

SUPPORTING DOCUMENTS

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN 1 INDICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.
5. LEASE DESIGNATION AND SERIAL NO.

Las Cruces 032544

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Max Friess - Federal

9. WELL NO.

21

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 19-T. 17S.-R. 3E.

12. COUNTY OR PARISH

Eddy

13. STATE

New Mexico

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

FREN OIL COMPANY El Paso Natl Bank Bldg., Suite 9-P, El Paso, Texas

3. ADDRESS OF OPERATOR

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

SW SW Sec. 19-17S.-3E., N.M.P.M.

3350/E

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, OR, etc.)

3579 ft. S.L.

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) **cement intermediate string**

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

4-2-1965 - Drilled to 3196 ft. - ran 3190 ft. of 9 5/8" O.D. J-55 SMS 36" Range 2 casing - cemented 300 cu.ft. Pozmix Cement mixed 1:1 consisting of: 150 Lone Star Inscr 150 Pozmix S 5 Halliburton-Gal allowed 2% with 100 cu.ft. 5 Anhydrous Calcium Chloride mixed 2% with 300 cu.ft. with mud circulated to surface. Let set 24 hours.

RECEIVED

APR 13 1965

O. C. C.
ARTESIA, OFFICE

RECEIVED

APR 12 1965

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

18. I hereby certify that the foregoing is true and correct

SIGNED

Max Enginger

TITLE

Member of Partnership

DATE

4-8-1965

(This space for Federal or State office use)

APPROVED BY
CONDITIONS

APPROVED

TITLE

DATE

APR 12 1965

APPROVED

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

FORM APPROVED

49

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☐ Other W/W

b. TYPE OF COMPLETION:

NEW WELL ☐MODIFIED OVER ☒DEEP-EN ☐PLUG BACK ☐DIFF. RESVR ☐

Other -----

2. NAME OF OPERATOR

DEVON ENERGY CORPORATION (NEVADA)

3. ADDRESS AND TELEPHONE NO.

20 N. BROADWAY, SUITE 1500, OKC, OK 73102-8260 (405) 235-3611

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 1650' FSL & 660 FWL

At top prod. interval reported below (SAME)

At total depth (SAME)

5. LEASE DESIGNATION AND SERIAL NO.
LC-029395-B

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

Turner "B" #67

9. API WELL NO.

30-015-05300

10. FIELD AND POOL, OR WILDCAT

Grayburg Jackson

11. SEC., T., R., N., OR BLOCK AND SURVEY OR AREA

Sec. 20-17S-31E

14. PERMIT NO.

DATE ISSUED

12. COUNTY OR PARISH

Eddy County

13. STATE

NM

15. DATE SPUDDED

3/3/97

16. DATE T.D. REACHED

17. DATE COMPL. (Ready to prod.)

3/27/97

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

3625' GL

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

7223'

21. PLUG, BACK T.D., MD & TVD

6900'

22. IF MULTIPLE COMPL.,

RECEIVED

23. INTERVALS

DRILLED BY

ROTARY TOOLS

X

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

Injection interval: 3427'-3518'; Grayburg - Lovington 2753'-3298'

APR 21 '97

25. WAS DIRECTIONAL SURVEY

MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

CBL

BLM

ROSWELL, NM

27. WAS WELL CORED

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

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
13 3/8"	48	470'	17 1/2"	Surf, 525 sxs cmt	None
8 5/8"	24 & 32	3800'	11"	1010', 900 sxs	None
5 1/2" J-55	15.50	3696'	7 1/2"	Surf, 300 sxs Cl "C" + 200 sxs Cl "H" w/10% Gypsum	None

29. LINER RECORD

29. RIVER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4 1/2"	3697'	7221	910 sxs		2 3/8"	2690'	2695'

31. PERFORATION RECORD (Interval, size and number)

Middle Jackson 3427'-3518' 12-.47" holes

Grayburg - Lovington 2753'-3298' 46-.49" holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3427'-3518'	Acidized w/1200 gals 15% HCl acid + 2000# rock salt.
3031'-3298'	Acidized w/2700 gals 15% HCl acid + 3000# rock salt.
2753'-2965'	Acidized w/1900 gals 15% HCl acid + 3000# rock salt.

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTIONS METHOD 1 (Flowing, gas lift, pumping—size and type of pump)						WELL STATUS (Producing or shut-in)	
3/28/97								Injecting	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'M FOR TEST PERIOD	OIL-BBL.	GAS-MCF.	WATER-BBL.	GAS-OIL RATIO		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL-BBL.	GAS-MCF.	WATER-BBL.	OIL GRAVITY-API (CORR.)			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)									

35. LIST OF ATTACHMENTS

Logs

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Karen ByersKAREN BYERS BLM
TITLE ENGINEERING TECHNICIANDATE 4/15/97

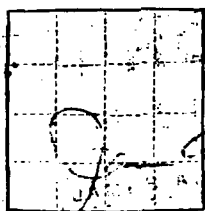
*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office **Las Cruces**
Lease No. **029395 (b)**
Unit **Turner #5 SP**



SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

June 21, 1960

Well No. **67** is located **1650** ft. from **S** line and **660** ft. from **W** line of sec. **20**

SW/4, Sec 20
(1/4 Sec. and Sec. No.)

17E
(Twp.)

1E
(Range)

100W
(Meridian)

Undesignated
(Field)

Edgar
(County or Subdivision)

New Mexico
(State or Territory)

The elevation of the derrick floor above sea level is ft.

DETAILS OF WORK

(State names of and expected depths of objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

13-3/8" CD Casing set at 470' & cement circulated to surface.

8-5/8" CD Casing set at 3000' w/900 lbs cement. Top of cement behind casing at 1010'.

PROPOSE TO: Set 4-1/2" CD liner from 3700' to total depth of approximately 7100' and circulate cement. (This 4-1/2" liner to be set in place of full string of 4-1/2" casing as approved on original drilling request.)

RECEIVED
JUL 1 1960
D. E. C.
OFFICE

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **Simclair Oil & Gas Company**

Address **520 E Broadway**

Hobbs, New Mexico

By

Title **Dist. Mgt.**

Original: USGS; cc HFD, M, File

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ gas ☐ other ☐
well well

2. NAME OF OPERATOR ARCO Oil & Gas Company
Division of Atlantic Richfield Co. ✓

3. ADDRESS OF OPERATOR
P. O. Box 1710, Hobbs, New Mexico 88240

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 660' FSL & 560' FWL Unit M
AT TOP PROD. INTERVAL: as above
AT TOTAL DEPTH: as above

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) ☐

SUBSEQUENT REPORT OF:

☐
☒
☐
☒
☐
☐
☐
☐

RECEIVED
JUL 9 1981

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Rig up on 5/20/81, POH w/rods & pump, install BOP, POH w/tbg. CO csg to 3224' PBD. Ran Vertilog, GR-CBL. TOC @ 2351'. RIH w/RBP set @ 3000'. Perf'd 5½" csg w/2 JSPF 2331-32'. RIH w/pkr, spot 3 sx sd on top of RBP. Set pkr @ 2258'. Pmpd down tbg w/2 BPM 1200 psi, no circ between 8-5/8" x 5½" csg annulus. POH w/pkr. Set cmt retr @ 2290'. Squeezed perfs 2331-32' w/300 sx Cl C cmt'g 6% gel, ½# flocele, followed by 300 sx Cl C cmt cont'g 2% CaCl₂. WOC. Ran temp survey. TOC @ 1400'. Ran 3-4/" tbg in 8-5/8" x 5½" annulus to 360'. Cmt'd thru 3/4" tbg, w/150 sx Cl H cmt, circ cmt to surf. RIH w/bit, drld cmt retr @ 2290' & cmt to 2375'. Press tested csg to 800# for 30 mins, OK. Circ sd off BP, POH w/BP. RIH w/pkr & CIBP, set BP @ 3177', pkr @ 2975', spot 500 gals 15% NEFE acid across perfs 3148-63'. Frac w/3000 gals base gel 30,000 gals Titan XL/3 & 44,000# sd in 2 equal stages using BP & pkr to treat perf'd intervals 3062-3078', 3148-3163' separately. On 6/10/81 swbd 7 hrs, rec 133 BFW, 5% oil; FL @ 2472' during swbg. Rel pkr & circ sd off BP @ 3177'. RIH w/comp assy. Set 2-3/8" tbg @ 2995'. RIH w/rods & pump. On test 6/15/80 pmpd 3 BO, 97 BW. Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Peter W. Schmidt TITLE Dist. Dir. Supt. DATE 6/30/81

ACCEPTED FOR RECORD

PETER W. CHESTER

APPROVED BY _____
CONDITIONS OF APPROVAL IF ANY: _____

JUL 13 1981

U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

See instructions on Reverse Side

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

C/SF

Form C-103
Revised March 25, 1999

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-015-05310
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other WIW <input checked="" type="checkbox"/>		5. Indicate Type of Lease FEDERAL <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator Devon Energy Production Company, L.P.		6. State Oil & Gas Lease No. LC-029395-B
3. Address of Operator 20 N. Broadway, Suite 1500 Oklahoma City, OK 73102-8260		7. Lease Name or Unit Agreement Name: Turner "B"
4. Well Location Unit Letter <u>F</u> : <u>1,650'</u> feet from the <u>North</u> line and <u>1,650'</u> feet from the <u>West</u> line Section <u>20</u> Township <u>17S</u> Range <u>31E</u> NMPM County <u>EDDY</u>		8. Well No. 41
10. Elevation (Show whether DR, RKB, RT, GR, etc.) GR=3,634'		9. Pool name or Wildcat Grayburg-Jackson Field

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data	
NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPLETION <input type="checkbox"/> OTHER: <input type="checkbox"/>	SUBSEQUENT REPORT OF: REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> PLUG AND ABANDONMENT <input type="checkbox"/> CASING TEST AND CEMENT JOB <input type="checkbox"/> OTHER: Shut off water flow <input checked="" type="checkbox"/>

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.

01/31/01 - RIH with bit and scraper, clean out wellbore to 1,900'. RIH with RBP and set at 1,850', cap RBP with sand.
02/01/01 - Perforate casing at 1,750' (4 shots). RIH with packer and workstring. Establish injection rate into perforations.
02/02/01 - RIH with cement retainer and set at 1,675'. Pump 750 sxs Class "H" below retainer. WOC. Run CBL, TOC at 1,450'.
02/07/01 - Perforate casing at 1,430' (4 shots). Established injection rate into perforations. Pumped 80 bbls, no returns to surface.
02/08/01 - RIH with Retainer and set at 1,363'. Pump 500 sxs Class "C" below retainer. WOC. Run CBL, no cement above 1,450'.
02/13/01 - Perforate casing at 540' (4 shots). Establish injection rate into perforations, had good returns to pit.
02/14/01 - Pump 130 sxs Class "C" and displace to 500', had good cement to pits. WOC.
02/16/01 - Drill out cement to 540'. Pressure tested squeeze holes, did not test.
02/19/01 - Drill out retainer at 1,363' and cement to 1,470'. Clean out wellbore to 1,580' with bit and scraper.
02/21/01 - RIH with retainer and set at 1,363'. Pump 200 sxs Class "H" below retainer. Stung out of retainer reversed tubing clean.
02/23/01 - Tied into casing and established an injection rate into perforations at 540'. Pump 150 sxs Class "C" and displaced to 500'.
02/26/01 - Drill out cement and tested squeeze holes at 540', holes tested good. Circulate hole clean.
03/01/01 - Drilled out retainer at 1,363' and cement to 1,557'. Pressure tested squeeze holes at 1,430' to 480 psi, tested good.
03/06/01 - Drilled out retainer at 1,675' and cement to 1,787'. Pressure tested squeeze holes at 1,750' to 480 psi, tested good.
03/07/01 - RIH and retrieve RPB at 1,850'. Clean out wellbore to 3,406' with bit and scraper. RIH with injection packer and tubing. Pressure test casing to 340 psi, run chart for OCD. Ready to return to injection.

