



November 21, 2001

State of New Mexico
Oil Conservation Division
2040 South Pacheco
Santa Fe, New Mexico 87505

NOV 29 2001

Attention: David Catanach:

RE: Energen Resources Corporation, Ogrid #162928
Application for Administrative Approval to Inject, Expansion of Project #WFX-581
Langlie Lynn Queen Unit, Wells #3, 5, 7, 9, 12, 14, 16 & 18
Lea County, New Mexico

Dear Mr. Catanach:

Energen Resources Corporation applied for an Administrative Authority to Expand its existing Injection Permit #WFX-581 on April 14, 2000. After review of the application and attachments there was a list of issues requested from the OCD and addressed to our attorneys. The Raptor State A A/C 1 #97 well which is shown on the Table of Wells (1/2 Mile Area of Review) is incorrectly stated on the table and is not in the area of review for any of the wells applied for in the above listed application.

All other information you have requested on the attached list has been recorded on wellbore schematics or addressed by other information attached. If you should have any further questions regarding any of this information please feel free to contact me. We anxiously await approval of the referenced injection permits. Thank you.

Sincerely,

A handwritten signature in cursive script that reads "Sharon Hindman".

Sharon Hindman
Regulatory Analyst

cc: Scott Hall
Ken Gray

ISSUES: INT. WELLS

already permitted
for expected

clarify

"

1) #5 - Has been permitted by Order No. WFX-581
(Should amend this order.)

2) #7 - Has been permitted by Order No. WFX-581
(Should be amended.)

3) #12 - 2" casing - cemented in hole. Propose to run -
2 3/8" log. ?

4) #14 - Permitted by Order No. 2-4417 - ?

AOR WELLS:

ok 1) Langhe Lyn Queen Unit No. 2. I-22-23-36

update on 2) Langhe Lyn Unit No. 11 A-27-23-36
current status
& plans for future
Will has been TAD since 8-91.
Need to do something to this well. PA?

3) Coconino State A Alc-1 No. 6 A-22-23-36
No PA Schematic.

4) Raptor State A Alc-1 #97 F-22-23-36
Period 3500-3594 - 3086-3228
connect with formation? Langhe Matrix?

5) Coconino State AA No. 5 G-22-23-36
No PA Schematic

6) Coconino Lyn B-1 #2 A-26-23-36
No PA Schematic

Need

Need

- 7) HCU Exp. George Elk No. 4 I-27-23-36
No PA Schematic.
- 8) Lynn B-1 No. 1. (Anson) J-26-23-36E
Sugar casing set @ 41' - ?
Int @ 2873 - No cement top
- 9) Arco Hankford No. 3 D-25-23-36
No PA Schematic.
- 10) Arco - Sinclair A State 9 P-23-23-36
No PA Schematic

Volume on Cement
depths on Casing string

11) Arco Sinclair A State 1 I-23-23-36 -
No cement data on casing string

12) Reptor State A AC-1 # 26 G-23-23-36
No cement data on long string

Perforations
Formations

- 13) Reptor State A AC-1 # 27 F-23-23-36
OH- 2880-3670 -
format : hanging matrix ?
- 14) Clayton Whitson State A AC-1 No. 1 U-22-23-36
No PA Schematic.
- 15) Grace - State AA No. 3 H-22-23-36
No PA Schematic.
- 16) Erogen - Haystack Co. No. 23 - J-22-23-36
Drilling well - No data -

→
Symptoms
of log & present
status of well.

LANGLIE LYNN TABLE OF WELLS (1/2 Mile Area of Review)

LOCATION.

