" CMT TO CSG ALIGNMENT TOOL @ 7000' PARTED CSG. STING OUT OF RETAINER & REVERSE HOLE CLEAN. POOH W/STINGER & TBG SDFN DC-\$4250 CC-\$22,439

06/13/85 RIH W/2 3/8" TBG OPEN ENDED. TAG UP ON CMT @ 5030'. RU HALLIBURTON & SPOT 200' CMT PLUG 5030-4830'. PULL TBG TO 3800' & REV CLEAN. PUT CMT AWAY 1/4 BPM @ 800#. PRESS UP CSG TO 1000#. SI FOR 4 HRS. PRESS UP CSG TO 1000# AGAIN. SDFN DC-\$1850 CC-\$24,289

06/14/85 RUN 2 3/8" TBG TO 5045'. DID NOT TAG CMT. RU HALLIBURTON & SPOT 100' CMT PLUG 5045-4945'. REV TBG CLEAN. PRESS CSG TO 1000#. SI FOR 4 HRS. POOH W/2 3/8" TBG. START IN HOLE W/4 3/4" BIT, 6-DC'S & 2 3/8" TBG. SDFN DC-\$11,000 CC-\$35,289

06/15/85 FINISH RIH W/4 3/4" BIT, 6-DC'S & 2 3/8" TBG. TAG UP ON CMT @ 5015'. DRILLED 10' CMT & BIT FELL THRU. CLEAN OUT TO 5100' PULL UP TO 5000' & TEST SQUEEZE. SQUEEZE STARTED TAKING FLUID 1/4 BPM @ 900#. RAN BIT TO 5025', COULD NOT GET PAST 5025'. POOH W/BIT & TBG(LOST 2 CONES OFF BIT). RIH W/4 5/8" IMPRESSION BLOCK. SHOW CSG PARTED @ 5025' SDFN DC-\$3925 CC-\$39,214

06/16/85 RIH W/4 11/16" SWEDGE, JARS, BUMPER SUB & 2 3/8" TBG TO 5025'. TRY TO WORK SWEDGE INTO CSG, SWEDGE GOING ON OUTSIDE OF CSG. POOH W/SWEDGE & TBG. RIH W/2 3/8" MILLSHOE SUB. KICK OFF SUB, 4 5/8" STRING MILL, JARS, BUMPER SUB, 6-DC'S & 2 3/8" TBG. WORK MILLSHOE INSIDE PARTED CSG. RAN STRING MILL

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PROSPECT
LOCATIONMESQUITE "3" #1
660' FNL & 660' FWL, SEC. 3,
T-18S, R-31E, EDDY CO, NM
08800PROJECTED TD
CONTRACTOR