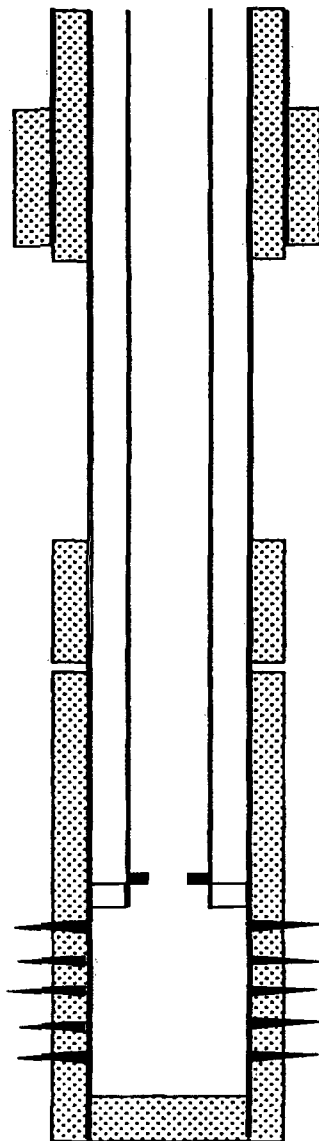
I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Charles H. Carleton TITLE Sr. Engineering Technician DATE March 8, 2001
Type or print name Charles H. Carleton Telephone No. (405) 552-4528
(This space for State use)

APPROVED BY Record Only TITLE _____ DATE _____
Conditions of approval, if any:

DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

WELL NAME: TURNER "B" #41			FIELD: GRAYBURG-JACKSON			
LOCATION: 1650'FNL & 1650'FWL, SEC 20-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3634'; KB=UNK			SPUD DATE: 05/14/53		COMP DATE: 07/06/53	
API#: 30-015-05310		PREPARED BY: C.H. CARLETON			DATE: 07/13/01	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 532'	9 5/8"	25.45#			12 1/2"
CASING:	0' - 3451'	5 1/2"	15.5#			8"
CASING:						
TUBING:	0' - 2543'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



☒ CURRENT
 ☐ PROPOSED

OPERATOR: DEVON ENERGY CORPORATION (NEVADA)

9 5/8" CASING @ 532' W/50 SXS. TOC @ 440' (calculated)

PERF & SQUEEZE @ 540' WITH 280 SXS.

PERF & SQUEEZE @ 1430' WITH 700 SXS.

PERF & SQUEEZE @ 1750' WITH 750 SXS. TOC @ 1450'(CBL).

DETAIL OF PERFORATIONS

U.GRAYBURG: 2706', 12', 15', 28', 30', 38', 40', 42'

LOCO HILLS: 2786', 94', 96'

METEX: 2832', 34', 46', 48', 58', 60'

L.GRAYBURG: 2896', 98', 2918', 20'

PREMIER: 2955'-66' (4 SPF), 2972'-80' (4 SPF), 2990', 92', 3007', 10', 3012', 14'

VACUUM: 3044', 48', 57', 86', 3106', 08'

M.JACKSON: 3290'-3306' (6 SPF), 3343'-48' (6 SPF), 3353'-58' (6 SPF), 3366'-77' (6 SPF), 3400'-08' (6 SPF)

SEAT NIPPLE @ 2543'

JOHNSON 101-S PACKER @ 2544'

PERFORATIONS: 2706'- 3408' (OA) - 385 HOLES

PBTD @ 3411'

5 1/2" CASING @ 3451' W/275 SXS. TOC @ 1800' (CBL)

TD @ 3455'

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN
(Other Instr.
verse side)PLICATE*
ns on reCopy 457
Form approved.
Budget Bureau No. 42-R142

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> Plug & Abandon		5. LEASE DESIGNATION AND SERIAL NO. LC 031844	
2. NAME OF OPERATOR Atlantic Richfield Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR P. O. Box 1710, Hobbs, New Mexico 88240		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 2310' FWL & 2310' FSL (Unit letter K)		8. FARM OR LEASE NAME Fren Oil Company	
14. PERMIT NO.		9. WELL NO. 8	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 3613' DF		10. FIELD AND POOL, OR WILDCAT Grayburg Jackson	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 19-17S-31E	
		12. COUNTY OR PARISH Eddy	
		13. STATE N.M.	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐Plug & Abandon ☒

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting and proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Rigged up on 3/21/76, installed BOP. POH w/2716' of 2-3/8" OD EUE tbg & pkr. RIH w/4 1/2" CIBP & set @ 2710'. Spotted 4 sx Cl H cmt (35') on top of CIBP. Checked top of cmt plug @ 2675'. Stretched 4 1/2" csg, free point indicated @ 170'. No casing pulled. WIH to 605' w/deep penetrator gun & perforated 4 1/2" & 7" csg w/4 JSPF @ 605'. POH w/perforator. Installed 4 1/2" swage & pumped in 3 BFW. RIH w/4 1/2" cmt retr, set retr @ 400'. Pumped 85 sx Cl C cmt thru retr & perfs @ 605', no squeeze. PO of retr & spott 4 sx Cl C cmt on top of retr (50' plug). Pulled up hole & spotted 5 sx Cl C cmt @ surface, installed regulation dry hole marker. Clean & leveled location in accordance w/USGS & BLM stipulations. P&A eff 3/24/76. Final Report. Your office to be notified when location is ready for inspection.

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature]TITLE Dist. Drlg. Supv.DATE 4/1/76

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED
APR - 5 1976
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO
Postea

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

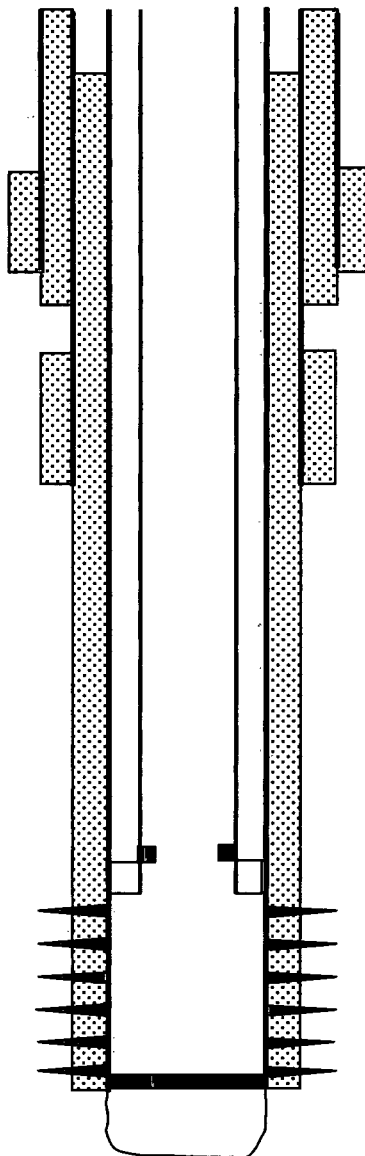
WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other _____		1b. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input checked="" type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____	
2. NAME OF OPERATOR FREN OIL COMPANY			
3. ADDRESS OF OPERATOR Suite 900 913 El Paso National Bank Bldg., El Paso, Texas 79901			
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 2970 ft. from West Line and 2310 ft. from South line At top prod. interval reported below Sec. 19-17S.-31E., Eddy County, N.M. At total depth 3615 ft.			
14. PERMIT NO.		DATE ISSUED 2-7-1964	
15. DATE SPUDDED 4-12-1964	16. DATE T.D. REACHED 4-26-1964	17. DATE COMPL. (Ready to prod.) 4-30-1964	18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 3613' DF
19. ELEV. CASINGHEAD 3611'	20. TOTAL DEPTH, MD & TVD 3615'		21. PLUG BACK T.D., MD & TVD
22. IF MULTIPLE COMPL., HOW MANY*			23. INTERVALS DRILLED BY ROTARY TOOLS
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 2693' to 3593'—Grayburg-Jackson - San Andres			25. WAS DIRECTIONAL SURVEY MADE no
26. TYPE ELECTRIC AND OTHER LOGS RUN Acoustic Velocity Log			27. WAS WELL CORRED no
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
8-5/8"	24	505'	12"
7"	20	1792	8 1/2"
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
1 1/2"		3578	465
30. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
2-3/8"	2715'	2710'	
31. PERFORATION RECORD (Interval, size and number)			
2755-2785	16 jet shots		
2834-2885	11 " "		
2911-2979	26 " "		
3373-3384	12 " "		
3554-3562	16 " "		
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
2755-2785 - 250	gals. acid 150 lbs. sand-oil frac.		
2834-2913 - 500	" " 100 " " " "		
2913-2979 - 500	" " 100 " " " "		
3373-3384 - 1000	" " " " " "		
3554-3562 - 1000	" " " " " "		
33. PRODUCTION RECORD			
DATE FIRST PRODUCTION April 30, 1964	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing		WELL STATUS (Producing or shut) producing
DATE OF TEST 4-28-1964	HOURS TESTED 24	CHOKE SIZE 1/2"	PROD'N. FOR TEST PERIOD 53
FLOW. TUBING PRESS. 150 #	CASING PRESSURE packer	CALCULATED 24-HOUR RATE 53	OIL—BBL. 53
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) sold to Skelly Oil Company		GAS—MCF. not tested	
35. LIST OF ATTACHMENTS 4 copies of Welox Acoustic Velocity Log			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED [Signature]		TITLE Member of Partnership	
DATE May 13, 1964			

*(See Instructions and Spaces for Additional Data on Reverse Side)

MERIT ENERGY COMPANY WELLBORE SCHEMATIC

WELL NAME: FREN OIL COMPANY #8			FIELD: GRAYBURG-JACKSON			
LOCATION: 2310'FSL & 2970'FEL, SEC 19-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=UNK; KB=UNK			SPUD DATE: 11/27/46		COMP DATE: 12/28/46	
API#: 30-015-05256		PREPARED BY: C.H. CARLETON			DATE: 04/28/99	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 505'	8 5/8"	24#			12"
CASING:	0' - 1792'	7"	20#	J-55		8 1/2"
CASING:	0' - 3578'	4 1/2"	9.5#	J-55		6 1/4"
TUBING:	0' - 2655'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



☒ CURRENT
 ☐ PROPOSED

OPERATOR: DEVON ENERGY CORPORATION(NEVADA)

8 5/8" CASING @ 505' W/75 SXS. TOC @ 370' (calculated)

4 1/2" & 7" CASING PERF'D AND SQUEEZED @ 605' W/85 SXS

7" CASING @ 1792' W/130 SXS. TOC @ 1110' (calculated)

DETAIL OF PERFORATIONS

GRAYBURG: 2722', 24'

U.GRAYBURG: 2755'-2759', 2774'-2779', 2782'-2785'