TD	Type	OPERATOR	LEASE & WELL	Letter Sec.	Twp	Range	Footage	Date Drilled	Address	Notes
3300'	P&A	Grace Petroleum	New Mexico "AA" State #6	A	22	T23S	R36E 990' FNL, 990' FEL	07/05/1973	P.O. Drawer 2358, Midland TX 79702	
3045'	O&G	Raptor Resources Inc.	State A A/C-1 #97	F	22	T23S	R36E 1980' FNL, 1980' FWL	10/27/1960	P.O. Drawer 2358, Midland TX 79702	
3774'	P&A	Grace Petroleum	New Mexico "AA" State #5	G	22	T23S	R36E 1980' FNL, 1980' FEL	07/22/1960	P.O. Drawer 2358, Midland TX 79702	
3630'	P&A	Grace Petroleum	New Mexico "AA" State #3	H	22	T23S	R36E 2310' FNL, 330' FEL	12/24/1959	P.O. Drawer 2358, Midland TX 79702	
3130'	G	Doyle Hartman	New Mexico "AA" State #1	H	22	T23S	R36E 1980' FNL, 660' FEL	06/15/1950	P.O. Box 10426, Midland TX 79701	
3765'	O&G	Energen Resources	Langlie Lynn Queen Unit #2	I	22	T23S	R36E 1980' FSL, 660' FEL	02/29/1960	-----	
3812'	P&A	Energen Resources	Langlie Lynn Queen Unit #1	J	22	T23S	R36E 1980' FSL, 1980' FEL	09/07/1960	-----	
		Lanexco Inc.	El Paso State #1	J	22	T23S	R36E		310 W. Wall, Midland TX 79701	Drill as injector
3843'	Drilling	Energen Resources	Langlie Lynn Queen Unit #23	J	22	T23S	R36E	Drilling	-----	
5095'	P&A	Clayton Williams Energy	New Mexico State A/C Unit #1	N	22	T23S	R36E 330' FSL, 2310' FWL	10/11/1930	Six Desta Drive Suite 3000, Midland TX 79705	Replace #10 producer
Drilling	Drilling	Energen Resources	Langlie Lynn Queen Unit #20	O	22	T23S	R36E 672' FSL, 1797' FCL	Drilling	-----	
3800'	P&A	Energen Resources	Langlie Lynn Queen Unit #10	O	22	T23S	R36E 640' FSL, 1650' FEL	06/12/1963	-----	Convert to injector
3800'	O&G	Energen Resources	Langlie Lynn Queen Unit #9	P	22	T23S	R36E 660' FSL, 330' FEL	04/12/1963	-----	
3426'	G	Gruy Petroleum Mgmt	Shell State #3	P	22	T23S	R36E 660' FSL, 660' FEL	04/14/1954	P.O. Box 14097, Irving TX 75014	
3595'	O&G	Raptor Resources Inc.	State A A/C-1 #98	B	23	T23S	R36E 660' FNL, 2310' FEL	12/05/1960	P.O. Box 160430, Austin TX 78716	
77'	O&G	Raptor Resources Inc.	State A A/C-1 #73	C	23	T23S	R36E 660' FNL, 1980' FWL	11/22/1959	P.O. Box 160430, Austin TX 78716	
39'	O&G	Raptor Resources Inc.	State A A/C-1 #65	D	23	T23S	R36E 660' FNL, 760' FWL	08/26/1959	P.O. Box 160430, Austin TX 78716	
3587'	O&G	Raptor Resources Inc.	State A A/C-1 #72	E	23	T23S	R36E 1980' FNL, 660' FWL	11/15/1959	P.O. Box 160430, Austin TX 78716	
3670'	O&G	Raptor Resources Inc.	State A A/C-1 #27	F	23	T23S	R36E 1650' FNL, 1650' FWL	03/20/1949	P.O. Box 160430, Austin TX 78716	
3585'	O&G	Raptor Resources Inc.	State A A/C-1 #84	G	23	T23S	R36E 1980' FNL, 2310' FEL	03/07/1960	P.O. Box 160430, Austin TX 78716	
3148'	O&G	Raptor Resources Inc.	State A A/C-1 #26	G	23	T23S	R36E 1650' FNL, 1650' FEL	02/01/1949	P.O. Box 160430, Austin TX 78716	
3669'	O&G	Raptor Resources Inc.	State A A/C-1 #105	H	23	T23S	R36E 2080' FNL, 660' FEL	06/28/1964	P.O. Box 160430, Austin TX 78716	
3300'	G	Arco Permian	Sinclair A State #1	I	23	T23S	R36E 1650' FSL, 990' FEL	08/12/1949	P.O. Box 1710, Hobbs NM 88240	
3755'	O&G	Arco Permian	Sinclair A State #5	I	23	T23S	R36E 1980' FSL, 660' FEL	02/01/1962	P.O. Box 1710, Hobbs NM 88240	Continue injection
3734'	Inj.	Energen Resources	Langlie Lynn Queen Unit #5	J	23	T23S	R36E 1980' FSL, 1980' FEL	11/17/1960	-----	
3751'	O&G	Energen Resources	Langlie Lynn Queen Unit #4	K	23	T23S	R36E 1650' FSL, 2310' FWL	11/03/1960	-----	Return to injection
3791'	Inj.	Energen Resources	Langlie Lynn Queen Unit #3	L	23	T23S	R36E 1980' FSL, 660' FWL	10/10/1960	-----	
3711'	O&G	Energen Resources	Langlie Lynn Queen Unit #8	M	23	T23S	R36E 660' FSL, 660' FWL	01/30/1963	-----	
3550'	G	Arco Permian	Sinclair A State #10	M	23	T23S	R36E 990' FSL, 990' FWL	03/24/1990	P.O. Box 1710, Hobbs NM 88240	
3800'	Inj.	Energen Resources	Langlie Lynn Queen Unit #7	N	23	T23S	R36E 660' FSL, 1980' FWL	11/25/1962	-----	Return to injection
3728'	O&G	Energen Resources	Langlie Lynn Queen Unit #6	O	23	T23S	R36E 660' FSL, 1980' FEL	12/21/1962	-----	
3750'	P&A	Arco Permian	Sinclair A State #9	P	23	T23S	R36E 660' FSL, 660' FEL	12/30/1963	P.O. Box 1710, Hobbs NM 88240	
3776'	O&G	Raptor Resources Inc.	State A A/C-1 #107	L	24	T23S	R36E 1980' FSL, 660' FWL	07/26/1964	-----	
3750'	P&A	Arco Permian	Lankford #3	D	25	T23S	R36E 660' FNL, 660' FWL	05/08/1981	P.O. Box 1710, Hobbs NM 88240	
3800'	O&G	Rhombus Operating	Lankford #4	E	25	T23S	R36E 1650' FNL, 330' FWL	01/16/1985	200 N. Loraine Suite 1270, Midland TX 79701	
3270'	G	Conoco	Lynn B-1 #17	A	26	T23S	R36E 810' FNL, 660' FEL	05/28/1996	10 Desta Drive Suite 100W, Midland TX 79705-4500	
~350'	P&A	Conoco	Lynn B-1 #2	A	26	T23S	R36E 990' FNL, 990' FEL	03/31/1948	10 Desta Drive Suite 100W, Midland TX 79705-4500	
~120'	Inj.	Energen Resources	Langlie Lynn Queen Unit #14	A	26	T23S	R36E 660' FNL, 660' FEL	09/25/1974	10 Desta Drive Suite 100W, Midland TX 79705-4500	
3700'	O&G	Energen Resources	Langlie Lynn Queen Unit #13	B	26	T23S	R36E 660' FNL, 1980' FEL	08/11/1963	-----	Return to injection
3385'	G	Conoco	Lynn B-1 #3	C	26	T23S	R36E 660' FNL, 1980' FWL	04/23/1963	-----	
3750'	O&G	Energen Resources	Langlie Lynn Queen Unit #12	C	26	T23S	R36E 660' FNL, 1650' FWL	04/03/1949	10 Desta Drive Suite 100W, Midland TX 79705-4500	Convert to injector
Loc.	Loc.	Energen Resources	Langlie Lynn Queen Unit #21	D	26	T23S	R36E 660' FNL, 660' FWL	06/10/1963	-----	Replace #17 producer
3725'	P&A	Energen Resources	Langlie Lynn Queen Unit #17	E	26	T23S	R36E 1980' FNL, 660' FWL	11/16/1964	-----	Convert to injector
3700'	O&G	Energen Resources	Langlie Lynn Queen Unit #16	E	26	T23S	R36E 1980' FNL, 1980' FWL	10/06/1965	-----	Convert to producer
3675'	TA	Energen Resources	Langlie Lynn Queen Unit #15	F	26	T23S	R36E 1980' FNL, 1980' FEL	03/06/1965	-----	
3614'	G	Conoco	Lynn B-1 #1	G	26	T23S	R36E 2310' FSL, 2310' FEL	01/31/1929	10 Desta Drive Suite 100W, Midland TX 79705-4500	Replace #19 producer
Loc.	Loc.	Energen Resources	Langlie Lynn Queen Unit #22	J	26	T23S	R36E 1832' FSL, 1980' FWL	Loc.	-----	Convert to injector
3725'	P&A	Conoco	Langlie Lynn Queen Unit #19	K	26	T23S	R36E 1980' FSL, 1980' FWL	02/16/1965	-----	
3710'	O&G	Energen Resources	Langlie Lynn Queen Unit #18	K	26	T23S	R36E 1980' FSL, 660' FWL	10/14/1965	-----	
3455'	G	Conoco	Lynn B-1 #4	L	26	T23S	R36E 990' FSL, 660' FWL	05/01/1949	10 Desta Drive Suite 100W, Midland TX 79705-4500	
3480'	G	Conoco	Lynn B-1 #7	M	26	T23S	R36E 990' FNL, 990' FEL	05/09/1948	10 Desta Drive Suite 100W, Midland TX 79705-4500	Convert to producer
3730'	Inj.	Energen Resources	Langlie Lynn Queen Unit #11	A	27	T23S	R36E 660' FNL, 660' FEL	07/16/1963	-----	
3550'	P&A	HCW Exploration	George Etz #4	A	27	T23S	R36E 660' FNL, 660' FEL	03/29/1949	P.O. Box 10585, Midland TX 79702	
3600'	O&G	Roca Petroleum	George Etz #6	I	27	T23S	R36E 1650' FSL, 990' FEL	02/27/1986	P.O. Box 10139, Midland TX 79702	
				P	27	T23S	R36E 660' FSL, 660' FEL			

ENERGEN RESOURCES, INC.