MACK CHASE PULLING UNIT

TO 5025' & DRESSED OFF 1 1/2" PARTED CSG. RAN SHOE & MILL
TO 5250'. PULL STING MILL TO 4900' SDFN DC-\$4300 CC-\$43,514

06/17/85 SDF SUNDAY

06/18/85 FIN POOH W/2 3/8" MILL SHOE SUB, STRING MILL, 6-DC'S, JARS,
BUMPER SUB & 2 3/8" TBG. RIH W/20' CSG ALIGNMENT TOOL & EZ
DRILL RET TO 5023'. COULD NOT WORK ALIGNMENT TOOL INSIDE CSG
POOH W/2 3/8" TBG & CSG ALIGNMENT TOOL. SDFN
DC-\$2114 CC-\$45,62806/19/85 GIH W/24' ALIGNMENT TOOL W/5 1/2" SU RETAINER & 2 3/8" TBG.
STING INTO PARTED CSG @ 5030'. SET RETAINER @ 5015' W/C.A.T.
FROM 5020 TO 6044'. PUMP IN & ESTABLISH RATE @ 2.5 BPM @
1400#. PUMP 350 SXS CLASS "C" W/.2% CFR-3. MAX RATE 2 BPM @
1400#. SQUEEZE TO 3000#. STING OUT OF RETAINER & REVERSE 4
BBLs 14.8 CMT TO PIT PLUS 20 BBLs WTR. POOH. SI SDFN
DC-\$7600 CC-\$53,22806/20/85 RIH W/4 3/4" BIT, 6-DC'S & 2 3/8" TBG. TAG CMT @ 5012'. RU
STAR TOOL & DRILL OUT CMT & RETAINER @ 5017'. DRLD CSG
ALIGNMENT TOOL. FELL OUT OF TOOL @ 5045'. PRESS TEST CSG TO
1000# FOR 15"-HELD OK. CIRC HOLE CLN. SDFN
DC-\$2605 CC-\$48,23306/21/85 POOH W/BIT & COLLARS. TIGHT SPOT @ 5030'. GIH W/GLOBE BASKET
STRING MILL & 2 3/8" TBG. WORK BACK & FORTH THRU TIGHT SPOT
@ 5030' & DRESS OFF. GIH & TAG CMT ON TOP OF RETAINER @
6990'. CUT 1' & CIRC HOLE CLN. START POOH.
DC-\$9148 CC-\$57,38106/22/85 POOH W/2 3/8" TBG, 4 7/8" TAPERED MILL, 4 3/4" GLOBE BASKET.
REC 1 CONE OFF BIT. RIH W/4 3/4" MAGNET REC OTHER CONE. RIH
W/4 5/8" BIT, 6-DC'S & 2 3/8" TBG. TAG UP ON RET @ 6990'.
DRLD OUT RET & CSG ALIGNMENT TOOL TO 7028'. CIRC HOLE CLN.
SDFN DC-\$3250 CC-\$60,63106/23/85 CIRC OUT TO 7200'. TEST CSG 800# FOR 15"-HELD OK. POOH W/
4 5/8" BIT, 6-DC'S & 2 3/8" TBG. STRT IN HOLE W/NEW 4 5/8"
6-DC'S & 2 3/8" TBG. SDFN DC-\$2300 CC-\$62,931

06/24/85 SDF SUNDAY

06/25/85 TAG UP ON CMT @ 7266'. DRILL 10' OF CMT & TAG RET @ 7276' &
DRILL RET & CMT TO 7386'. CLEAN OUT TO 8296' (PBSD) TEST CSG
TO 1000#/15". CIRC HOLE CLN & POOH SDFN DC-\$3480 CC-\$66,41106/26/85 GIH W/BIT, 5 1/2" CSG & TBG TO 8290'. CIRC HOLE W/1 1/2" KCL.
POOH W/TBG & EQUIP. RU PENG0 & PERF 8080,91,8105,18,30,8204,
12,21,37 & 58'. (10 HOLES-1 SPF) RD PENG0. GIH W/5 1/2" PKR,
SN & TBG TO 8000'. SDFN DC-\$4700 CC-\$71,111

06/27/85 GIH W/PKR, SN & TBG TO 8266'. RU HUGHES & SPOT 250 GAL

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PROSPECT
LOCATIONMESQUITE "3" #1
660' FNL & 660' FWL, SEC. 3,
T-18S, R-31E, EDDY CO, NM
08800PROJECTED TD
CONTRACTOR

MACK CHASE PULLING UNIT

7 1/2% SRA. PULL PKR TO 8005'. BREAK DN PERFS @ 8080-8258'.
BROKE @ 2000. PUT ACID AWAY-3 BPM @ 3100/ ACIDIZE W/2500 GAL
& 20 BALL SEALERS. MAX PRESS-5500, AVG-3700, FINAL-3700. AVG
& MAX RATE-4.2 BPM. ISIP-2100, 5"-2000. TLTR-96 BBLs. RU TO
REC LOAD. IFL-SURFACE FFL-8000'. MADE 15 RUNS/REC 66 BBLs-
06/28/85 SITP-0 IFL-4000'. REC 29 BBLs IN 12 RUNS. FFL-8000'-FAIR
SHOW GOOD GAS & TRACE OF OIL. POOH W/TBG & PKR. RU TO RUN
3 1/2" TBG. SDFN DC-\$2650 CC-\$78,611