LOCO HILLS: 2834'-2836', 2839'-2841'

METEX: 2882'-2885', 2911'-2913'

L.GRAYBURG: 2949'-2953', 2972'-2979'

PREMIER: 3013', 26', 28', 45', 47', 63', 65', 72', 74', 76'

VACUUM: 3145', 51', 53', 57'

LOVINGTON: 3215', 17', 33', 37'

M.JACKSON: 3378'-3384', 3554'-3562'

(NOTE: BOLD PERF DEPTH AT 2 SPF)

SEAT NIPPLE @ 2655'

BAKER AD-1 PACKER @ 2656'

PERFORATIONS: 2722'- 3562' (OA) - 113 HOLES(EST)

CIBP @ 3570' AND CAPPED WITH 3 SXS CEMENT

4 1/2" CASING @ 3578' W/465 SXS. TOC @ 170' (TEMP SURVEY)

OPEN HOLE: 3578'- 3615'

TD @ 3615'

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☒ gas well ☐ other ☐
2. NAME OF OPERATOR ARCO Oil & Gas Co. ☒
Division of Atlantic Richfield Co.
3. ADDRESS OF OPERATOR
P. O. Box 1710, Hobbs, New Mexico 88240
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1650' FSL & 990' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH: As Above
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

- TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) ☐

SUBSEQUENT REPORT OF:

- ☐
☐
☐
☒
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☐
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☐

RECEIVED

MAY 19 1980

U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*
1. Rigged up on 4-22-80. POH w/comp assy, install BOP.
 2. RIH w/RBP, set BP @ 6900'. Dmpd 3 sx sd on top. Ran CBL/VDL/GR log TOC @ 2354'. SONAN log indicated water movement @ 1860-2030'.
 3. Perf'd 4 1/2" csg @ 2320'. RIH w/pkr, set pkr @ 2018', established circ. POH w/pkr. Ran & set cmt retr @ 2250'. Squeeze cmtd perfs @ 2320' w/200 sx Cl C cmt w/2% CaCl. RO 5 sx cmt. Temp survey indicated TOC @ 2000'. WOC.
 4. Perf'd 4 1/2" csg w/4 holes @ 1800-1802'. Set pkr @ 1537' established circulation. Ran & set retr @ 1750'. Pmpd 100 sx Cl C cmt w/19# salt/sk followed by 100 sx Cl C cmt w/ 3% Ca Cl. Temp survey indicated TOC @ 1450'. WOC.
 5. Perf'd 4 holes @ 1415-1417'. RIH w/cmt retr, set retr @ 1382'. Pmpd 200 sx Cl C cmt w/19# salt/sk followed by 100 sx Cl C cmt w/3% CaCl. WOC. Temp survey indicated TOC @ 1320'.

(over)

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED George H. Stewart TITLE Dist. Drlg Supt. DATE 5-15-80

(This space for Federal or State office use)

APPROVED BY GEORGE H. STEWART TITLE DISTRICT ENGINEER DATE MAY - 3 1980
CONDITIONS OF APPROVAL, IF ANY:

Catanach, David

From: Jason Wacker [Jason.Wacker@meritenergy.com]
Sent: Friday, December 05, 2003 6:49 AM
To: dcatanach@state.nm.us
Subject: Waterflood Expansion Application - Merit Energy Company



PERMIT AP. GBJ 7R
PILOT WELLS ...

David,

Lawrence Romero, in your Santa Fe office, was able to locate the well file for the Friess Federal #5 and get it scanned into the NMOCD website for me to view. The well was drilled in 1982 and cement behind the 5-1/2" casing was brought up to 800'. The well had a waterflow in 1999 that was repaired by the NMOCD, as we discussed. To repair the well and stop the waterflow, the 5-1/2" casing was perforated at 715' and cement was circulated to surface. This well has good mechanical integrity across the Seven Rivers.

The attached spreadsheet is updated with the Friess Federal #5 information for your files. Thanks again!

(See attached file: PERMIT AP. GBJ 7R PILOT WELLS IN AREA OF REVIEW - 4 INJECTORS.xls)

Jason Wacker
Merit Energy Company
13727 Noel Road, Suite 500
Dallas, Texas 75240

Phone: 972-628-1579
Fax: 972-701-0351

WELL LISTING
HALF MILE AREA OF REVIEW
GRAYBURG JACKSON WATERFLOOD
SEVEN RIVERS PILOT PROJECT

WELL NAME	WELL #	LOCATION	TD	SPUD DATE	COMPLETION DATE	CURRENT STATUS	TYPE OF COMPLETION	DEPTHS	IP (BOPD)	BRIDGE PLUG DEPTH	TEMPORARILY ABANDONED DATE	P&A DATE	13 3/8"	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF 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WELL LISTING
HALF MILE AREA OF REVIEW
GRAYBURG JACKSON WATERFLOOD
SEVEN RIVERS PILOT PROJECT

													13 3/8"		12 3/4"		11 3/4"		10 3/4"		9 5/8"		8 5/8"		8 1/4"		7"		5 1/2"		4 1/2"		2 7/8"				
WELL NAME	WELL #	LOCATION	TD	SPUD DATE	COMPLETION DATE	CURRENT STATUS	TYPE OF COMPLETION	DEPTHS	IP (BOPD)	BRIDGE PLUG DEPTH	TEMPORARILY ABANDONED DATE	P&A DATE	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	TOC
FREN OIL CO	19	19 17S 31E	7,100	3/12/62	4/2/62	OIL	PERFORATE	7026-7095	182															1,391	675							7,100	1,935			2,354	
					4/22/80		PERFORATE & SQUEEZE (700 SXS)	2320, 1800 & 1415																													
					4/27/93		PERFORATE	6866-7019																													
FREN OIL CO	20	19 17S 31E	7,115	5/27/62	6/17/62	P&A	PERFORATE	6928-7086	226													1,439	750									7,113	1,200			0	
					1/16/71		PERFORATE & SQUEEZE (1250 SXS)	2110 & TOC @ 1910		6868	1/16/1971																										
					3/25/80		CLEAN OUT																														
					5/28/80		SET NEW BP & PERFORATED			2308																											
					3/29/96		P&A				3/29/1996																										
LEE FEDERAL	2	20 17S 31E	5,300	8/15/98	5/21/99	OIL	PERFORATE	4641-4973	23														442	400							5,274	1,800					
LEE FEDERAL	6	20 17S 31E	5,170	7/27/99	11/27/99	OIL	PERFORATE	4670-5038	16				450	450									1,368	700							5,165	1,235					
LEE FEDERAL	7	20 17S 31E	0	N/A		LOC																															
LEE FEDERAL	8	20 17S 31E	0	N/A		LOC																															
LEE FEDERAL	10	20 17S 31E	5,231	4/29/01	7/13/01	OIL	PERFORATE	4642-5042	27				453	450									1,367	650						5,231	1,250						
LEE FEDERAL	17	20 17S 31E	5,191	4/9/03	5/29/03	OIL	PERFORATE	4628-4948					317	400									1,351	570						5,190	800						
TURNER B	65	20 17S 31E	7,497	3/25/60	5/19/60	P&A	PERFORATE	7120-7152	288				477	795									3,800	3,300									7,497	500			4,800
					2/4/62		PERFORATE & SQUEEZE (DRILL CMT OUT TO 7130')	7122-7128																													
					1/21/71		SET CIBP			6963	1/21/1971																										
					11/18/83		CLEAN OUT & TEST																														
					8/27/99		P&A				8/27/1999																										
FREN OIL CO	1	19 17S 31E	2,040	6/25/43	8/21/43	SHUT-IN	OPEN HOLE	1850-2030	44																		507	50		1,850	100						
					8/20/71						8/20/1971																										
FREN OIL CO	2	19 17S 31E	1,991	10/2/43	11/29/43	TA	OPEN HOLE	1821-1991	72														460	50			1,821	100									
					3/30/50		PERFORATE	1942-1989																													
					12/22/54		DEEPEN & OPEN HOLE COMPL.	3065-3116																						3,065	75						
					7/3/72		DEEPEN & CONV. TO INJ.	3181																													
					2/27/02		SET CIBP			3010	2/27/2002																										
FREN OIL CO	3	19 17S 31E	2,002	3/12/44	4/15/44	SHUT-IN	OPEN HOLE	1802-2002	145														482	50			1,802	100									
					3/12/44		DEEPEN	3134																						3,074	80						
					8/9/72		PLUG BACK (3100')& PERFORATE	2950-3044																													
FREN OIL CO	5	19 17S 31E	2,023	1/27/44	2/25/44	SHUT-IN	OPEN HOLE	1806-2023	152														485	50			1,806	100									
					8/20/71						8/20/1971																										
					11/19/46		OPEN HOLE	1809-2023	83														452	75			1,809	130									
					8/20/71		TA				8/20/1971																										
FREN OIL CO	7	19 17S 31E	3,312	10/19/46	12/12/63	INJ	DEEPEN (3100') & PERFORATE	2844-3071																							3,094	150			2,486		
					5/30/80		CEM. 4 1/2" - 7"	2486-SURFACE																													
					12/3/97		PERFORATE & CONV. TO INJ. WELL	2820-2992																									2 3/8" @ 2749				
FREN OIL CO	8	19 17S 31E	1,979	11/27/46	12/28/46	INJ	OPEN HOLE	1792-2021	60														505	75			1,792	130									
					11/27/46		DEEPEN (3615') & PERFORATE	2755-3562																							3,578	465					
							P&A				3/24/1976																										
					12/3/97		PERFORATE & CONV. TO INJ. WELL	3074-3237 & 2722-3076		3320																							2659 OF 2 3/8"				
FREN OIL CO	11	19 17S 31E	2,042	5/4/47	6/4/47	SHUT-IN	OPEN HOLE	1809-2042	42														438	50			1,809	130									
					10/1/71		SHUT-IN, UNECONOMIC				10/1/1971																										
FREN OIL CO	12	19 17S 31E	3,141	12/14/54	2/11/55	INJ	OPEN HOLE	3080-3141	630														499	50			3,080	125									
					6/8/82		DEEPEN (3200') & PERFORATE	3060-3070																													
					12/3/97		PERFORATE & CONV. TO INJ. WELL	2785-3030																									2,721				
					7/1/00		TEST & CLEAN OUT																														
FREN OIL CO	13	19 17S 31E	3,336	3/6/55	6/13/55	INJ	OPEN HOLE	3194-3255	720														514	75			3,194	150									
					6/22/72		PERFORATE & CONV. TO INJ. WELL	3153-3186																													
					6/22/82		PERFORATE	3044-3052																													
					9/18/92		CLEAN OUT	3333																													
					4/15/97		PERFORATE & RETURN TO INJ.	2782-3369																													
FREN OIL CO	18	19 17S 31E	7,150	1/2/62	5/11/62	OIL	PERFORATE	7011-7022	192														1,364	650								7,120	1,200			1,435	
					10/27/78		SQUEEZE & PERFORATE	1400-1402 & 2975 3104		3200																											
FREN OIL CO	23	19 17S 31E	3,735	6/12/96	8/9/96	OIL	PERFORATE	2876-3269	125														396	350						3,734	1,475			150			
FREN OIL CO	24	19 17S 31E	3,610	7/20/96	8/20/96	OIL	PERFORATE	2745-3327	184														391	350						3,609	1,050			0			
FREN OIL CO	WI-25	19 17S 31E	3,732	7/17/97	8/14/97	INJ	PERFORATE	3171-3300 & 2762 3131																						3,731	2,325						
					9/16/97		PERFORATE & CONV. TO INJ. WELL	2762-3131 & 3171 3300																													
					12/16/98		SET CIBP & RETURN TO INJ.			2655																											

