

LEA COUNTY, NEW MEXICO

PAN AMERICAN NO. 1 PLAINS UNIT 27 - 19S - 32E

Completed: 10-19-62

5-1/2" Casing @ 12,160' W/790 Sacks

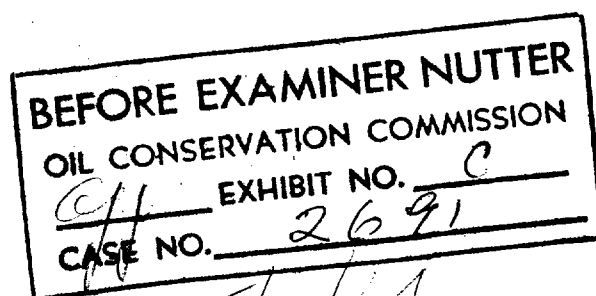
TD 13,160' PBTD 13,085'

13,004 - 13,010' CAOF 1420 MCFGPD (Morrow)

DST 12,660 - 12,716' Open 5 Hrs. GTS 15 Min. Vol. 750 MCF
Recovered 1000' WB + 1800 GC dist. Gravity 48.7 No. Press. Reported

10-8-62 TD 13,160' PB 13,085' MORT
Perf. 24/13,004 - 13,010' A/500
Flowed 69 Bbls. dist + 28' BLW in 20 Hrs. 24/64" choke
Gas Vol. 1,430 MCFGPD
Flowed 84 Bbls. dist/24 Hrs. thru 24/64" choke
Gas Vol. 1,465 MCFGPD

10-22-62 Comp.
4 point gauges
Flowed 1120 MCF 14/64" choke + 2.5 Bbls. dist. in 2 Hrs. TP 1165#
Flowed 1200 MCF 16/64" choke + 6.7 Bbls. dist. in 2 Hrs. 45 Min.
TP 900#
Flowed 1300 MCF 18/64" choke + 8.4 Bbls. dist. in 2 Hrs. 30 Min.
TP 745#
Flowed 1360 MCF 24/64" choke + 8.4 Bbls dist. in 2 Hrs. TP 612#



5/7/64

LEA COUNTY, NEW MEXICO

EL PASO NAT. GAS CO. NO. 3 LUSK 20 - 19S - 32E

5-1/2" Casing @ 12,468' W/650 Sacks

DST 12,172 - 12,327' Open 1-1/2 Hrs. Rec. 2000' WB + 1700'
brackish WCDM ISIP 1 Hr. 5695# FP 1100-1450# FSIP 1 Hr. 5625#

DST 12,475 - 12,621' Open 1 Hr. Rec. 20' SGCM
ISIP 1 Hr. 995# FP 710-780# FSIP 1 Hr. 925#

S.P. DST 12,367 - 12,468' Open 1 Hr. (Used 2000' N₂) GTS 5 Min.
@ 9500 MCF - Rec. 500' dist. + 1' Mud FP 4385-5380# FSIP 1 Hr. 5750#
Perf.: 12,370 - 12,390' Natural

Flowed 2356 MCF + 188 Bbls. Cond. thru 11/64" choke Gravity Cond. 55.5
10-31-61 TP 3598#

TD 12,623' PB 12,468'

LEA COUNTY, NEW MEXICO

PAN AMERICAN NO. 2 PLAINS UNIT 28 - 19S - 32E

Morrow 12,403 - 12,530' Flowed 3 MMCFGPD 16/64" Choke
2200 FTP 7" @ 12,765'

DST 12,409 - 12,545' Open 2 Hours 21 Min. GTS 60 Min. Flowed
3250 MCF + 5.5 Bbls. Dist./1' Rec. 390' dist. Gravity 60.6°
60 Min. ISIP 4978#, FP 2237 - 3375# 90 Min. FSIP 4913#

Perf. (Morrow) 18/12,403 - 12,412', 22/12,480 - 12,491',
12/12,494 - 12,500', 24/12,504 - 12,516', 22/12,519 - 12,530'

Treated 1000 gallons acid (Morrow)

TD 12,996' PB 12,629'

DELHI-TAYLOR OIL 1-23 JONES 23 - 19 - 31

DST 12,650 - 12,786' Open 3 minutes Packer failed

DST 12,620 - 12,853' Packer failed

Perf. 12,679 - 12,689' W/2 SPF

Set BP @ 12,705' and Packer @ 12,659'

A/ 500 gallons Swabbed dry.