Langlie Lynn Unit #2

Lea County, NM

Current Conditions: 11/01/2001

Active Producer

Conductor:

None

Surface Casing:

8-5/8" 32# H-40, ST&C

@ 330' in 12-1/4" hole

Cemented to surface

W/275 sx Regular Neat

GL Elevation: 3391'

KB Elevation: 3400.6, 9.6' ACHF

Location: 1980' FSL, 660' FEL,

Sec 22, T-23-S, R-36-E

Spud: 02/20/1960

Completed: 02/29/1960

API No: 30-025-09379

Tubing Detail (Last Available)

#Jts	O.D.	Thread	Type	Weight	Grade	TLA	Tally Dated:
118	2 3/8"	8 rd	EUE	4.7	J-55	3710.96	04/06/2001

Rod Detail (Last Available)

#Rods	Length	Size/Type	Pump	Ponies	PR	PRL	Date Run:
145	3625	3/4" D		1-3/4" x 6'	1-1/4"x22'		04/06/2001
				2-3/4" x 8'			
			2"x1-1/2"x12' RWBC				

Intermediate Casing:

None

NOTE: Casing leak isolated from 570 to 72'. Repaired 10:00

TOC: 2768'

Perfs:

7 Rivers: 3590-3594' (02/60); 3510-16, 32-42, 65-73, 82-88 (90 degree phased JSPF 120 holes)(02/10/00)

7 Rivers: 3590-94'

Queen: 3626-30, 69-73, 85-91, 96-99'

3705-09, 13-16, 19-22, 28-32'

Top interval 4 JSPF, all others 2 JSPF

Frac W/ 27,000 gal lease oil + 1.5 ppg sand

PBD: Baffle @ 3741'

TD = 3765'

Production Casing:

5 1/2" 15.50# J-55 ST&C

@ 3761" in 7-7/8" hole

200 Sx Regular Cement + 4% gel

Note: 02/00-- Isolate csg leak, repair, add add'l 7 Rvrs perfs and return to production. Previously classified as T X A.

ENERGEN RESOURCES, INC.

Langlie Lynn Unit #11
Lea County, NM

Conductor:
None

Surface Casing:
7-5/8" 24# Smls, ST&C
@ 323' in 11" hole
Cemented to surface
W/200 sx Cmt + 4% gel

Intermediate Casing:
None

Production Casing:
4 1/2" 9.50# J-55 ST&C
@ 3730' in 6-3/4" hole
300 sx cement

Current Conditions: 11/05/2001
Active Producer

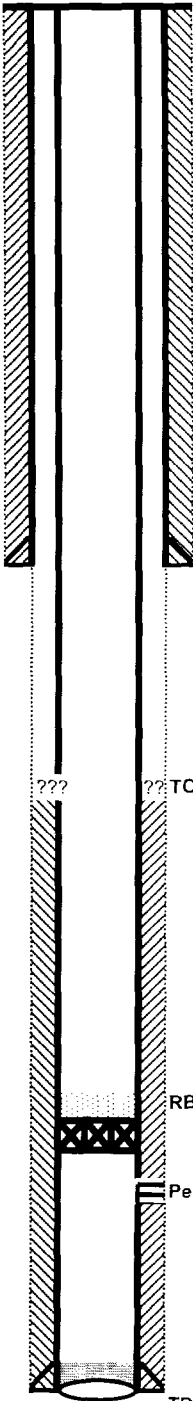
GL Elevation: 3376'
KB Elevation: 3386'
Location: 660' FNL, 660' FEL,
Sec 27, T-23-S, R-36-E
Spud: 07/09/1963 Completed: 07/16/1963
API No: 30-025-20521

Tubing Detail (Last Available)

#Jts	O.D.	Thread	Type	Weight	Grade	TLA	Tally Dated:
114	2-1/16"	10rd	IJ	3.25	J-55	3684	06/06/2001

Rod Detail (Last Available)

#Rods	Length	Size/Type	Pump	Ponies	PR	PRL	Date Run:
91	2275'	3/4" C used		1 KD-3/4" x 8			06/06/2001
7	175	3/4" KD used		1 KD-3/4" x 4			
47	1175	3/4" WCN "C"		1 KD-3/4" x 2	1-1/4 x 22'	-	
			1-1/2"x 1-1/4" x16' RWBC				



Casing leak: 322-354' Squeezed (8/91)

TOC: unknown

Circulated casing with Conoco Packer Fluid (8/91)

RBP @ 3452', capped with 2 sacks sand

(Could not get below 3403' with RBP)

(Inj Packer was set @ 3460')

Perfs: 3580-82, 84-86,
3602-04, 20-22, 41-42, 44-46, 56-58, 64-66,
3676-79, 86-88, 90-92, 96-98' (2-JSPF 7/63)
Frac: 40,000 gal lease oil + 60,000# sand (7/63)

TD = 3730'

Grace Petroleum Corporation

State of New Mexico A A/C-1 No. 6

Lea County, NM

GL Elevation: 3374'

KB Elevation: ?

Location: 990' FNL X 990' FEL

Unit A Sec 22, T-23-S, R-36-E

Current Conditions: 11/06/2001

Plugged & Abandoned

Spud: 06/16/1973

Completed: 07/05/1973

API No: ?