WELL LISTING
HALF MILE AREA OF REVIEW
GRAYBURG JACKSON WATERFLOOD
SEVEN RIVERS PILOT PROJECT

[illegible]

WELL LISTING
HALF MILE AREA OF REVIEW
GRAYBURG JACKSON WATERFLOOD
SEVEN RIVERS PILOT PROJECT

WELL NAME	WELL #	LOCATION	TD	SPUD DATE	COMPLETION DATE	CURRENT STATUS	TYPE OF COMPLETION	DEPTHS	IP (BOPD)	BRIDGE PLUG DEPTH	TEMPORARILY ABANDONED DATE	P&A DATE	13 3/8"		12 3/4"		11 3/4"		10 3/4"		9 5/8"		8 5/8"		8 1/4"		7"		5 1/2"		4 1/2"		2 7/8"		TOC
													FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS	FEET	# OF SXS					
TURNER B	50	29 17S 31E		3,375	10/6/57	11/25/57	INJ	PERFORATE	3306-3320	205									598	100														2,275	
					6/18/59			PERFORATE	3208-3224																										
					3/11/69			CONV. TO INJ. WELL			3305																								
					1/22/70			CLEANED OUT & PERFORATE	3172-3285																										
					7/18/91			DRILLED OUT CIBP & PERFORATE	2978-3156																										
					3/17/97			PERFORATE & RETURN TO INJ	2914-2948																										
TURNER B	67	20 17S 31E		7,223	5/26/60	7/25/60	INJ	PERFORATE	3031-7054	192			470	525					3,800	900										7,221				3,697	
					4/3/69			SQZ PERFS& CONV TO INJ. WELL	3155-3180		6930																								
					1/30/70			PERFORATE	3060-3068																										
					3/24/96			SQZ CSG LEAKS	478-513																										
TURNER B	79	20 17S 31E		3,530	1/3/68	1/25/68	INJ	PERFORATE	2890-3124	67									605	350								3,530	500					1,300	
					4/23/97			PERFORATE & CONV. TO INJ. WELL	2739-3469																										
TURNER B	89	29 17S 31E		3,800	12/30/90	1/18/91	OIL	PERFORATE	3117-3309	316									600	465									3,800	2,375					
					1/19/91			PERFORATE	3065-3530	165									589	465									3,800	1,500					
TURNER B	93	20 17S 31E		3,821	1/18/91	2/22/91	OIL	PERFORATE	2864-3681	250			452	650															1,421	700		3,821	900		
TURNER B	95	20 17S 31E		3,700	1/17/91	2/19/91	OIL	PERFORATE	2815-3551	113																			603	465		3,700	3,050		
TURNER B	96	20 17S 31E		3,752	1/27/91	2/16/91	OIL	PERFORATE	2725-3514	134																			597	700		3,752	2,200		
TURNER B	100	20 17S 31E		3,580	2/9/91	2/18/91	OIL	PERFORATE	3213-3454	60																									
TURNER B	101	20 17S 31E		3,857	6/7/92	8/21/92	OIL	PERFORATE	3031-3800	48			367	400																					
TURNER B	115	20 17S 31E		3,600	2/16/99	3/16/99	OIL	PERFORATE	2696-3406	242																									
TURNER B	118	20 17S 31E		3,760	6/18/96	8/19/96	OIL	PERFORATE	2821-3517	300																									
CHERRY VANILLA	1	19 17S 31E		11,760	10/30/02	1/9/02	GAS	PERFORATE	11229-11236				434	400					4,531	3,525															
CHOCOLATE MOOSE	1	20 17S 31E		4,550	12/20/01	1/10/02	DRY	LOST HOLE	4503			1/15/2002	445	500																					
CHOCOLATE MOOSE	1-Y	20 17S 31E		11,736	1/17/02	5/9/02	GAS	PERFORATE	11310-11330				440	700					4,535	2,175															
FREN OIL CO COM	21	19 17S 31E		12,299	3/27/65	6/17/65	TA	PERFORATE	6944-6996 & 11142-11218		11500		369	300					3,210	600									12,275	575					
					1/17/81			SQUEEZE & PERFORATE	5768-5770 & 5050																										
					1/17/81			SQUEEZE CASING LEAKS	8170-8385																										
					1/31/01			TA			11980	1/31/2001																							
					2/20/03			RE-ENTER, TA			8570	2/20/2003																							
FRIESS	3	30 17S 31E		2,033	2/6/47	4/21/47	P&A	OPEN HOLE	1954-2033	40																									
					6/7/56			P&A				6/7/1956																							
TURNER B	75	29 17S 31E		9,900	11/6/60	1/10/61	DRY	P&A				1/10/1961																						0	

Catanach, David

From: Jason Wacker [Jason.Wacker@meritenergy.com]
Sent: Thursday, December 18, 2003 9:14 AM
To: dcatanach@state.nm.us
Subject: Action Plan for NMOCD Injection Permit Exception Wells.xls



Action Plan for
NMOCD Injectio...

David,

The CBL that Merit ran last week on the Fren Oil Co. #2 showed that the well's TOC is at 1980'. This well will remain on the exception list for the Grayburg Jackson waterflood expansion. We plan to circulate cement across the Seven Rivers in this well. I have revised our action plan for the exception wells to reflect this new information. The Max Friess #2 is the only well that needs to come off the list. Thanks for your help! Please call when you get a chance. Friday is my last day in the office this year.

(See attached file: Action Plan for NMOCD Injection Permit Exception Wells.xls)

Jason Wacker
Merit Energy Company
13727 Noel Road, Suite 500
Dallas, Texas 75240

Phone: 972-628-1579

Fax: 972-701-0351

Action Plan for NMOCD Injection Permit Exception Wells.xls

Action Plan for NMOCD Injection Permit Exception Wells.xls

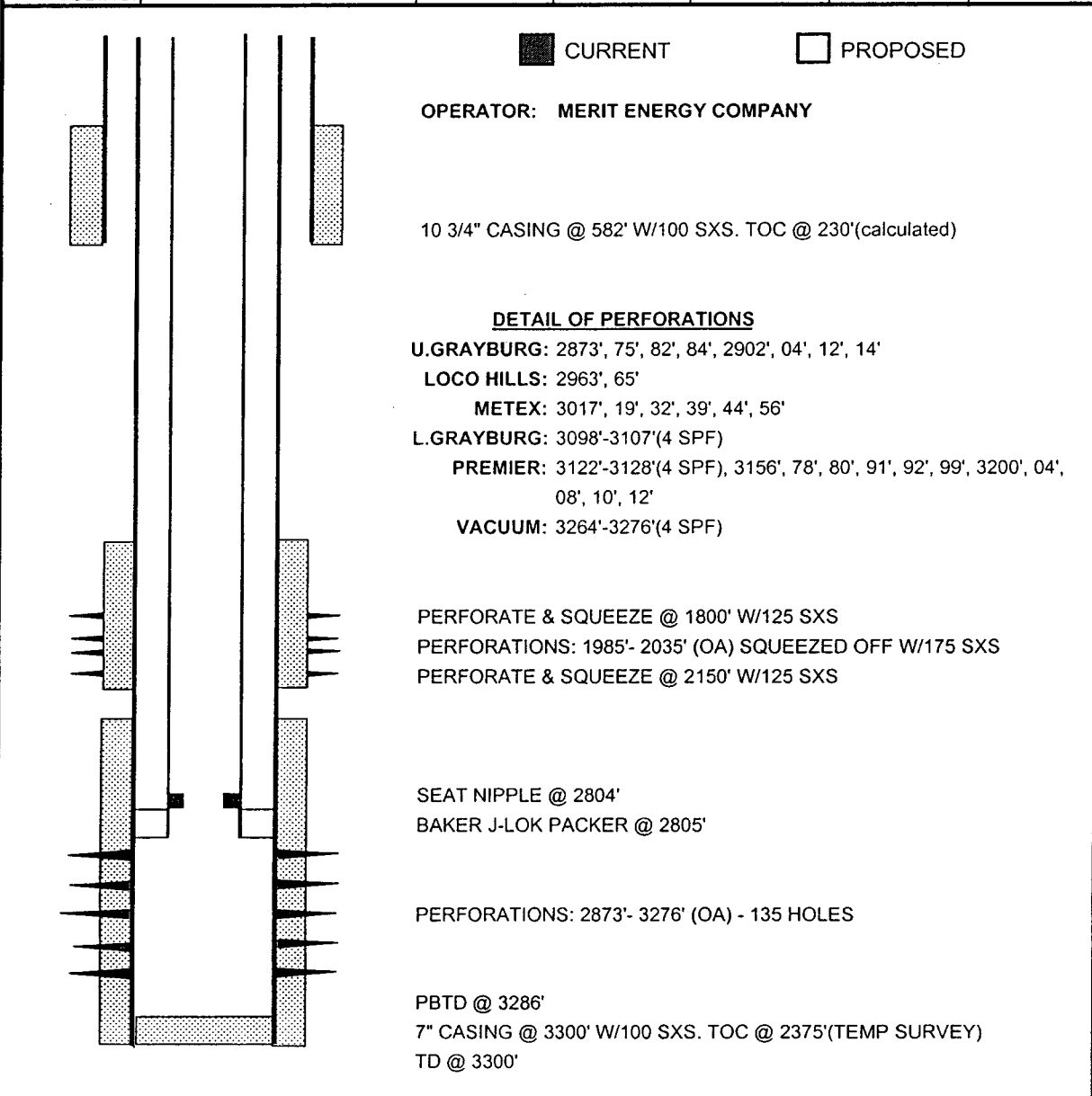
Well Name	API	Operator	TOC	TOC Determined By	Proposed Action
Cedar Lake #3Y	3001505477	Hanson Energy	2038'	Unknown	Warren Hanson is checking his files for a Temperature Survey or CBL to verify his well's TOC. He is willing to work with Merit to circulate cement across the Seven Rivers formation in the Cedar Lake #3Y as required.
Fren Oil Co. #12	3001505260	Merit Energy Company	1894'	CBL	Production casing was cemented from 450' to surface in late 1999. Propose to perforate casing at 1885' and circulate/squeeze cement across the upper portion of the Seven Rivers formation as required.
Fren Oil Co. #13	3001505261	Merit Energy Company	1980'	Calculated	Well has 7" casing cement top at 1980'. 4-1/2" and 7" casing annulus was circulated to surface. Propose to perforate both casing strings at 1975', establish an injection rate, and attempt to circulate cement behind 7" casing across the Seven Rivers formation as required.
Fren Oil Co. #2	3001505250	Merit Energy Company	1980'	CBL	Well is currently TA'd. Propose to circulate cement across Seven Rivers formation, above 7" casing shoe at 1821', as required and recomplete the well to the Seven Rivers formation.
Fren Oil Co. #3	3001505251	Merit Energy Company	1980'	Calculated	Braidhead of this well was squeezed in 1994. Propose to set CIBP at 2900', run CBL from 2850' to surface, perforate casing as needed, establish an injection rate, circulate/squeeze cement across Seven Rivers formation above 7" casing shoe at 1802' as required, and apply for TA status.
Max Friess #2	3001505469	Merit Energy Company	2375'	Temp Survey	Merit has submitted documentation to the NMOCD that shows that the Seven Rivers interval in this well was squeezed during previous well work.
Max Friess #4	3001505471	Merit Energy Company	2096'	CBL	Well has 7" casing cement top at 2096'. 4-1/2" and 7" casing annulus was circulated to surface. Propose to perforate both casing strings at 2095' and attempt to circulate cement behind 7" casing, across the Seven Rivers formation as required.
Turner A #36	3001520098	Merit Energy Company	1800'	Temp Survey	Well has 7" casing cement top at 1800'. 4-1/2" and 7" casing annulus was circulated to surface. Propose to perforate both casing strings at 1775' and attempt to circulate cement behind 7" casing, across the Seven Rivers formation as required.
Turner B #44	3001505311	Merit Energy Company	2550'	CBL	Propose to perforate casing at 2200', establish circulation to surface, and circulate cement across Seven Rivers formation as required.
Turner B #50	3001505437	Merit Energy Company	2275'	CBL	Propose to perforate casing at 2200', establish circulation to surface, and circulate cement across Seven Rivers formation as required.