Re-A/5,000 gallons Tested - No gauge

Perf. 12,422 - 12,434', 12,510 - 12,528' W/2 SPF

Set BP @ 12,750' and Packer @ 12,460'

A/5,000 gallons

Swabbed acid water and formation water w/slight show of gas

Set BP @ 12,365'

(Came back up to Strawn)

DRY IN MORROW

COMPLETED FROM STRAWN

H. N. SWEENEY NO. 1-A MALONE 13 - 19 - 31

DST 12,290' - 12,433' of 1 hour GTS 14 minutes @ 25 MCFGPD Recovered 370 GCM.

1 hour ISIP 1,975# FP 200-200# 1 hour FSIP 1,225#

DST 12,450' - 12,695' Open 2 hours 30 minutes GTS 3 minutes @ 1,150 MCFGPD + 7.5 barrels condensate per hour. Reversed out 400' condensate. Gravity-48.3

4 hours 11 minutes ISIP 5,465# FP 2,969 - 4,892#

2 hours FSIP 5,002#

Perf. 12,603' - 12,615', 12,618' - 12,632' W/4 SPF Flowed 200 MCFGPD - Natural.

Perf. 12,446' - 12,456', 12,464 - 12,468', 12,475 - 12,483' W/4SPF Flowed 1,000 MCFGPD + 15 barrels condensate per hour thru 1/8" choke

Tubing pressure 3,125#

Flowed 1,500 MCFGPD + 95 barrels condensate per day thru 12/64" choke

Tubing pressure 1,700#.

TD 12,715' Testing-No gauge - 11-26-63

TD 12,715' Testing-No gauge - 12-2-63

Morrow BHP dropped from 5,000# to 1,700#

Set packer @ 11,830'

Perf. 11,816 - 11,822' W/2SPF

Swabbed 100% water.

12-16-63 TD 12,715' P&A

T/Morrow 11,816'

NO MORROW COMPLETION

P&A

LEA COUNTY, NEW MEXICO

SHELL NO. 1 MIDDLETON - FEDERAL "B"
31 - 19S - 32E

TD 12,976'

Water Supply Well

DST 12,395 - 12,600' Open 76 Min. Rec. 220' DM 60 Min. ISIP 234#
FP 234 - 256# 120Min FSIP 512#

DST 12,632 - 12,832' Open 3 Hrs. GTS 12 Min. @ 495 MCF Decreased to
375 MCF @ end of test.

Rec. 720' HGC & VSW & dist. CM
60 Min. ISIP 5092# FP 427-405# 90 Min FSIP 4588#

Completed as Water Supply Well

PAN AMERICAN NO. 8 GREENWOOD 7 - 19 -32

10-1-62 TD 12,440'
DST 12,267 - 12,340' Open 3 hours 30 minutes GTS 1 hour 28
minutes @ 5 MCFGPD
Recovered 1140' WB + 120' GCM FP 657 - 657# 60 minutes ISIP
2387# 60 minutes FSIP 3976#

10-8-62 TD 12,657' PB 12,430 Testing
Set BP @ 12,410' Drilled out to 12,430'
DST 12,256 - 12,430 Open 4 hours 6 minutes Recovered 1,000'
NB + 598' GCM FP 680-680# 60 minutes ISIP 4,655#
60 minutes FSIP 2,711#

P&A

PAN AMERICAN NO. 7 GREENWOOD UNIT 12 - 19 - 31

DST - 12,057' - 12,095' open 1 hour 30 minutes Recovered 1500' GCWB +
558' SGCSW 60 minutes ISIP 5245, FP 830-945# 60 minutes FSIP 4465#
DST - 12,105 - 12,175 Packer failed