Conductor:

None

Surface Casing:

8-5/8" 20#, H-40 @ 331'

Hole Size: 12"

Cemented to surface

w/ 170 sx

Plug #4 Spotted 15 sx cmt @ surface

Cut off wellhead & installed marker

331'

Cmt Plug #3 331-240' w/ 35 sx cmt

Cmt Plug #2 381-330' w/ 35 sx cmt

Intermediate Casing:

None

Plugged 05/18/1979

TOC: Unknown

Plug #1 2500-2390' w/ 35 sx cmt

Cut 4-1/2" csg @ 2506' LD 75 Jts

CIBP @ 3000' (w/ 10 sx cmt on top)

Tansil-Yates-7 Rvrs Perfs: 3038-3149'

Production Casing:

4-1/2" 9.5#, J-55 @ 3293'

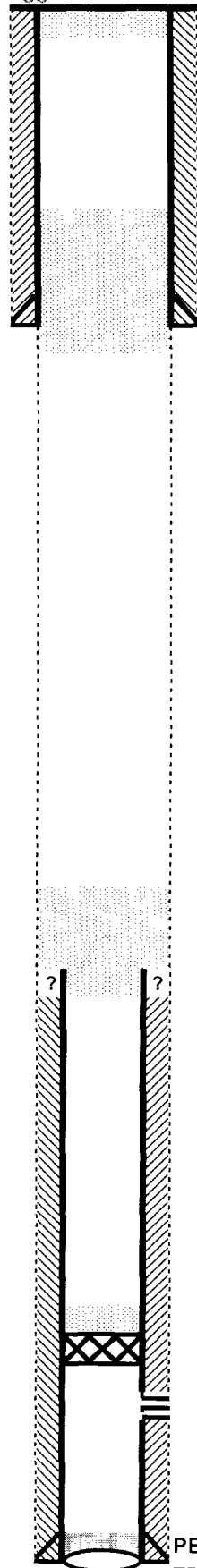
Hole Size: 7-7/8"

Cemented w/ 175 sx

TOC: Unknown

PBD: 3292'

TD: 3300'



Grace Petroleum Corporation

State of New Mexico AA No. 5

Lea County, NM

GL Elevation: ?

KB Elevation: 3391'

Location: 1980' FNL X 1980' FEL

Unit G Sec 22, T-23-S, R-36-E

Spud: 07/03/1960

Completed: 08/03/1960

API No: ?

Current Conditions: 11/06/2001

Plugged & Abandoned

Conductor:

None

Surface Casing:

8 Jts 7" 20#, @ 336'

Hole Size: 9-7/8"

Cemented to surface

w/ 200 sx w/ 5% Gel

Plug #3 7" csg spotted 15 sx cmt @ surface

Cut off wellhead and installed marker

336'

Plug #2 7" csg from 336-170' w/ 60 sx cmt

Intermediate Casing:

None

Plugged 05/15/1979

TOC: 2800' calculated

Plug #1 7" csg from 2600-2500' w/ 50 sx cmt

Cut 2-7/8" csg @ 2600' & POH LD 84 Jts

CIBP @ 3650' w/ 4 sx cmt on top

Seven Rvrs-Queen-Grayburg Perfs: 3678-3700; 3713-3721; 3729-3735

Production Casing:

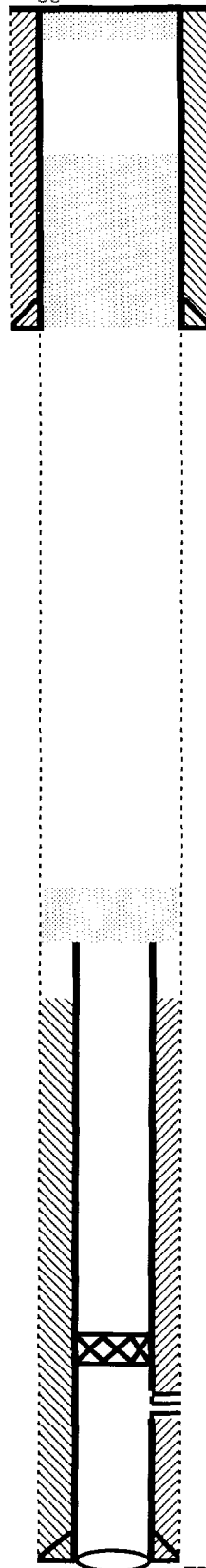
122 Jts 2-7/8" 6.5#, J-55 @ 3774'

Hole Size: 6-1/4"

Cemented w/ 200 sx + 4% Gel

TOC: 2800' calculated

TD = 3774'



Conoco

LYNN B-1 No. 2

Lea County, NM

GL Elevation: ?

KB Elevation: 3364'

Location: 990' FNL X 990' FEL

Unit A Sec 26, T-23-S, R-36-E

Spud: 03/10/1948

Completed: 03/31/1948

API No: ?

Current Conditions: 11/06/2001

Plugged & Abandoned

Conductor:

None

Surface Casing:

7-5/8" @ ??

Hole Size: Unknown

Cemented to surface

w/ 500 sx

Plug #3 5-1/2" csg from 96-0' w/ 10 sx cmt

Intermediate Casing:

None

Plugged & Abandoned 04/12/1977

Plug #2 5-1/2" csg from 1284-1150 w/ 25 sx cmt

TOC: Unknown

Production Casing:

5-1/2" @ 2784'

Hole Size: Unknown

Cemented w/ 500 sx

TOC: Unknown

Plug #1

Cmt retainer @ 2709' cmt plug from 2700-2497', quantity of cmt unknown

Original OH 2784-3350' Tansil-Yates-Seven Rvrs

12/62 Well deepened to 3675', set liner @ 3674', perf'd liner 2737-38, 2940-41 w/ 4 JSPF
Sqz'd through perms w/40 sx cmt, DO cmt from 2730-2942', resqz'd perms w/ 70 sx,
DO cmt to 2928, liner was collapsed. Unable to recomplete.

TD = 3675' (original TD 3350')

11/16/01

HCW EXPLORATION

George Etz No. 4

Lea County, NM

GL Elevation: ?

KB Elevation: DF 3380'

Location: 1650' FSL X 990' FEL

Unit I Sec 27, T-23-S, R-36-E

Spud: 03/05/1949

Completed: 03/29/1949

API No: ?

Current Conditions: 11/06/2001

Plugged & Abandoned

Conductor:

None

Surface Casing:

8-5/8" 32# @ 304'

Hole Size: 11'

Cemented to surface
w/ 150 sx

Plug #3 Opened 5-1/2" annulus & squeezed 200 sx

Plug #1 Cmt Ret set @ 286'. 5-1/2" x 8-5/8" annulus from 286-0' w/ 160 sx

304'

Plug #2 Sqz'd 500 sx cmt below reainer and spotted 35 sx on top of CR

Intermediate Casing:

None

Plugged & Abandoned 10/16/1984

TOC: Unknown

?

?

2-3/8" tubing parted @ 700'. Fished but could not go below 712'.
Tubing left in hole.