RECEIVED

DEC 10 2003

OIL CONSERVATION
DIVISIONMERIT ENERGY COMPANY
WELLBORE SCHEMATIC

WELL NAME: MAX FRIESS #2			FIELD: GRAYBURG-JACKSON			
LOCATION: 660'FNL & 660'FEL, SEC 30-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3599'; KB=UNK			SPUD DATE: 04/26/57		COMP DATE: 06/13/57	
API#: 30-015-05469		PREPARED BY:		HJ WACKER	DATE: 12/4/2003	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 582'	10 3/4"	28.52#			
CASING:	0' - 3300'	7"	20#	J-55		
CASING:						
TUBING:	0' - 2804'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. LC 065014
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR ARCO Oil and Gas Company Division of Atlantic Richfield Company			7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR P.O. Box 1610, Midland, Texas 79702			8. FARM OR LEASE NAME Max Friess MA
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 660 FNL & 660 FEL (Unit A) At proposed prod. zone As above			9. WELL NO. 2
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* API# 30-015-05469 5 miles East from Loco Hills			10. FIELD AND POOL, OR WILDCAT Fren Seven Rivers
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660		16. NO. OF ACRES IN LEASE 160	11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA 30-17S-31E
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. NA		19. PROPOSED DEPTH 2000	12. COUNTY OR PARISH Eddy
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3599 GR. All measurements are from ground level			13. STATE NM
22. APPROX. DATE WORK WILL START* ASAP			

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
	10-3/4	28.52	582	100 sx.TOC 400' Calc
	7	20	3300	100 sx.TOC 2375' TS

Propose to plugback from the Grayburg-Jackson to the Fren-Seven Rivers

1. Set CIBP @ 3050' w/35' cmt on top. (Grayburg Jackson perms 3098-3276).
2. Perf @ sqz as necessary to bring TOC above 1800'.
3. Perf Fren-Seven Rivers w/l JSPF f/1985-2035 (21 holes).
4. Acdz w/2000 gals.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Ken W. Gosnell TITLE Engr. Tech. Spec. DATE 1-2-85

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE _____ DATE 1-6-86
CONDITIONS OF APPROVAL, IF ANY: _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

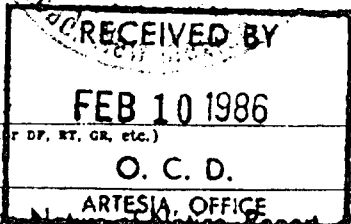
SUBMIT IN THE
(Other Instructions on Reverse Side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	5. LEASE DESIGNATION AND SERIAL NO. LC 065014
2. NAME OF OPERATOR ARCO Oil and Gas Company	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P.O. Box 1610, Midland, Texas 79702	7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with State requirements.* See also space 17 below.) At surface 660 FNL & 660 FEL (Unit A)	8. FARM OR LEASE NAME Max Friess MA
	9. WELL NO. 2
	10. FIELD AND POOL, OR WILDCAT Fren Seven Rivers
	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 30-17S-31E
14. PERMIT NO. API#30-015-05469	12. COUNTY OR PARISH Eddy
15. ELEVATIONS (Show whether DP, RT, GR, etc.) 3599 GR	13. STATE NM



18. Check Appropriate Box To Indicate Nature of Work, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Recomplete to Fren Seven Riv</u>	<u>X</u>
(Other) <input type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

- 1-10-86: RU PU. WL set CIBP @ 3050. Dump 35' cmt on top. Test to 500#. Ran pipe rec log f/2410-surf. TOC @ 2366. Ran vertilog f/3005-surf. Ind pipe in good cond.
- 1-13-86: Perf 4 hole @ 2150'. Set FBRC @ 2094'. Press ann to 500#. EIR 3 BPM @ 1800#. Pmpd 65 bbl - could not bring to surf. Pmpd 15 bbl down surf. Set CR @ 2094. Cmdt w/125 sx "H". Standing press 1800#. Ran TS ind TOC @ 2030'. Perf'd 7" csg @ 1800' w/4 holes. Set CR @ 1750. Cmdt w/125' sx "H" Neat. SP 1500#.
- 1-15-86: DO cmt & CR f/1745-1815.
- 1-16-86: Press test to 600#. CO to TOC @ 2080. Perf seven rivers @ 1985, 90, 96, 97, 98, 99, 2000, 2012 - 2022, 33, 34, 35 (21 holes). Acddz w/ 2000 gal 15% NEFE. Swb load. RIH w/tbg, rods & pump. RDPV.
- 1-23-86 thru 1-30-86. Test production 0 BO, 4 BW per/day.
- 1-30-86: Shut in pndg eval.

ACCEPTED FOR RECORD

FEB 7 1986

Post #D-2
2-14-86
PVA Grb

CARLSBAD, NEW MEXICO

18. I hereby certify that the foregoing is true and correct

SIGNED <u>Ken W. Gosnell</u>	TITLE <u>Engr. Tech. Spc.</u>	DATE <u>2-4-86</u>
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(This space for Federal or State office use)

APPROVED BY _____	TITLE _____	DATE _____
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CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONTACT RECEIVING
OFFICE FOR NY
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(Other instructions on re-
verse side)

MM Roswell District
Modified Form No.
MM60-3160-4

5. LEASE DESIGNATION AND SERIAL NO.

LC 065014

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐
2. NAME OF OPERATOR Socorro Petroleum Company
3. ADDRESS OF OPERATOR P.O. Box 38, Loco Hills, NM 88255
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface
660' FNL S 660' FEL (Unit A)
5. AREA CODE & PHONE NO. 505/677-2360

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Max Friess, M.A.

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Seven Rivers

11. SEC., T., S., M., OR BLK. AND SURVEY OR AREA

30-17S-31E

14. PERMIT NO.

API# 30-015-05469

15. ELEVATIONS (Show whether DF, AT, OR, etc.)

3599' GR

12. COUNTY OR PARISH

Eddy

13. STATE

NM

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF
FRACTURE TREAT
SHOOT OR ACIDIZE
REPAIR WELL

☐
☐
☐
☒

PULL OR ALTER CASING
MULTIPLE COMPLETE
ABANDON*
CHANGE PLANS

☐
☐
☐
☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF
FRACTURE TREATMENT
SHOOTING OR ACIDIZING
(Other)

☐
☐
☐
☐

REPAIRING WELL
ALTERING CASING
ABANDONMENT*

☐
☐
☐
☐

(Other) Drill Out

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

This well is presently completed in the Seven Rivers throughput perfs. 1985-2035 (21 holes). After acid treatment it produced 4 BW & 0 BOPD.

It is proposed to drill out 35' cmt. & bridge plug @ 3050'. Grayburg-Jackson perfs from 3098-3276 will be tested. Treatment recommendations will depend on test results.

Note: Bridge plug was set above Grayburg-Jackson perfs. 1-10-86

18. I hereby certify that the foregoing is true and correct

SIGNED

[Signature]

TITLE

Manager

DATE

9/24/90

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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verse side)
RECEIVED

BLM Roswell District
Modified Form No.
ND60-3160-4

6. LEASE DESIGNATION AND SERIAL NO.
LC-065014

8. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

9. FARM OR LEASE NAME

Max Friess, M.A.

8. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Fren Seven Rivers

11. SEC., T., R., W., OR BLK. AND
SUBST. OR AREA

30-17S-31E

12. COUNTY OR PARISH

Eddy

13. STATE

NM

SUNDRY NOTICES AND REPORTS ON WELLS
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Socorro Petroleum Company

3. ADDRESS OF OPERATOR

P.O. Box 38, Loco Hills, NM 88255

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface

660' FNL & 660' FEL (Unit A)

14. PERMIT NO.

API# 30-015-05469

15. ELEVATIONS (Show whether DT, RT, OR, etc.)

3599' GR

O.C.D.
ARTESIA, OFFICE

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER Casing

MULTIPLE COMPLETION

ABANDON*

CHANGE PLANT

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

XXX

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROMISED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

11/07/90 RUPU & reverse rig. RIH w/ 6-1/4" bit & DC on 2" tbg. & drld. gyp & scale from 2006'-2086'. Sttd. drlg. on CIBP @ 2086'.

11/08/90 Drld. CIBP & cmt. to 2100'.

11/10/90 Drld. cmt. 2100'-2175' & 3046'-3056'. Drld. CIBP @ 3056' & washed down to 3276'. Seven Rivers perfs 1985'-2035' (21 holes). Grayburg-San Andres perfs 3098'-3276'.

11/11/90 POH w/tbg, DC & bit. Ran SN & 100 jts. 2-3/8" tbg. Ran 2" x 1-1/2" x 12' pump, 44 5/8" rods & 80 3/4" rods. Hung well on & RD.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

Manager

DATE

11/16/90

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Division
811 S. 1st Street
Artesia, NM 88210-2834

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

NOV - 6 1996

2. Name of Operator
DEVON ENERGY CORPORATION (NEVADA)

AVON OIL CO. DIV.

3. Address and Telephone No.
20 NORTH BROADWAY, SUITE 1500, OKLAHOMA CITY, OKLAHOMA 73102 (405) 238-3611

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
660' FNL & 660' FEL of Section 30-T17S-R31E

5. Lease Designation and Serial No.

LC-065014

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Max Friess #2

9. API Well No.

30-015-05469

10. Field and Pool, or Exploratory Area

Grayburg-Jackson Field

11. County or Parish, State

Eddy County, NM

CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other _____
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☒ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

To be converted to a water injection well as follows:

1. Squeeze off perforations 1985'- 2035'(OA). Clean out wellbore to TD.
2. Selectively perforate the interval 2750'- 3282' (OA).
3. RIH with Baker Lock-Set packer on 2 3/8"(IPC) tubing and set at 2700'.
4. Inject through perforations 2750'- 3282'(OA).

14. I hereby certify that the foregoing is true and correct

Signed Charles H. Carleton
(This space for Federal or State office use)

Charles H. Carleton
Title Sr. Engineering Tech.