06/29/85 RU BOMONK & TEST 3 1/2" TBG & PKR IN HOLE. (8000#) SET PKR
@ 8012'. RD BOP/RU FRAC HD. SDFN DC-\$4850 CC-\$83,461

06/30/85 RU DOWELL & FRAC PERFS @ 8080-8258' W/75,000 GAL BS FRAC 60
& 200,000# 20/40 SAND. MAX RATE 40 BPM/AVG-37/FINAL-35. MAX
PRESS-7500#/AVG-6800/FINAL-7400. ISIP-2450, 15"-2200. SWI
FOR 4 HRS. TLTR-1844 BBLs. OPEN WELL FOR FLOW BACK. FLOW
WELL TO PITS FOR 8 1/2 HRS & DIED. LEAVE WELL FLOWING TO
TANKS FOR WEEKEND. DC-\$70,750 CC-\$154,211

07/01/85 WELL DIED. SWI FOR 7 HRS & OPEN WELL UP. CONT FLOW BACK.

07/02/85 SITP-0. RU HUGHES & LOAD TBG W/1% KCL. UNSET 5 1/2" PKR &
CIRC HOLE W/KCL WTR. POOH W/3 1/2" TBG & PKR. RU PENG0 &
PERF 7723,38,55,70,82,93,7922,28,31 & 35 (10 HOLES) RD PENG0
GIH W/5 1/2" RBP, PKR & 2 3/8" TBG. SET RBP @ 7972' & SDFN
DC-\$6050 CC-\$160,261

07/03/85 RU HUGHES & SPOT 250 GAL 7 1/2% SRA @ 7940'. PULL PKR & SET
@ 7679'. BREAK FORMATION @ 1/4 BPM @ 2500#. PUT ACID AWAY @
3 BPM @ 3800#. OPEN BY-PASS & ACIDIZE W/2500 GAL 7 1/2% SRA
& 20 BALL SEALERS. MAX PRESS-5300/AVG-3300/FINAL-3000. RATE-
3 BPM. ISIP-2100, 5"-2100#. TLTR-96 BBLs. RD HUGHES & WELL
FLOWED BACK 40 BBLs LOAD & DIED. RU SWAB IFL-400 FFL-7300.
REC 63 BBLs IN 11 RUNS. HAD TRACE OF OIL & SHOW OF GAS AHEAD
OF SWAB. SWI SDFN DC-\$4850 CC-\$165,111

07/04/85 SITP-0 IFL-7300' MADE RUNS/REC 4 BBLs (1% OIL CUT & FAIR
SHOW OF GAS) UNSET PKR & POOH W/TBG & PKR. RU BOMONK & TEST
IN HOLE W/TBG & PKR TO 7611' (TEST TBG TO 8000#) RD BO MONK
SDFN DC-\$8350 CC-\$173,461

07/05/85 SDF HOLIDAY

07/06/85 RU DOWELL & FRAC BONE SPRING PERFS 7723-7935' W/75,000 GAL
WTR FRAC 60 & 200,000# 20/40 SAND. MAX PRESS-7500/AVG-6800/
FINAL-6400#. MAX RATE-40/AVG-35/FINAL-40 BPM. ISIP-2400, 5"-
2350, 15"-2220#. TLTR-2046 BBLs. RD DOWELL. SWI FOR 2 HRS.
START TO REC LOAD ON 1/2" CK, 1700#. FLOW WELL TO PIT ALL
NIGHT. DC-\$59,450 CC-\$232,911

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PROSPECT MESQUITE "3" #1
LOCATION 660' FNL & 660' FWL, SEC. 3,
T-18S, R-31E, EDDY CO, NM
PROJECTED TD 08800
CONTRACTOR MACK CHASE PULLING UNIT