3-26-62 TD 12,794' SD casing parted
4-2-62 TD 12,794' SD casing parted
4-9-62 TD 12,794' PB 10,341' MORT
4-16-62 TD 12,794' PB 11,450' Testing

Perf. 96/11,136' - 11,160' Treated 500 gallons acid, retreated 2500 gallons
acid. Flowed 62 BLW in 3 hours

4-23-62 TD 12,794' - PB 11,450 - Testing.
Set retainer BP @ 10,300' Perf. 28/10,212' - 10,226'
Treated with 2,000 gallons acid. Flowed 220 BNO + 20 BFW in 24 hours thru
20/64" choke Tubing pressure 400#

4-30-62 TD 12,794' PB 11,450' Completed
Perf. 104/8,616' - 8,668' Treated with 1,000 gallons acid.

NO COMPLETION ATTEMPT IN MORROW

LEA COUNTY, NEW MEXICO

EL PASO NAT. GAS CO. NO. 5 LUSK DEEP UNIT FEDERAL

19 - 19S - 32E

5-1/2" Casing 12,554' W/600 sacks
Morrow 12,400 - 12,412' CAOF 9450 MCFGPD Natural

6-3-63 Ø 12,047' Lm.

6-10-63 Ø 12,460'

DST 12,122 - 12,339' Packer failed

DST 12,120 - 12,339' Open 2-1/2 hours WBTS in 1-1/2 hours GTS 1 hour
40 minutes @ 2290 MCF decreased to 810 MCF @ end of test. Rec. 1060'
HO& GCDM 60 Min. ISIP 5400# FP 2510-1920# 60 Min. FSIP 4350#.

6-17-63 TD 12,560' Swabbing Morrow
Perf. (Morrow) 12,400 - 12,412' W/2 SPF

7-8-63 TD 12,560' PB 12,554' Completed

LEA COUNTY, NEW MEXICO TENNECO NO. 1 USA - TRIGG - FEDERAL 8 - 19 - 32

5-1/2" @ 12,798' W/550 sacks

1-27-64 12,544' Lm - Sh - Sd

2-3-64 12,800' Tight

2-17-64 12,800' Tight-testing

2-24-64 12,800' PBD 12,725' Tight

3-9-64 12,800 PBD 12,725' Tight

4-20-64 12,800 PBD 12,725' Tight

Perforate (Morrow) 12,408 - 12,412', 12,437 - 12,438', 12,443 -
12,444', 12,470 - 12,471', 12,489 - 12,490', 12,526 - 12,527',
12,546 - 12,547', 12,662 - 12,663', 12,692 - 12,694' W/2 SPF

A/200 gallons (MA) Swabbed gas @ TSTM
Morrow Zone 12,408 - 12,694' Temp. Abnd.

DELHI-TAYLOR No. 1-A JONES FEDERAL 25 - 19 - 31

6-10-63 12,210 Drilling L-Sh-Sd

6-17-63 12,554 Drilling L&Sh

6-24-63 12,775' Drilling L & Sd Prep. to run casing.
5-1/2" @ 12,775' W/850 sx.

DST 12,656 - 12,757' Open 3 Hours - GTS 1 hour 17 minutes @
1,800 MCFGPD Recovered 1,080' WB & 1,410 GCM, No ISIP FP 1,546-
1,061#

2 hours FSIP 4,919#

SP DST 12,339 - 12,418' Open 3 hours 10 minutes GTS 2 hours 45
minutes @ TSTM Recovered 3,000' GCWB + 465' W&GCM + 465' MCSW
No ISIP FP 1,626-1,783# 2 hour FSIP 5,065#

Perf. Morrow 12,422 - 12,426', 12,428 - 12,432, 12,436 - 12,438,
12,470 - 12,472', 12,476 - 12,482', 12,492 - 12,498', 12,514 - 12,516',
12,522 - 12,530', 12,532 - 12,536', 12,655 - 12,661', 12,688 - 12,698',
12,714 - 12,720' W/2 SPF