Production Casing:

5-1/2" 14# @ 2970'

Hole Size: 6-3/4"

Cemented w/ 400 sx

TOC: Unknown

TOL: 2908'

Original OH 2970-3550' Tansil-Yates-Seven Rvrs

Perfs: 3130-3140, 3165-3180, 3190-3205, 3220-3240, 3280-3290 (07/55)

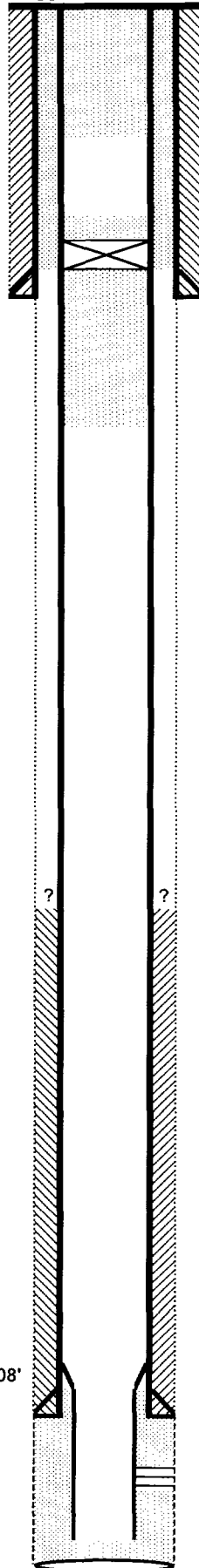
Production Liner: (07/55)

4-1/2" from 2908-3450'

cmt w/ 125 sx

Acidized: w/ 2000 gals

TD = 3550'



CONOCO

Lynn B-1 No. 1

Lea County, NM

Conductor:

20" @ 41'

Hole Size: 20"

Cement to Surface

w/ 76 sx

Intermediate Casing:

8-1/4" @ 2873'

Hole Size: Unknown

Cemented w/ 300 sx

TOC: Unknown

TOC: Unknown

Production Casing:

7" @ 3148"

Hole Size: Unknown

Cemented w/ 100 sx

TOC: Unknown

Current Conditions: 11/06/2001

Active Producer

GL Elevation: ?

KB Elevation: DF 3390'

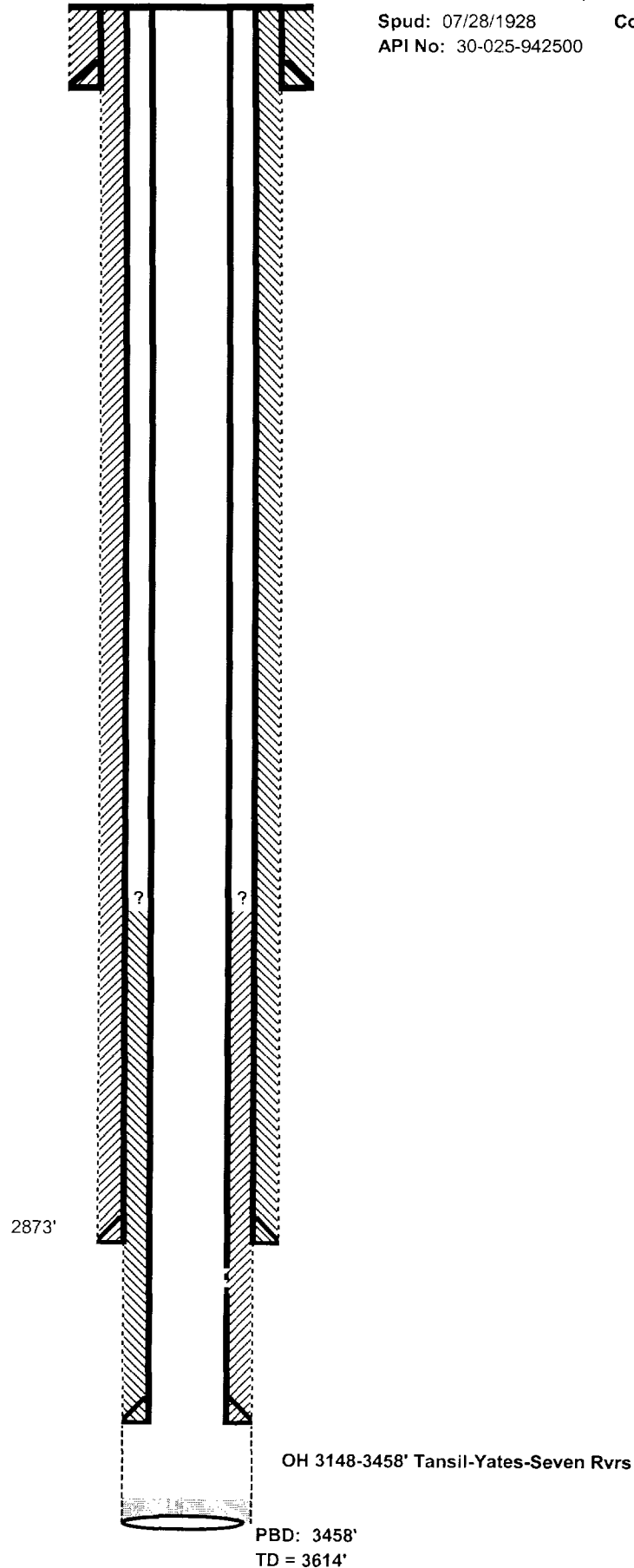
Location: 2310' FSL X 2310' FEL

Unit J Sec 26, T-23-S, R-36-E

Spud: 07/28/1928

Completed: 01/31/1929

API No: 30-025-942500



ARCO

Lankford No. 3
Lea County, NM

Conductor:
None

Surface Casing:
8-5/8" 24#, K-55 @ 1211'
Hole Size: 12-1/4"
Cemented to surface
w/ 850 sx Class "C" + additives
(circulated 160 sx)

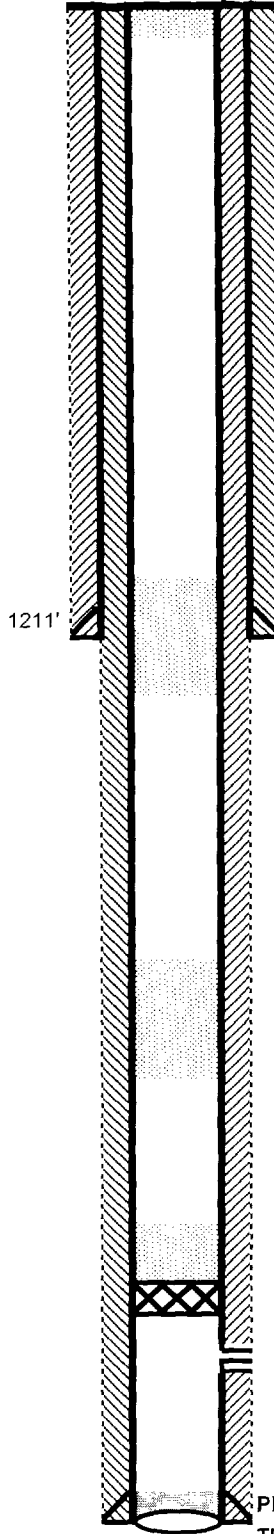
Intermediate Casing:
None

TOC: Unknown

Production Casing:
5-1/2" 15.5#, K-55 @ 3724'
Hole Size: 7-7/8"
Cemented w/ 850 sx
(circulated 140 sx)
TOC: Surface'

Current Conditions: 11/06/2001

Plugged & Abandoned



GL Elevation: 3364'

KB Elevation: ?