Date 10/16/96

Approved by (ORIG. SGD.) ALEXIS C. SWOBODA
Conditions of approval, if any:

Title PETROLEUM ENGINEER

Date 11/5/96

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OPERATOR'S COPY

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
☐ Oil Well ☐ Gas Well ☒ Other WIW

2. Name of Operator
DEVON ENERGY CORPORATION (NEVADA)

3. Address and Telephone No.
20 NORTH BROADWAY, SUITE 1500, OKLAHOMA CITY, OKLAHOMA 73102 (405)552-4527

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
660' FNL & 660' FEL, Sec. 30-17S-31E

5. Lease Designation and Serial No.

LC-065014

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Max Friess #2

9. API Well No.

30-015-05469

10. Field and Pool, or Exploratory Area

Grayburg Jackson

11. County or Parish, State

Eddy County, NM

CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input checked="" type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Other _____	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The following work was done to convert to WIW:

2/17/97 - POOH & LD rods, pump & tbg.

2/18/97 - RIH w/bit & scraper, POOH.

2/19/97 - Tested casing, OK. Spotted 20' sand on top of RBP.

2/20/97 - Set cement retainer @ 1899'. Squeezed Seven Rivers perms 1985'-2035' w/175 sx Class "C" cement.

2/22/97 to 2/24/97 - Drld cmt 1890'-2050'. Tested csg to 300 psi, OK. RIH w/bit & scraper, POH.

2/26/97 - Acidized perms 3098'-3276' w/3000 gals 15% HCl acid. + 4000# rock salt. Flowed back 75 bbls load.

2/27/97 - Swabbed. Perf'd 2873', 75', 82', 84', 2902', 04', 12', 14', 63', 65', 3017', 19', 32', 39', 44', 56', 3156', 78', & 80'; total 19 - .49" holes.

2/28/97 - Acidized perms 2873'-3056' w/1925 gals 15% HCl acid.

3/1/97 - RIH w/7" J-Lok pkr, nickel plated SN & 88 jts of 2 3/8" IPC tbg. Set pkr @ 2809'. Tested to 340 psi for 15 min, held OK.

4/13/97 - Began injecting.

14. I hereby certify that the foregoing is true and correct

Signed Karen Byers
This space for Federal or State office use

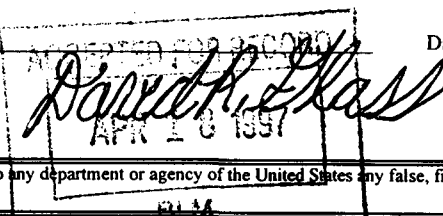
KAREN BYERS
Title ENGINEERING TECHNICIAN

Date 04/14/97

Approved by _____
Conditions of approval, if any:

Title

Date



Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations or any matter within its jurisdiction.

*See Instruction on Reverse Side

Catanach, David

From: Jason Wacker [Jason.Wacker@meritenergy.com]
Sent: Friday, December 05, 2003 12:26 PM
To: dcatanach@state.nm.us
Subject: Action Plan for NMOCD Injection Permit Exception Wells



Action Plan for
NMOCD Injectio...

David,

Here is Merit's tentative action plan for the wells within the AOR for our injection permit application that do not have cement across the Seven Rivers formation. Please make any comments as to changes you would like us to make in the action plan. I hope to have all of the information you need to approve the permit by next Wednesday. We're still waiting on the results of the CBL on the Fren Oil Co. #2. More data to follow. Thanks!

(See attached file: Action Plan for NMOCD Injection Permit Exception Wells.xls)

Jason Wacker
Merit Energy Company
13727 Noel Road, Suite 500
Dallas, Texas 75240

Phone: 972-628-1579

Fax: 972-701-0351

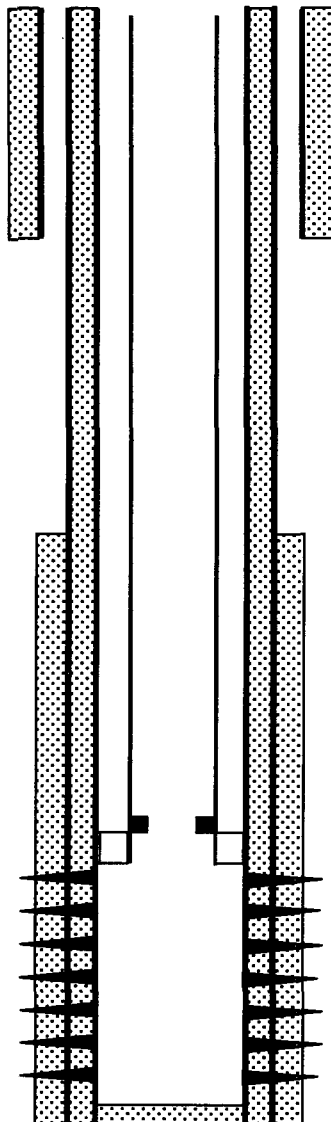
Action Plan for NMOCD Injection Permit Exception Wells.xls

Action Plan for NMOCD Injection Permit Exception Wells.xls

Well Name	API	Operator	TOC	TOC Determined By	Proposed Action
Cedar Lake #3Y	3001505477	Hanson Energy	2038'	Unknown	Warren Hanson is checking his files for a Temperature Survey or CBL to verify his well's TOC. He is willing to work with Merit to circulate cement across the Seven Rivers formation in the Cedar Lake #3Y as required.
Fren Oil Co. #12	3001505260	Merit Energy Company	1894'	CBL	Production casing was cemented from 450' to surface in late 1999. Propose to perforate casing at 1885' and circulate/squeeze cement across the upper portion of the Seven Rivers formation as required.
Fren Oil Co. #13	3001505261	Merit Energy Company	1980'	Calculated	Well has 7" casing cement top at 1980'. 4-1/2" and 7" casing annulus was circulated to surface. Propose to perforate both casing strings at 1975', establish an injection rate, and attempt to circulate cement behind 7" casing across the Seven Rivers formation as required.
Fren Oil Co. #2	3001505250	Merit Energy Company	2030'	Calculated	Well is currently TA'd. Propose to run CBL from 2950' to surface, circulate cement across Seven Rivers formation above 7" casing shoe at 1821' as required, and recomplete the well to the Seven Rivers formation. CBL will be run on Friday 12/5/2003.
Fren Oil Co. #3	3001505251	Merit Energy Company	1980'	Calculated	Braidhead of this well was squeezed in 1994. Propose to set CIBP at 2900', run CBL from 2850' to surface, perforate casing as needed, establish an injection rate, circulate/squeeze cement across Seven Rivers formation above 7" casing shoe at 1802' as required, and apply for TA status.
Max Friess #2	3001505469	Merit Energy Company	2375'	Temp Survey	Submit documentation to NMOCD that shows that the Seven Rivers interval in this well was squeezed during previous well work.
Max Friess #4	3001505471	Merit Energy Company	2096'	CBL	Well has 7" casing cement top at 2096'. 4-1/2" and 7" casing annulus was circulated to surface. Propose to perforate both casing strings at 2095' and attempt to circulate cement behind 7" casing, across the Seven Rivers formation as required.
Turner A #36	3001520098	Merit Energy Company	1800'	Temp Survey	Well has 7" casing cement top at 1800'. 4-1/2" and 7" casing annulus was circulated to surface. Propose to perforate both casing strings at 1775' and attempt to circulate cement behind 7" casing, across the Seven Rivers formation as required.
Turner B #44	3001505311	Merit Energy Company	2550'	CBL	Propose to perforate casing at 2200', establish circulation to surface, and circulate cement across Seven Rivers formation as required.
Turner B #50	3001505437	Merit Energy Company	2275'	CBL	Propose to perforate casing at 2200', establish circulation to surface, and circulate cement across Seven Rivers formation as required.

MERIT ENERGY COMPANY WELLBORE SCHEMATIC

WELL NAME: TURNER "A" #36			FIELD: GRAYBURG-JACKSON			
LOCATION: 1800' FNL & 1980' FEL, SEC 19-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3620' ; KB=3630'			SPUD DATE: 11/18/67		COMP DATE: 12/10/67	
API#: 30-015-20098		PREPARED BY:		HJ WACKER	DATE: 12/4/2003	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 605'	9 5/8"	32.3#	H-40		12 1/4"
CASING:	0' - 3450'	7"	20,23,26#	J-55		8 3/4"
CASING:	0' - 3450'	4 1/2"	11.6#	J-55	LT&C	
TUBING:	0' - 2637'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



☒ CURRENT
 ☐ PROPOSED

OPERATOR: MERIT ENERGY COMPANY

9 5/8" CASING @ 605' W/350 SXS. TOC @ SURFACE

DETAIL OF PERFORATIONS

U.GRAYBURG: 2713', 19', 23', 40', 44', 50', 54'

M.GRAYBURG: 2768'

LOCO HILLS: 2806', 09'

METEX: 2847', 51', 55', 69', 79'

L.GRAYBURG: 2917', 37', 39', 41'

PREMIER: 2973', 77', 79', 86', 88', 97', 3000', 02', 18', 21', 37', 39', 43'

VACUUM: 3045', 86', 95', 3125', 28', 49', 54'

LOVINGTON: 3163', 68', 72', 85', 87', 3205'

U.JACKSON: 3211'

M.JACKSON: 3334', 43', 53', 81', 85', 89', 3405', 09', 11', 13', 15', 17'

SEAT NIPPLE @ 2637'

BAKER AD-1 PACKER @ 2638'

PERFORATIONS: 2713'-3417'(OA) - 58 HOLES

PBTD @ 3448'

7" CASING @ 3450' W/450 SXS. TOC @ 1800' (Temp Survey)