7-8-63 TD 12,775' Swabbed lower zone (Morrow)
Strawn complete
Set packers @ 11,360', 12,326', 12,590'
A/500 gallons (12,422 - 12,536')
A/500 gallons (12,655 - 12,720)

7-15-63 TD 12,775' Testing Morrow
Flowed 1,345 MCFGPD thru 20/64" choke Tubing pressure 575#
12,655 - 12,720

7-22-63 TD 12,775 Prep. to test.
Re A/10,000 gallons MA (Morrow)

7-29-63 TD 12,775' Testing Morrow-no gauge

8-5-63 TD 12,775' Testing Morrow-no gauge

8-12-63 TD 12,775' Prep. to run tracer survey.

8-19-63 TD 12,775' Testing Morrow
Tracer Survey indicated communication
Re-set Packers @ 7,370' & 12,350'

8-26-63 TD 12,775' SI

9-3-63 TD 12,775' WO Potential (Morrow)

9-9-63 TD 12,775' Same

DELHI-TAYLOR NO. 1-A JONES FEDERAL 25 - 19 - 31

9-16-63 TD 12,775' Completed

Four Point Test

F/940.7 MCFGPD thru 18/64" choke TP 1123#

F/952.1 MCFGPD thru 20/64" choke TP 1014#

F/966.5 MCFGPD thru 22/64" choke TP 978#

F/980.8 MCFGPD thru 24/64" choke TP 917#

IPCAOF (12,422 - 12,720) 1,200 MCFGPD + 56 B Cond. + 4 BW Gravity 49.8

GOR 12,109 SITP 5150#

LEA COUNTY, NEW MEXICO

SHELL OIL COMPANY NO. 1 MIDDLETON "A" 18-19S-32E

- 2-7/8" (3 strings) @ 12,502' W/2300 sacks.
- 8-20-62 Drilling 12,470'
- 8-27-62 Drilling 12,515' Running casing.
DST 12,168 - 12,515' Packer failed
DST 12,130 - 12,515' Open 3 hours
GTS 15 minutes Gas Vol. 1,000 MCFGPD
Reversed out 1,230' GCM below Sub
ISIP Failed FP 1135 - 1536# 1 hour FSIP 4921#
- 9-4-62 TD 12,515' PB 12,482' Testing
Perforate (Morrow) 12,242 - 12,245', 12,246 - 12,249',
12,260 - 12,263', 12,274 - 12,280', 12,426 - 12,430 W/2 SPF
Swabbed & Flowed 30 BO + 4 BW & 630 MCFGPD/4Hours Thru 12/64"
choke & 17/64" choke (Natural)
- 9-10-62 TD 12,515' PB 12,482'
A/(Morrow) 12,242 - 12,430' W/1000 gallons.
- 10-1-62 TD 12,515' PB 12,482' Testing
(Morrow) 110' MCFGPD 12/64" choke FTP 250#
- 12-16-63 TD 12,515' PB 12,482' SI
Set C.I. BP @ 11,785'

MORROW ZONE NOT COMPLETED

LEA COUNTY, NEW MEXICO

EL PASO NAT. GAS CO. NO. 2 LUSK DEEP UNIT - FEDERAL

18 - 19S - 32E

5" liner 11,299 - 13,551' W/717 sacks

Morrow 12,380 - 12,398' Flowed 4,000 MCFPD 1/4" choke 2
hour test

1-31-64 TD 11,400' WOC Lm & Sh

2-6-61 Ø 12,270'

2-13-61 Ø 12,500' Lm & Sh

DST 12,262 - 12,274' Open 30 minutes Recovered 3,000' WB +
20' SGC mud 20 minutes ISIP 1895# FP 1410# 20 minutes FSIP
1535#

DST 12,376 - 12,424' Open 1 hour 30 minutes used 3000' WB. WB
to surface in 10 minutes GTS 21 minutes Dist. TS 30 minutes
Flowed 12,000 MCFPD thru 1/2" choke Flowed 3 Barrels Dist. in 30
minutes Recovered 550' Dist. 20 minutes ISIP 5225# FP 2910-
4622# 25 minutes FSIP 5242#

DST 12,424 - 12,452' Open 30 minutes Recovered 3,000' WB + 5'
VSGCM 20 minutes ISIP 1815# FP 1420# 20 minutes FSIP 1525#

2-21-61 Ø 12,940' Lm & ch.