07/07/85 WELL DEAD. UNSET 5 1/2" PKR. RUN PKR TO 7922. RU DOWELL.
CIRC HOLE CLN. RD DOWELL. START LAY DN 3 1/2" TBG. SDFN
DC-\$1950 CC-\$234,861
07/08/85 SDF SUNDAY
07/09/85 SITP-0. FINISH LAYING DN 3 1/2" TBG. GIH W/ 2 3/8" TBG OPEN
END TO 8230' & RU HUGHES. CIRC OUT 60' SAND. CIRC HOLE CLN.
RD HUGHES. LAY DN 20 JTS TBG. SDFN DC-\$2250 CC-\$237,111
07/10/85 SITP 200 GAS & H2O TRACE OF OIL. POOH W/2 3/8" TBG. RU BO
MONK. TST IN W/CAVITY, 5 1/2" LOC SET & 259 JTS 2 3/8" TBG
TO 5000#. SET PKR @ 7658'. RD BO MONK. ND BOP. NU WELL
HEAD-PUT WELL ON UNIDRAULIC. SDFN. DC-\$3650 CC-\$240,761
07/11/85 131 BBLS LOAD WTR.
07/12/85 3100# DISCHARGE PRESSURE. 137-BBLS LOAD WTR
07/13/85 13-BO 95-BW 3100# DIS
07/14/85 23-BO 53-BW 3100# DIS
07/15/85 23-BO 34-BW DN-RESTARTED
07/16/85 22 BO, 13 BW.
PUMP DN HIGH DIS.
07/17/85 18 BO, 33 BW RENTAL TRIPLEX DOWN FOR REPAIRS.
07/18/85 18 BO, 33 BW
07/19/85 NO PRODUCTION. PUMP NOT JETTING.
07/20/85 0 BO, 0 BW, 3100#
07/21/85 0 BO, 0 BW, 2950#
07/22/85 0 BO, 0 BW, 2900#
07/23/85 DOWN- HIGH DISCHARGE & OUT OF FUEL.
07/24/85 5 BO, 0 BW PRES-3100#
07/25/85 7 BO, 14 BW. PRES-3100#. SI DUE TO WO.
07/26/85 7/25/85: MI & RU CHASE PU. RIH W/FISHING TOOL ON SAND LINE.
FISHED FOR STANDING VALVE. COULD NOT FISH STANDING VALVE.
POOH W/FISHING TOOLS. ND WELL HD & NU BOP. UNSET 5 1/2" PKR
& START OOH W/2 3/8" TBG & PKR. SDFN. DC=\$1,282 CC=\$1,282
7/26/85: FIN POOH W/5 1/2" LOK SET, 2 3/8" TBG & BOTTOM HOLE
JET PUMP ASSEMBLY. REPLACE STANDING VALVE, CAVITY. GO BACK
IN HOLE W/PKR. SET PKR @ 7670' W/234 JTS 2 3/8" TBG. LOAD
HOLE & PUMP JET PUMP TO BOTTOM. PUT WELL ON PRODUCTION. RD
UNIT. SDFN. DC=\$2,150 CC=\$3,442
07/27/85 MOTOR DN. BLOW PACKING
07/28/85 105-BW 3100# DIS.
07/29/85 40-BW. MOTOR DN. BLOW PACKING
07/30/85 DN. BLOWN PACKING
07/31/85 DN. BLOWN PACKING
08/01/85 MI & RU CHASE UNIT. PUMP JET PUMP OUT. ND WELL HEAD/NU BOP.

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PROSPECT
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660' FNL & 660' FWL, SEC. 3,
T-18S, R-31E, EDDY CO, NM
08800PROJECTED TD
CONTRACTOR

MACK CHASE PULLING UNIT

UNSET 5 1/2" LOCSET PKR. POOH W/PKR & BHA. RIH W/2 3/8" TBG
OPEN ENDED. TAG SAND @ 8230'. RU HUGHES & CIRC 60' SAND. RD
HUGHES. POOH W/2 3/8" TBG. SDFN DC-\$2750 CC-275008/02/85 FIN POOH W/2 3/8" TBG. GIH W/REDRESSED 5 1/2" BAKER LOKSET
PKR, CAVITY W/STANDING VALVE & 232 JTS 2 3/8" TBG TO 7557' &
SET. LOAD HOLE & PUMP JET PUMP TO BOTTOM. RD & REL PU. PUT
WELL ON PROD. DC-\$1200 CC-\$3950