Location: 660' FNL X 660' FWL

Unit D Sec 25, T-23-S, R-36-E

Spud: 04/02/1981

Completed: 05/08/1981

API No: 30-025-27248

Plug #4 5-1/2" casing from 30-0' w/ 10 sx cmt

Installed dry marker.

Plugged 06/06/1989

Plug #3 5-1/2" casing from 1353-1106' w/ 25 sx cmt

Plug #2 5-1/2" casing from 2996-2635' w/ 35 sx cmt

Plug #1
CIBP @ 3385' w/ 25 sx cmt on top (TOC 3138')

Seven Rvrs-Queen Perfs: 3445, 50, 64, 70, 84, 88, 3504, 14, 20, 27, 32,
53, 59, 64, 70, 78, 87, 92, 3633, 42, 47, 52, 64

PBD = 3681'
TD = 3750'

ARCO PERMIAN

Sinclair A State No. 9

Lea County, NM

GL Elevation: ?

KB Elevation: 3379'

Location: 660' FSL X 660' FEL

Unit P Sec 23, T-23-S, R-36-E

Spud: 12/18/1963

Completed: 12/30/1963

API No: NA

Current Conditions: 11/06/2001

Plugged & Abandoned

Conductor:

None

Surface Casing:

8 Jts 8-5/8" 24#, J-55 @ 277'

Hole Size: 11"

Cemented to surface

w/ 150 sx Incor 50/50 Poz w/ CaCl2

277'

Plug #3 Pumped down 5-1/2" casing thru hole @ 550-0' w/ 200 sx cmt

Intermediate Casing:

None

Plugged 02/26/1988

TOC: Unknown

Plug #2 Cement Retainer set @ 620' squeezed from 700-590 w/ 150 sx
Dumped 30' on top

Hole in csg @ 700

?

?

Plug #1 4-1/2" csg from 3340-2900' w/ 50 sx

CIBP @ 3340' (w/ 50 sx cmt on top TOC=2900')

Seven Rvrs-Queen-Grayburg Perforations:

Perfs: 3385, 90, 93, 97, 3400, 10, 12, 14, 16, 19 (10 shots)(02/85)

CIBP @ 3460'

Perfs: 3480, 86, 91, 97, 3507, 16, 25, 34, 38, 46 (1 shot each) (09/70)

Perfs: 3591, 3605, 08, 12, 16, 23, 28, 35, 37 (12/63)

CIBP @ 3642'

Perfs: 3646-3654 (01/64)

Perfs: 3664-3668 (01/64)

Production Casing:

120 Jts 4-1/2" 9.5# @ 3750'

Hole Size: 7-7/8"

Cemented w/ 200 sx 50/50 Poz 4% gel
and 50 sx Regual Neat w/45 gal Latex

TOC: Unknown

TD = 3750'

ARCO PERMIAN

Sinclair A State No. 1
Lea County, NM

Current Conditions: 11/06/2001
Active Producer

Conductor:
None

Surface Casing:
10-3/4" 32.75# @ 225'
Hole Size: Unknown
Cemented to surface
w/ 200 sx

Intermediate Casing:
7-5/8" 26# @ 1235'
Hole Size: Unknown
cemented w/ 500 sx
TOC: Surface'

TOC: Unknown

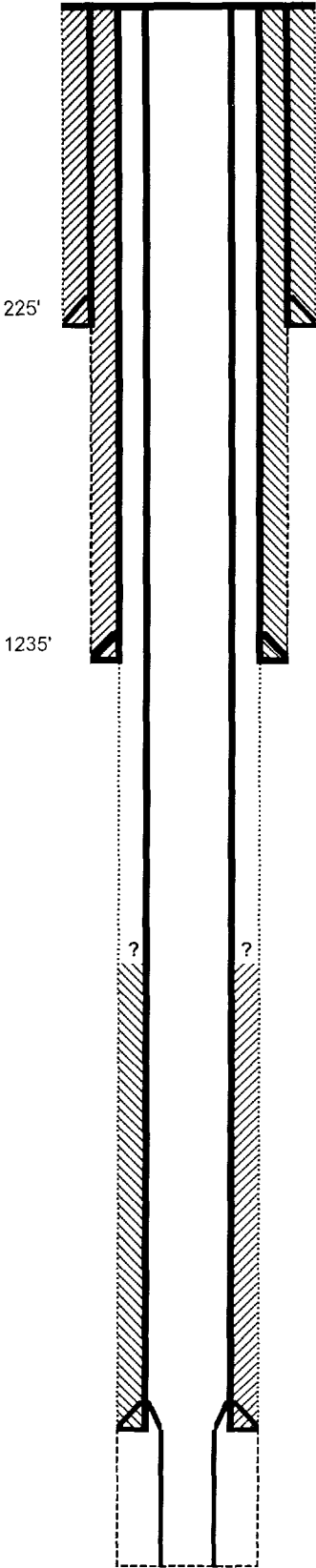
Production Casing:
5-1/2" 14# @ 2770'
Hole Size: Unknown
Cemented w/ 600 sx
TOC: Unknown

Production Liner: (09/19/97)
4-1/2" @ 3300'
cmt ??
TOL: 2695'

GL Elevation: ?
KB Elevation: ?
Location: 1650' FSL X 990' FEL
Unit I Sec 23, T-23-S, R-36-E
Spud: 07/23/1949 Completed: 08/12/1949
API No: 30-025-09386

Tubing Detail (Last Available)

#Jts	O.D.	Thread	TAC/Depth	Weight	Grade	TLA
	2-3/8"	na		na	na	2959'



OH 2770-3300' Tansil-Yates-Seven Rvrs

TD = 3300'

RAPTOR RESOURCES INC.

State of New Mexico A/AC-1 No. 26

Lea County, NM

Current Conditions: 11/07/2001

Shut In Producer

Conductor:

None

Surface Casing:

13-3/8" 32.4#, Naylor Spiral @ 283'

Hole Size: Unknown

Cemented to surface

w/ 350 sx

Intermediate Casing:

None

TOC: Unknown

Production Casing:

8-5/8" 28#, @ 2789'

Hole Size: Unknown

Cemented w/ 1200 sx

TOC: Unknown

GL Elevation: 3353'

KB Elevation: ?

Location: 1650' FNL X 1650' FEL

Unit G Sec 23, T-23-S, R-36-E

Spud: 12/15/1948

Completed: 02/01/1949

API No: 30-025-09392

283'

Repaired casing leak found at 1608-1610' (08/50)

?

?