2-27-61 Ø 13,240' Lm & sh

3-7-61 TD 13,692' Lm & Dolo. prep. to core

DST 13,480 - 13,554' Open 1 hour used 3,500' NB, Rec. NB + 250'
Brackish WCM 20 minutes ISIP 5760# FP 1195 - 1300# 20 minutes
FSIP 5575#

Cored 13,640 - 13,691' Rec. 51' Dolo. PPP 13,640 - 13,665'

3-14-61 TD 13,974' Run logs @ 13,692-13,741' Rec. 49' Dolo. N.S.

3-20-61 TD 13,974' Prep. to run liner.

DST 13,946 - 13,974' Open 40 minutes Rec. 4,000' NB + 20' VSGC&NCM
20 minutes ISIP 5595# FP 1205 - 1225# 20 Min. FSIP 5285#

3-27-61 TD 13,974' DO 12,503 Prep. to perf.

4-3-61 TD 13,974' DO 12,503

Perf. 36/12,380 - 12,398' 120/11,220 - 11,250'
Treated 12,000 gallons Acid.

LEA CO. 29-19S-32E

El Paso 1 Southern Calif. - et al

Morrow completion 7-24- 62
12448-488 CAOF 18,000 MCFGPD
GOR 48,873 52.9° Gty.

5-1/2" @ 12834'

Morrow DST 12312-412 Op. 2'45" GTS 28"
Gas vol. 750 MCF Rec. 180' cond. + 680' H cond. & GCM
ISIP 5668# FP 256-296# 75" FSIP 5694#

DST 12412-582 Op. 1' 27" GTS 7" MTS 21"
Dist. to S. 25" flowed gas @ 8 MMCF thru 1" choke increasing to
11.2 MMCF + 20 B dist. PH for 1' 2" Rev. out full string dist.
Rec. 150' H dist. and GCM below sub
75" ISIP 5392# FP 3882-4778# 1' FSIP 5755#

7-16-62
T.D. 12834 S.I. W. O. Pot.

Perf. (Morrow) 28/ 12448-462, 16/ 12470-478, 16/ 12480-488 Natural

Flowed 1460 MCFGPD	8/64	choke	TP 3973#
" 2871 "	11/64"	"	TP 3732#
" 4215 "	14/64"	"	TP 3412#
" 5843 "	17/64	"	TP 3051#

F/1509 MCF / 20 hrs. 6/64" TP 3992#

LEA COUNTY, NEW MEXICO

S. P. YATES & MARTIN YATES III NO. 1 FEDERAL ELLIOT - HALL
30 - 19S - 32E

Morrow Comp.: 7-8-63

5-1/2" Casing @ 12,472' W/775 Sacks

12,130 - 12,399' CAOF 4690 MCFGPD FTP 1965#

SI Gas Well

DST 11,910 - 12,004' Packer failed

DST 11,875 - 12,004' Open 1 Hr. 5 Min. Rec. 60' EM

60 Min. ISIP 1260# FP 903-903# 60 Min. FSIP 1035#

DST 12,175 - 12,225' Open 1 Hr. 32 Min. GTS 28 Min. @ TSTM

Rec. 1900' WB + 90' SGCM 30 Min. ISIP 4520#

FP 820-820# 30 Min. FSIP 3060#

DST 12,370 - 12,421' Open 1 Hr. Used 2000' WB

GTS 3 Min. WBTS 7 Min. Flowed 9800 MCF + 10.5 Bbls. dist. in

40 Min. Rec. 90' C&G below sub.

60 Min ISIP 5315# FP 2445-2534# 90 Min FSIP 5230#

Perf. 36/12,130 - 12,148', 8/12,158 - 12,160', 20/12,354 - 12,364',
40/12,374 - 12,394', 4/12,397 - 12,399' Natural