08/03/85 17-BO 69-BW

08/04/85 86-BW

08/05/85 DN. 60-BW

08/06/85 DOWN. NO SUCTION. ALL FLUID IN TREATER. 0-BO 85-BW

08/07/85 0-BO 85-BW

08/08/85 39-BO 65-BW DIS-3000#

08/09/85 29-BO 187-BW 3100# DIS

08/10/85 13 BO, 23 BW, 3000 DISCHARGE

08/11/85 28 BO, 62 BW, 3000 DISCHARGE

08/12/85 27 BO, 20 BW, 2900 DISCHARGE

08/13/85 10 BO, 23 BW

08/14/85 MI & RU MACK CHASE, ND WELL HEAD, NU BOP. POH W/5 1/2" LOC
SET PKR, CAVITY & 2 3/8" TBG. RIH W/SN, 23 JTS 2 3/8" TBG,
5 1/2" TBG ANCHOR, & 230 JTS OF 2 3/8" TBG. SDFN.
DC - \$1850; CC - \$1850.08/15/85 RAN SN, 2 3/8" TBG TO 8250'. TAGGED UP ON SND. RU HUGHES.
CIRC 40' SND. RD HUGHES. COULD NOT SET ANCHOR. POOH W/ANCHOR
& TBG. RIH W/SN, (23) JTS 2 3/8" TBG, 5 1/2" TBG ANCHOR,
(230)JTS 2 3/8" TBG. SN @ 8035'. ANCHOR @ 7313'. ND BOP. NU
WELLHEAD. SIH W/2" X 1 1/4" X 24' PUMP. RAN (50) 3/4" RODS.
SDFN. DC=\$2,350 CC=\$4,20008/16/85 FINISH RUNNING RODS. RIH W/206-3/4" RODS, 114-7/8" RODS,
1-4' X 7/8" PONY. HANG WELL ON & RD CU. DC - \$850;
CC - \$5050.

08/17/85 RIH W/PUMP

08/18/85 9-BO 70-BW

08/19/85 0-BO 76-BW

08/20/85 8-BO 62-BW 7 1/2 SPM

08/21/85 15-BO 34-BW

08/22/85 0-BO 87-BW

08/23/85 0-BO 85-BW

08/24/85 8 SPM 85-BW 0-BO

08/25/85 8-SPM 41-BW 0-BO

08/26/85 8-SPM 65-BW 0-BO

08/27/85 8 SPM 0-BO 76-BW

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PROSPECT MESQUITE "3" #1
LOCATION 660' FNL & 660' FWL, SEC. 3,
T-18S, R-31E, EDDY CO, NM
PROJECTED TD 08800
CONTRACTOR MACK CHASE PULLING UNIT

08/28/85 0-BO 82-BW IN 24 HRS

08/29/85 8 SPM. 0-BO 86-BW

08/30/85 0-BO 83-BW

08/31/85 0 BO, 67 BW, 8 SPM.

09/01/85 0 BO, 50 BW, 5 SPM.

09/02/85 0 BO, 45 BW, 5 SPM.

09/04/85 0-BO 50-BW 5 SPM

09/05/85 45-BW 0-BO

09/06/85 86-BW. SHOW OF OIL

09/07/85 FILLED TREATER 78-BW

09/08/85 29-BO 111-BW

09/09/85 17-BO 69-BW

09/10/85 19-BO 81-BW 10-SPM

MI & RU CHASE PU. POOH W/RODS & PUMP. ND TREE/NU BOP. UNSET
ANCHOR & POOH. START IN HOLE W/RBP & 5 1/2" MOD "R" PKR, SN
& 2 3/8" TBG. DC-\$1850 CC-\$1850

09/11/85 RIH W/5 1/2" PKR & BP. TEST CSG PATCH @ 5028 & 7000'. BLED
OFF 200# FOR 15"-HELD OK. SET BP @ 7700' FOUND HOLE IN CSG
@ 7358'. PUMP CMT @ 1/4 BPM @ 1200#. SWI SDFN

