Case No
5096

Large Exhibits

N.M.C.P. MICROGRAPHICS

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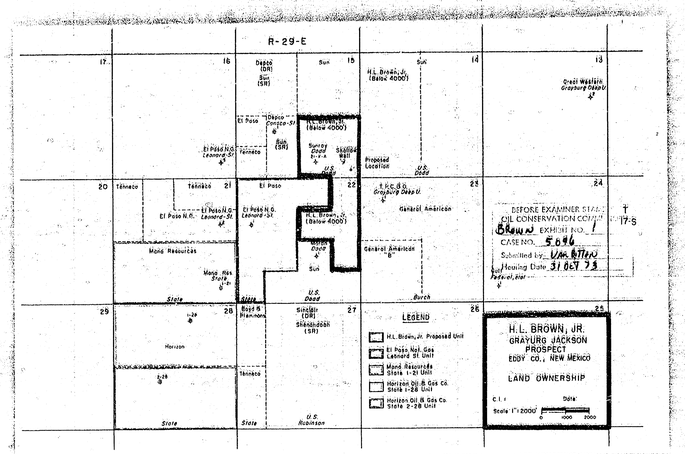

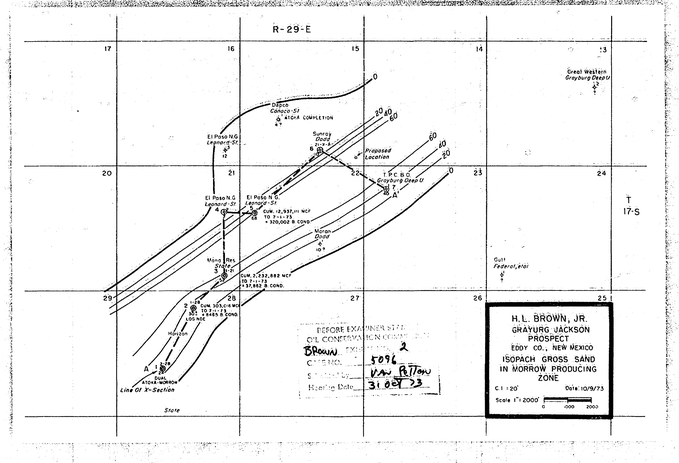

N.M.O.C.C. MICROGRAPHICS
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A

A'

① HORIZON OIL & GAS COMPANY
#2 STATE "28"
Elev. 3591' KB

1. DST 10,328'-10,364' TO 45 mins GTS 5 mins @ 2,080 MCFGPD incr to 4,873 MCFGPD. ISIP 4832/2½ hrs. FP 1531-4390. Packer failed.
2. DST 10,669'-10,694' TO 1½ hrs. Rec. 31' OM. ISIP 190/2½hrs. FP 47-71, FSIP 950/2½ hrs.
3. DST 10,698'-10,874' TO 1½ hrs. GTS 10 mins @ 3,314 MCFGPD. Rec. 993' GCOM. ISIP 2871/2½ hrs. FP 843-1513, FSIP 2871/2½ hrs.
4. Perf 10,709'-10,727' A/1,750 Gal. IP CAOF 475,000 CFGPD SIWHP 3659 #
5. Perf 10,327'-10,341' A/2500 Gal IPCAOF 3,435,000 CFGPD SIWHP 3659 #

② HORIZON OIL & GAS COMPANY
#1 STATE "28"
ELEV. 3589' KB

1. DST 10,340'-10,400' TO 1 hr, 45 mins. GTS 20 mins @ 369,000 CFPD. Rec. 600' gas cut mud ISIP 4744#/1½ hrs. FP 568-589, FSIP 4722/3 hrs.
2. DST 10,670'-10,803'. TO 1 hr. GTS 4 mins @ 1,500 MCFGPD incr. to 6,880 MCFGPD. Rec. 150' cond. & 743' GCM. ISIP 2995/1 hr, FP 732-1691, FSIP 2860/3 hrs.
3. Perf 10,768'-10,784'. Acid. 2500 gals. IPCAOF 4,877 MCFGPD. Gray (cond.) 61.4, GOR 51,979-1. IS WHP 2046.

③ MANA RESOURCES, INCORPORATED
#1 STATE "21"
ELEV. 3563' KB

1. DST 10,356'-10,407' TO 2 hrs. GTS 9 mins. 470 MCFGPD. Tool plugged. FP 139-480S, ISIP 4805/1½ hrs. No FSIP.
2. DST 10,357'-10,407'. TO 2 hrs, 15 mins. Flowed gas at max 1,102 MCFGPD. After 1 hr 20 mins decr. to 598 MCFGPD at end of test. Rec. 580' GCM. FP 181-230, ISIP 2273/1¼ hrs. FSIP 4817/2 hrs.
3. Perf 52 holes 10,748'-10,774'. Undescribed treatment. F/2,367 MCFGPD/1 hr 25 mins, 1"ch, TP 1506 BHP 2241. Flow 1,908 MCFGPD/75 mins., TP 1631, BHP 2281. Flow 1672 MCFGPD/ 75 mins. TP 1700, BHP 2467. CAOF 4,459 MCFGPD Est 25 bbls cond/MMCF.