OH 2789-3148' Tansil-Yates-Seven Rvrs

TD = 3148'

RAPTOR RESOURCES INC.

State of New Mexico A/AC-1 No. 27

Lea County, NM

GL Elevation: ?

KB Elevation: DF 3368'

Location: 1650' FNL X 1650' FWL

Unit F Sec 23, T-23-S, R-36-E

Spud: 03/05/1949

Completed: 04/01/1949

API No: 30-025-09393

Current Conditions: 11/07/2001

Active Producer

Conductor:

None

Surface Casing:

12-1/2" 50# @ 276'

Hole Size: 17"

Cemented to surface

w/ 350 sx

Intermediate Casing:

8-5/8" 28# @ 2880'

Hole Size: 11"

Cmt w/ 600 sx

TOC: Unknown

TOC: 2950'

Production Casing: (run 1958)

108 Jts 7" 23# & 20# @ 3663'

Hole Size: 7-7/8"

Cemented w/ 140 sx

TOC: 2950'

Tubing:

2" @ 2998' (gas string)

2" @ 3532' (oil string)

Jalmat Gas Perfs: 3002-3036, 3042-3054, 3064-3108, 3114-3124, 3156-3170, 3172-3186 (06/58)

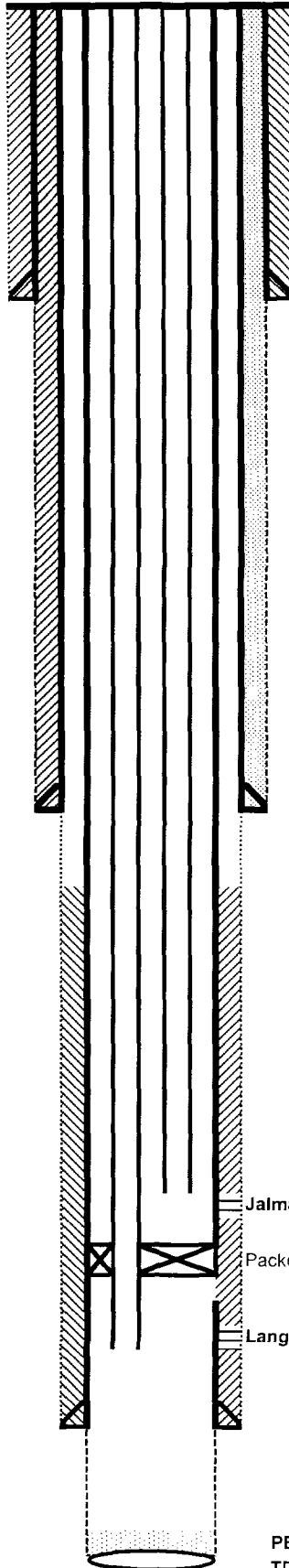
Packer @ 3220'

Langlie Mattix Oil Perfs: 3502-3513, 3538-3550 (06/58)

OH 2880-3653' Tansil-Yates-Seven Rvrs (original OH 2880-3260')

PBD: 3553'

TD = 3670' (Original TD 3260')



CLAYTON WILLIAMS ENERGY

State of New Mexico A A/C-1 No. 1

Lea County, NM

GL Elevation: 3413'

KB Elevation:

Location: 330' FSL X 2310' FWL

Unit N Sec 22, T-23-S, R-36-E

Spud: 01/08/1929

Completed: 06/05/1929

API No: 30-025-09381

Current Conditions: 11/07/2001

Plugged & Abandoned

Conductor:

None

Surface Casing:

9-5/8" @ ??

Cut csg 3' below GL and installed P X A marker

Intermediate Casing:

None

Cmt Plug #1 Perf'd 7" csg @ 370'(2 SFP). Pumped 130 sx Class "C" v
down 7" csg and up 7" x 0-5/8" annulus
(circulated 10 sx to surface)

Plugged & Abandoned 06/22/1993

TOC: Unknown

Production Casing:

7" 24#, Nat'l Seamless @ 4234'

Hole Size: Unknown

Cemented w/ 300 sx

TOC: Unknown

CIBP @ 3120' (w/ 35' cmt)

Tansil-Yates-7 Rvrs Perfs: 3155, 3275, 3530, 3560 (1929)

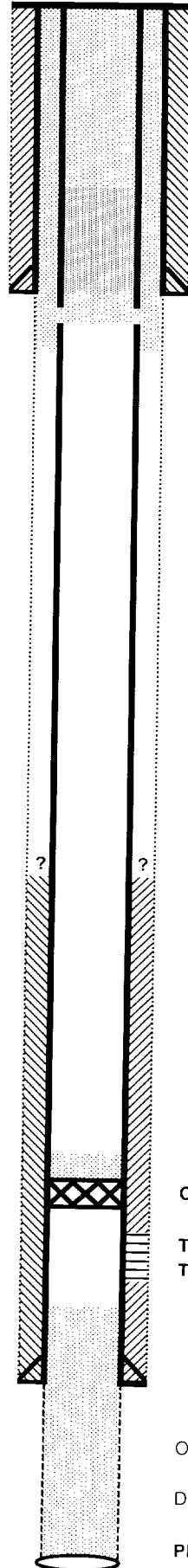
Tansil-Yates-7 Rvrs Perfs: 3465-3475; 3505-3515; 3550-3560; 3565

Originally 6-1/4" OH 4234-5095'

Drilled to 5095' casing set @ 4234' before being plugged back

PBD: 3620' (w/ 450 sx); 3085' (35' cmt on CIBP); 0' (cmt plug)

TD: 5095'



Grace Petroleum Corporation

State of New Mexico AA No. 3

Lea County, NM

GL Elevation: ?

KB Elevation: DF 3378'

Location: 2310' FNL X 330' FEL

Unit H Sec 22, T-23-S, R-36-E

Spud: 12/16/1959

Completed: 12/24/1959

API No: ?

Current Conditions: 11/07/2001

Plugged & Abandoned

Conductor:

None

Surface Casing:

7-5/8" 26.4# @ 328'

Hole Size: 9-7/8"

Cemented to surface

w/ 175 sx

Cmt Plug #3 7-5/8" Spotted 15 sx smt @ surface

Cut off wellhead & installed marker

Cmt Plug #2 7-5/8" casing from 378-220' w/ 60 sx cmt

328"

Intermediate Casing:

None

Cmt Plug #1 Set 100' cmt plug from 1600-1500" w/ 30 sx

TOC: Unknown

?

?