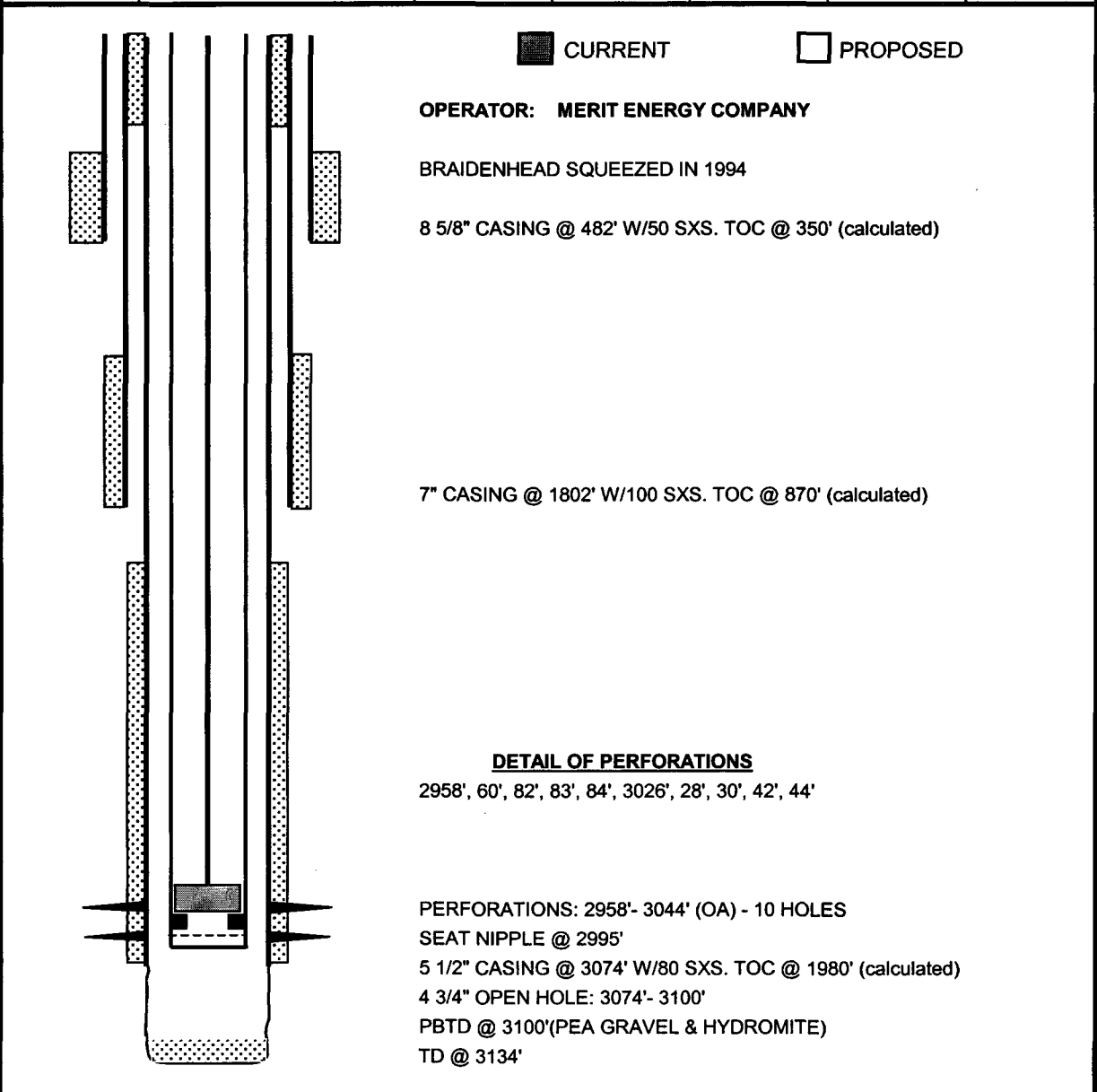
4 1/2" CASING @ 3450' W/400 SXS. TOC @ SURFACE.

TD @ 3450'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

MERIT ENERGY COMPANY WELLBORE SCHEMATIC

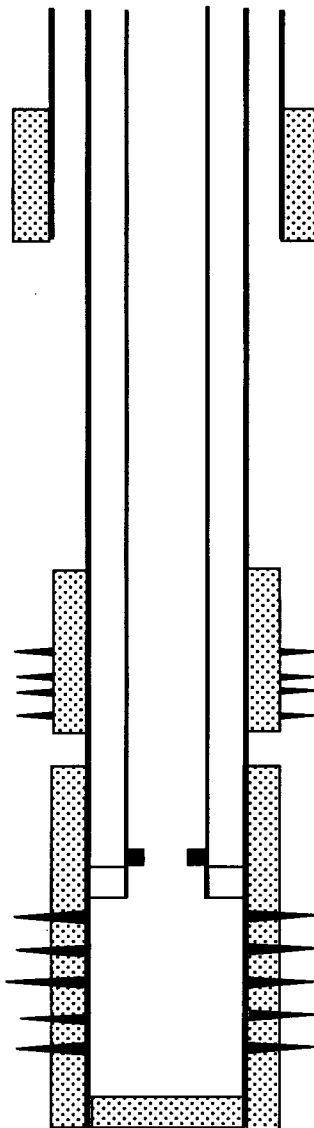
WELL NAME: FREN OIL COMPANY #3			FIELD: GRAYBURG-JACKSON			
LOCATION: 1980' FSL & 1980' FWL, SEC 19-T17S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=3610'; KB=UNK			SPUD DATE: 03/12/44		COMP DATE: 04/15/44	
API#: 30-015-05251		PREPARED BY:		HJ WACKER	DATE: 12/4/2003	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 482'	8 5/8"	24#			
CASING:	0' - 1802'	7"	20#			
CASING:	0' - 3074'	5 1/2"	15.5#	J-55		
TUBING:	0' - 3030'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

MERIT ENERGY COMPANY WELLBORE SCHEMATIC

WELL NAME: MAX FRIESS #2			FIELD: GRAYBURG-JACKSON			
LOCATION: 660'FNL & 660'FEL, SEC 30-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3599'; KB=UNK			SPUD DATE: 04/26/57		COMP DATE: 06/13/57	
API#: 30-015-05469		PREPARED BY:		HJ WACKER		DATE: 12/4/2003
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 582'	10 3/4"	28.52#			
CASING:	0' - 3300'	7"	20#	J-55		
CASING:						
TUBING:	0' - 2804'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



CURRENT



PROPOSED

OPERATOR: MERIT ENERGY COMPANY

10 3/4" CASING @ 582' W/100 SXS. TOC @ 230'(calculated)

DETAIL OF PERFORATIONS

U.GRAYBURG: 2873', 75', 82', 84', 2902', 04', 12', 14'

LOCO HILLS: 2963', 65'

METEX: 3017', 19', 32', 39', 44', 56'

L.GRAYBURG: 3098'-3107'(4 SPF)

PREMIER: 3122'-3128'(4 SPF), 3156', 78', 80', 91', 92', 99', 3200', 04', 08', 10', 12'

VACUUM: 3264'-3276'(4 SPF)

PERFORATE & SQUEEZE @ 1800' W/125 SXS

PERFORATIONS: 1985'- 2035' (OA) SQUEEZED OFF W/175 SXS

PERFORATE & SQUEEZE @ 2150' W/125 SXS

SEAT NIPPLE @ 2804'

BAKER J-LOK PACKER @ 2805'

PERFORATIONS: 2873'- 3276' (OA) - 135 HOLES

PBTD @ 3286'

7" CASING @ 3300' W/100 SXS. TOC @ 2375'(TEMP SURVEY)

TD @ 3300'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

MERIT ENERGY COMPANY WELLBORE SCHEMATIC

WELL NAME: CEDAR LAKE 3Y			FIELD: GRAYBURG JACKSON			
LOCATION: 30-17S-31E 751' FWL & 330' FNL			COUNTY: EDDY		STATE: NM	
ELEVATION: 3611 G.L.			SPUD DATE: 6/14/1958		COMP DATE: 7/25/1958	
API#: 30-015-05477		PREPARED BY: D. TOMLEY			DATE: 12/2/03	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	518	10 3/4"	32.75#			12 1/2"
CASING:	3423	7"	20# & 23#			8 5/8"
CASING:						
TUBING:	3380	2 3/8"				
TUBING:						

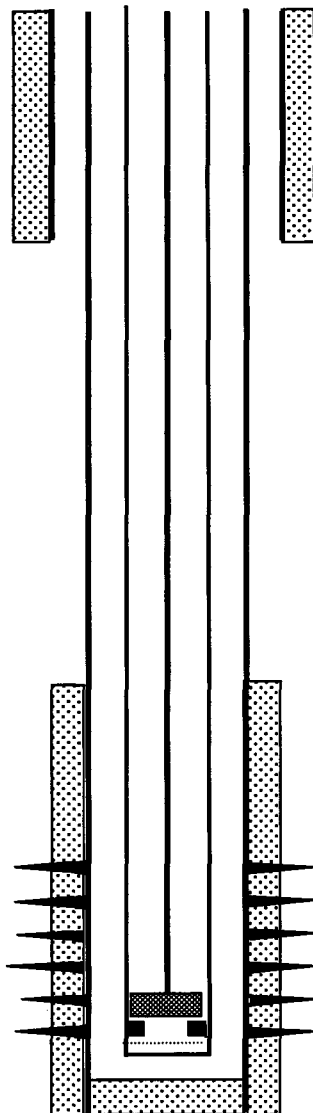
OPERATOR: WARREN HANSON DBA HANSON ENERGY

7" CASING @ 518' W/360 SXS. TOC @ SURFACE.

DETAIL OF PERFORATIONS GRAYBURG PERFORATIONS

2835' - 2844'
3124' - 3129'
3166' - 3173'
3180' - 3183'
3187' - 3191'
3196' - 3200'
3206' - 3213'
3223' - 3225'
3231' - 3238'
3244' - 3256

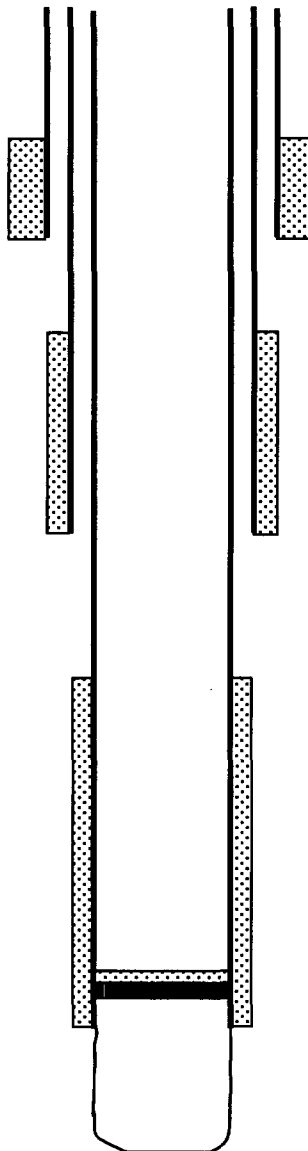
ALL 4 SHOTS PER FOOT



7" CASING @ 3423' W/150 SXS. TOC @ 2038'
PUMP & PLUG METHOD, PLUG SPOTTED @ 3383'
TD @ 3423'

MERIT ENERGY COMPANY WELLBORE SCHEMATIC

WELL NAME: FREN OIL COMPANY #2			FIELD: GRAYBURG-JACKSON			
LOCATION: 660'FSL & 1980'FWL, SEC 19-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3581'; KB=UNK			SPUD DATE: 10/02/43		COMP DATE: 11/29/43	
API#: 30-015-05250		PREPARED BY:		HJ WACKER	DATE: 12/4/2003	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 460'	8 5/8"	24#			
CASING:	0' - 1821'	7"	20#			
CASING:	0' - 3065'	5 1/2"	15.5#	J-55		
TUBING:						
TUBING:						



CURRENT



PROPOSED

OPERATOR: MERIT ENERGY COMPANY

8 5/8" CASING @ 460' W/50 SXS. TOC @ 330'(calculated)

7" CASING @ 1821' W/100 SXS. TOC @ 890'(calculated)

CIBP @ 3010' & CAPPED WITH 20' CEMENT

5 1/2" CASING @ 3065' W/75 SXS. TOC @ 2030'(calculated)