DC-\$2670 CC-\$4520

09/12/85 PULL PKR TO 7256' & RESET. RU SWAB. IFL-SURFACE FFL-7200'.
MADE 12 RUNS, REC 35 BBLS-SMALL SHOW OF GAS. RD SWAB. RU
DOWELL. ESTABLISH RATE THRU HOLE IN CSG @ 3 BPM @ 3000#.
SPOT 100' SAND ON TOP OF BP. SDFN DC-\$2000 CC-\$6520

WATER SAMPLE

RW	.2 @ 74 DEG	SP GR	1.024
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CA	666	MG	169
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CL	21,000	SO4	SMALL
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HCO3	458	FE	SMALL
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KCL	2%	NITRATE	NIL
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9/13/85 PULL PKR & SET @ 6704'. RU DOWELL & SQUEEZE HOLE IN CSG @
7358' W/100 SXS CLASS "H" W/5/10% D-65 & 5/10% D-60. SQUEEZE
HOLE IN CSG TO 3000#. UNSET PKR. REV HL CLN. PULL PKR TO
6500' & SET. PRESS SQZ TO 1000#. SWI SDFN DC-\$5650 CC-\$12170

9/14/85 POOH W/5 1/2" PKR & TBG. RIH W/4 3/4" BLADE BIT, 4-DC'S &
5 1/2" SCRAPER. TAG CMT @ 7250'. DRILL OUT CMT & TEST SQZ
TO 2000#. BLED OFF 150# FOR 15". POOH W/BIT, COLLARS & TBG.
SDFN DC-\$4150 CC-\$16,320

9/15/85 RIH W/5 1/2" MOD "R" PKR. TEST CSG PATCHES @ 5000 & 7000'-
HELD OK. TEST SQZ @ 7360' TO 2000#. BLED OFF 150# IN 15".

POOH W/PKR & TBG. SDFN DC-\$1400 CC-\$17,720

9/16/85 SDF SUNDAY

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PROSPECT MESQUITE "3" #1
LOCATION 660' FNL & 660' FWL, SEC. 3,
T-18S, R-31E, EDDY CO, NM
PROJECTED TD 08800
CONTRACTOR MACK CHASE PULLING UNIT

09/17/85 RIH W/5 1/2" MOD "R" PKR, SN & 2 3/8" TBG. SET PKR @ 7330'.
RU SWAB. IFL-SURF FFL-7300'. MADE 8 RUNS & SWAB DRY. NO SHOW
RD SWAB. UNSET PKR & REL BP. POOH W/PKR, BP & TBG. SDFN
DC-\$1650 CC-\$19,370

09/18/85 RIH W/SN, 31 JTS 2 3/8" TBG, TBG ANCHOR & 216 JTS 2 3/8" TBG
SN @ 8014', TBG ANCHOR @ 7035'. ND BOP/NU WELL HEAD. RIH W/
2" X 1 1/4" X 24' PUMP, 204-3/4" RODS, 105-7/8" RODS, 2-4' X
7/8" PONY. PUT WELL ON PROD. RD CHASE UNIT.
DC-\$1750 CC-\$21,120

09/19/85 MI & RU CHASE UNIT. POOH W/PUMP & RODS. RIH W/NEW PUMP &
RODS. HANG WELL ON. RD CHASE UNIT. DC-\$850 CC-\$21,970

09/20/85 0-BO 106-BW

09/21/85 61-BW 8-SPM

09/22/85 83-BW 8-SPM

09/23/85 80-BW 8-SPM

09/24/85 56-BW 0-BO 8-SPM IN 24 HRS

09/25/85 0-BO 83-BW

WATER SAMPLE TAKEN 9/23/85:

SP GR 1.075 @ 68 DEG

CA 6080

CL 60,000

HCO3 549

POT. 31,964

HARDNESS 98,700

PH 6.5

MG 389

SO4 1160

FE GOOD

NACL 98,700

09/26/85 21-BO 56-BW

09/27/85 19 BO, 59 BW

09/28/85 12-BO 22-BW

09/29/85 17-BO 42-BW

09/30/85 17-BO 42-BW DROPPED FROM REPORT UNTIL FURTHER NOTICE