Cut off 2-7/8" csg @ 1900' but could not pull, cut off @ 1600' and POOH

Plugged 05/11/79

Production Casing:

2-7/8" 6.5# @ 3629'

Hole Size: 6-3/4"

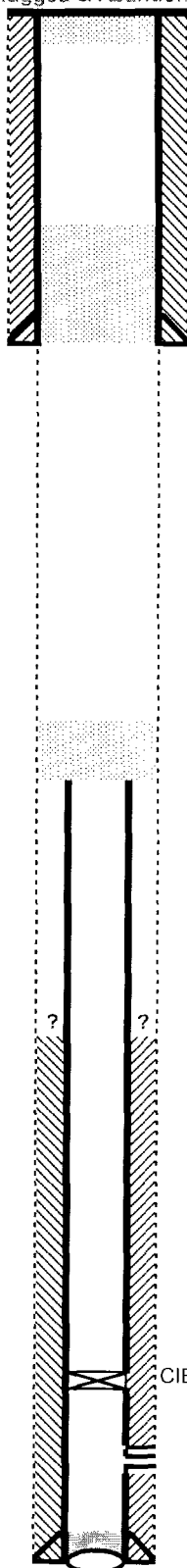
Cemented w/ 200 sx

TOC: Unknown

CIBP @ 2890' w/ 4 sx cmt on top

Sever Rvrs-Queen-Grayburg Perfs: 3613-3621

TD = 3630'



ENERGEN RESOURCES, INC.

Langlie Lynn Unit #23

Lea County, NM

Current Conditions: 11/07/2001

Conductor:

None

Surface Casing:

8 Jts 8-5/8" 24#, J-55, ST&C

@ 338' in 12-1/4" hole

Cemented to surface

W/225 sx"C" + 2% CaCl₂

Intermediate Casing:

None

Production Casing:

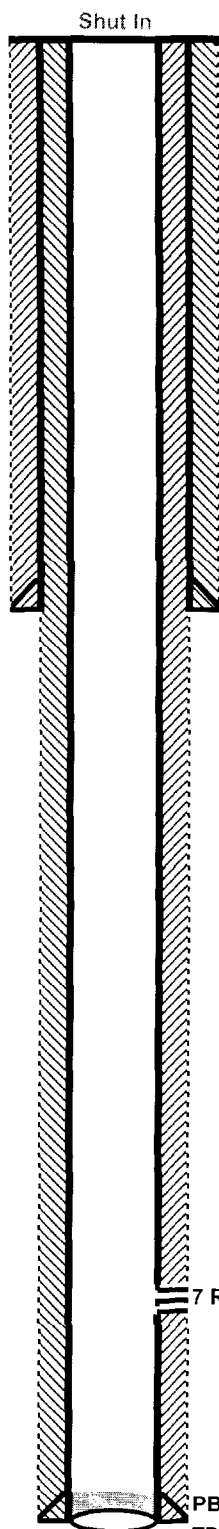
90 Jts 5 1/2" 15.50# J-55 LT&C

@ 3842' in 7-7/8" hole

600 sx 50/50 Poz "C" + 10% gel, 5% salt

FB 225 sx 50/50 Poz "C" + 5% salt

Cement Circulated



GL Elevation: 3387'

KB Elevation: 3399'

Location: 1863' FSL X 1950' FEL

Unit J Sec 22, T-23-S, R-36-E

Spud: 02/13/2000

Completed:

API No: 30-025-34919

07/11/00: Installed 5-1/2" collar, 5-1/2" x 2" csg swage & 2' ball valve

Pumped 100 bbls of filtered 2% KCL water W. 2% of Chem-Hib-370.

Well T X A'd 07/10/2000

7 Rvrs-Queen Perfs: 3626, 28, 36, 38, 40, 64, 66, 68, 82, 85, 98, 3706, 22, 24, 26
3728, 32, 34, 40, 48, 50, 63, 65, 67, 80, 90, 92, 96, 98
(120 degree phased JSPF 87 holes over the 29 intervals)

PBD:

TD = 3842'

ENERGEN RESOURCES, INC.

Langlie Lynn Unit #12
Lea County, NM

Conductor:
None

Surface Casing:
7-5/8" 24# H-40, ST&C
@ 330' in 11" hole
Cemented to surface
W/200 sx 50/50 Pozmix

Intermediate Casing:
None

Slim Hole String: (10/80)
2-7/8" tubing @ 3748'
Cemented to surface with 545 Sx "C"

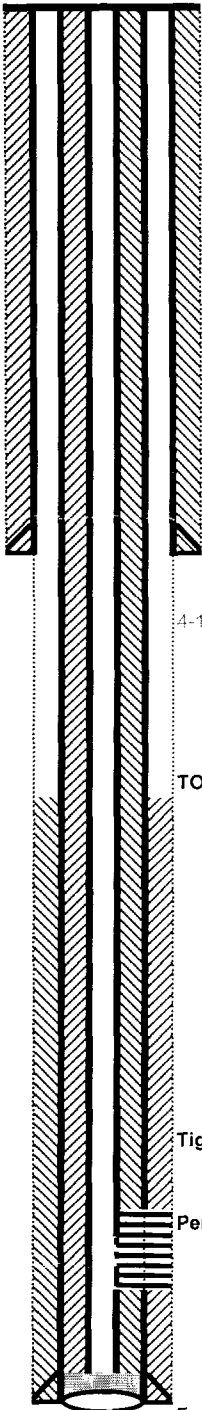
Production Casing:
4 1/2" 9.50# J-55 ST&C
@ 3750' in 6-3/4" hole
300 sx Regular cement

Current Conditions: 10/30/2001
Active WIW

GL Elevation: 3368'
KB Elevation: 3378'
Location: 660' FNL, 660' FWL,
Sec 26, T-23-S, R-36-E
Spud: 05/30/1963 Completed: 06/18/1963
API No: 30-025-20052

Tubing Detail (Last Available)							
#Jts	O.D.	Thread	TAC/Depth	Weight	Grade	TLA	Tally Dated:
107	2-1/16"	10 rd		3.25	J-55	3373.35	04/27/2000

Packer Detail (Last Available)							
			Packer Type		Depth	Date Run:	
			1.05" NU 10 rd x 2-7/8" NP Arrow Set 1-X		approx 3366	04/27/2000	



4-1/2" casing runs from 580-1300'

TOC: 2100' by TS

Tight Spot @ 3416' in 2-7/8" casing

Perfs: 3446-54, 3496-3504, 3512-18 (04/00) (120 degree phased JSPF--66 holes)
3548-50, 64-66, 82-84,
3605-07, 08-10, 16-18, 24-26, 28-30, 42-44,
3648-50, 53-55, 59-61, 66-68, 80-82'
(Perfed 11/62, Re-perfed 10/80)
3642-82' (Re-perf 3/88, 18 holes)

Frac: 25,000 gal lease oil + 37,500# sand (11/62)

PBD: 3657' (perforating strip left in hole-unable to fish)
TD = 3750'

Nolte 04/00-- Convert well to WIW from producer.
Added add'l 7 Rvrs Queen perfs from 3446-3518'.