④ EL PASO NATURAL GAS COMPANY
#2 LEONARD STATE
ELEV. 3585' KB

1. Perf 10,694'-10,702', 10,708'-10,724', 10,768'-10,776'. A/23% gals. Frac 20,000 gal. Swb dry.

⑤ EL PASO NATURAL GAS COMPANY
#1 LEONARD STATE
Elev. 3566' KB

1. DST 10,305'-10,353' TO 3 hrs. GTS 90 mins. Rec. 720' WB & 7305' GCM. FP 430-395. SIP 535/30 min.
2. DST 10,309'-10,423' TO 6 hrs. 15 mins. Gas in 3 mins, mud in 135 mins, dist in 5¼ hrs. Flow 2 BOPH, Grav 49, GV 3,690 MCFPD thru 5/8" ch. Rec. 270' dist below sub. FP 500-945, SIP 4930/4635/45 mins.
3. DST 10,638'-10,712' TO 2 hrs GTS 3 mins, mud 15 mins, dist 17 mins, GV 14,000 MCFGPD, 28 BOPD, Grav 52. Rev out gas & dist. Rec. 240' dist below sub. FP 1920-2330, SIP 4570-4430/1 hr.
4. DST 10,682'-10,734' TO 2 hrs. GTS 2¼ min 13,500 MCFGPD, mud 12 min, dist 15 min. Rev out gas. Rec 310' dist below sub. FP 2655-3500, SIP 4555/1 hr.
5. Perf 10,680'-10,760' IPAOF 22,500 MCFGPD + 36 BOPD

⑥ SUNRAY MIDCONTINENT OIL COMPANY
#21-X-A DODD
ELEV. 3595' KB

1. DST 10,680'-10,777' TO 195 min GTS 93 min @ 10 MCFPD. Rec. 1500' GCMW, 90' GCM, 30 min ISIP 830, FP 830-860, 60 min FSIP 2040.

PROPOSED LOCATION
H. L. BROWN, JR.
#1 DODD

⑦ TEXAS PACIFIC COAL & OIL COMPANY
#1 GRAYBURG DEEP UNIT
ELEV. 3613' KB

1. DST 10,304'-10,340' TO 2 hrs. Gas in 18 mins. Rec. 80' GCM, FP 60#, SIP 3075-3575/30 mins.
2. DST 10,888'-10,949' TO 2 hrs. Rec. 1000' WB & 70' mud. FP 750# SIP 1850#/30 mins.

T. ATOKA

DATUM
T. LWR. MORROW

GRAYBURG JACKSON
MORROW PAY ZONE

T. UPPER MISS.

BEFORE EXAMINER ST
OIL CONSERVATION CO
BROWN EXHIBIT NO. 3
CASE NO. 5096
Submitted by: VAN PETTEN
Hearing Date: 31 OCT 23

H.L. BROWN, JR.
GRAYBURG JACKSON PROSPECT
EDDY CO., NEW MEXICO

STRATIGRAPHIC CROSS-SECTION A-A'

SCALE: VERT: 1"=100' HORIZ NONE

E.E.V.P.
10-9-73

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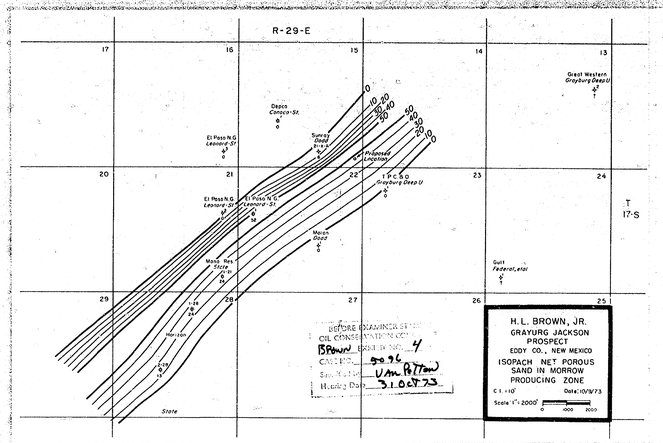

BEFORE EXAMINER STAMPS
OIL CONSERVATION COMMISSION
BROWN EXHIBIT NO. 4
CASE NO. 5096
Submitted by Unn Petroleum
Hearing Date 31 Oct 73

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