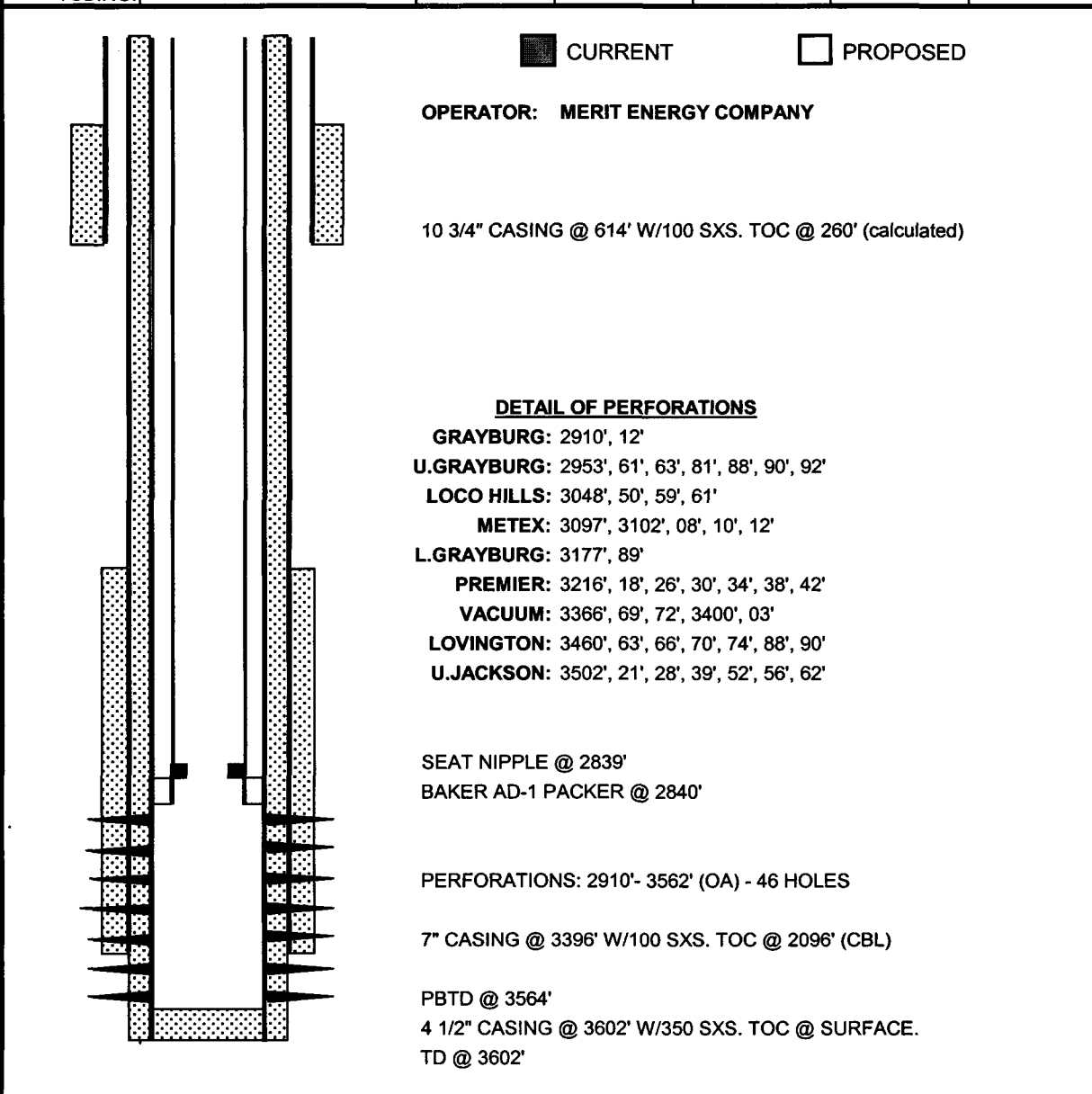
4 3/4" OPEN HOLE: 3065'- 3181'

TD @ 3181'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

MERIT ENERGY COMPANY WELLBORE SCHEMATIC

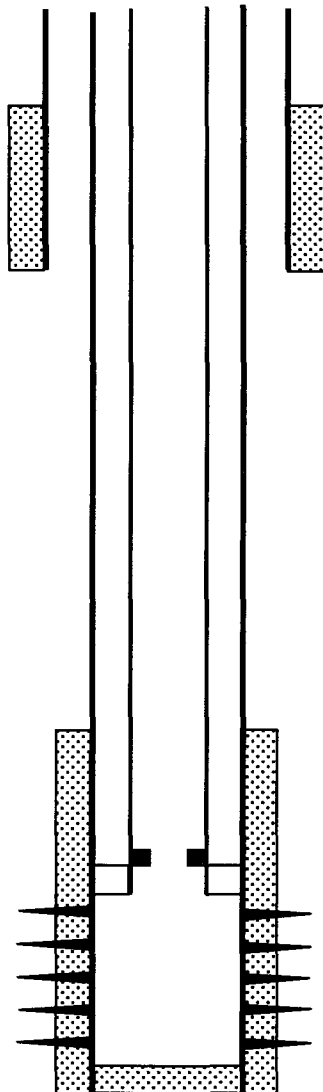
WELL NAME: MAX FRIESS #4			FIELD: GRAYBURG-JACKSON			
LOCATION: 1980' FNL & 660' FEL, SEC 30-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3616'; KB=UNK			SPUD DATE: 08/26/57		COMP DATE: 10/06/57	
API#: 30-015-05471		PREPARED BY:		HJ WACKER	DATE: 12/4/2003	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 614'	10 3/4"	32.75#			
CASING:	0' - 3396'	7"	20#			
CASING:	0' - 3602'	4 1/2"	11.6#	J-55	LT&C	6 1/4"
TUBING:	0' - 2839'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

MERIT ENERGY COMPANY WELLBORE SCHEMATIC

WELL NAME: TURNER "B" #50			FIELD: GRAYBURG JACKSON			
LOCATION: 660' FNL & 660' FWL, SEC 29-T17S-R31E			COUNTY: EDDY COUNTY		STATE: NM	
ELEVATION: GL=3626'; KB=UNK			SPUD DATE: 10/06/57		COMP DATE: 11/25/57	
API#: 30-015-05437		PREPARED BY:		HJ WACKER		DATE: 12/4/2003
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 598'	10 3/4"	32.75#	H-40		
CASING:	0' - 3374'	7"	20.23#	J-55		
CASING:						
TUBING:	0' - 2866'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



CURRENT



PROPOSED

OPERATOR: MERIT ENERGY COMPANY

10 3/4" CASING @ 598' W/100 SXS. TOC @ 250' (calculated)

DETAIL OF PERFORATIONS

U. GRAYBURG: 2914', 16', 18', 46', 48', 50'

M. GRAYBURG: 2963', 78', 89'

LOCO HILLS: 3007', 09', 13', 44'

METEX: 3065', 83', 84', 85'

L. GRAYBURG: 3154', 56', 3172'-75' (1 SPF)

PREMIER: 3180'-90' (1 SPF), 3208'-24' (4 SPF), 3268'-78' (1 SPF)
3280'-85' (1 SPF)

VACUUM: 3306'-10' (8 SPF), 3314'-20' (8 SPF)

SEAT NIPPLE @ 2866'

BAKER AD-1 PACKER @ 2867'

PERFORATIONS: 2914'- 3320' (OA) - 191 HOLES

PBTD @ 3340'

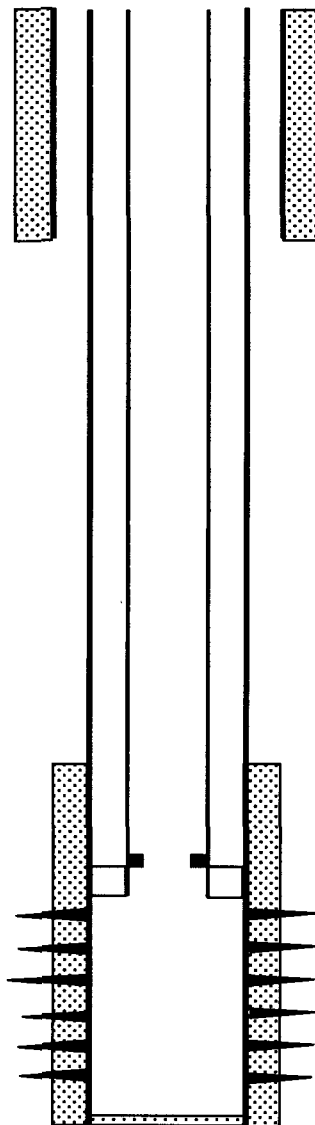
7" CASING @ 3374' W/100 SXS. TOC @ 2275' (CBL)

TD @ 3375'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CF FT/SK AND 50% FILLUP WERE ASSUMED.

MERIT ENERGY COMPANY WELLBORE SCHEMATIC

WELL NAME: TURNER "B" #44			FIELD: GRAYBURG-JACKSON			
LOCATION: 660' FSL & 2055' FWL, SEC 20-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3684'; KB=UNK			SPUD DATE: 10/30/55		COMP DATE: 11/21/55	
API#: 30-015-05311		PREPARED BY:		HJ WACKER	DATE: 12/4/2003	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 471'	8 5/8"	28#			
CASING:	0' - 3340'	5 1/2"	14#			
CASING:						
TUBING:	0' - 2856'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



CURRENT



PROPOSED

OPERATOR: MERIT ENERGY COMPANY

8 5/8" CASING @ 471' W/270 SXS. TOC @ SURFACE

DETAIL OF PERFORATIONS

U.GRAYBURG: 2914', 16', 34', 38', 48', 52'

M.GRAYBURG: 2972', 75'

LOCO HILLS: 3000', 12', 14', 29'

METEX: 3044', 48', 56'

L.GRAYBURG: 3130', 32', 50', 54'

PREMIER: 3161'-76' (6 SPF), 3185'-88' (2 SPF), 3197', 99', 3201', 24', 27', 28', 48', 50', 54', 3257'-62' (2 SPF), 3264'-69' (2 SPF)

VACUUM: 3277', 79', 91', 93', 94', 98', 3300', 02', 05', 07', 08', 18', 20', 27', 29', 30', 31', 32', 33', 34'

SEAT NIPPLE @ 2856'

BAKER AD-1 PACKER @ 2860'

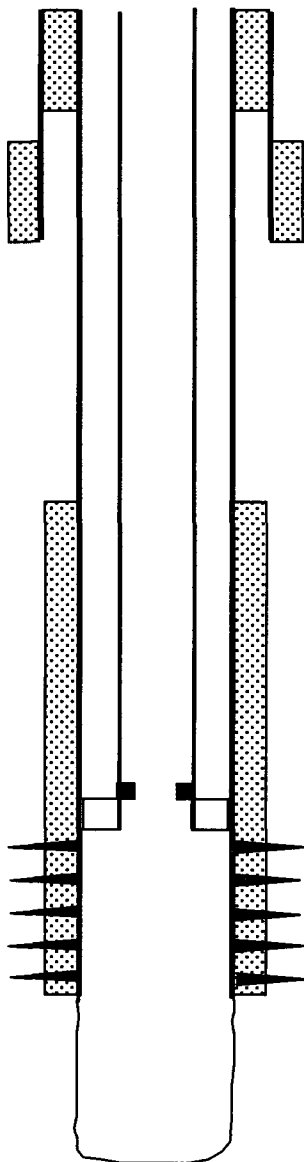
PERFORATIONS: 2914'- 3334'(OA) - 164 HOLES

5 1/2" CASING @ 3340' W/125 SXS. TOC @ 2550' (CBL)

TD @ 3342'

MERIT ENERGY COMPANY WELLBORE SCHEMATIC

WELL NAME: FREN OIL COMPANY #12			FIELD: GRAYBURG-JACKSON			
LOCATION: 610' FSL & 1980' FEL, SEC 19-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3585'; KB=UNK			SPUD DATE: 12/14/54		COMP DATE: 02/11/55	
API#: 30-015-05260		PREPARED BY: HJ WACKER			DATE: 12/4/2003	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 499'	8 5/8"	28#			
CASING:	0' - 3080'	7"	20#	J-55		
CASING:						
TUBING:	0' - 2719'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



☒ CURRENT
 ☐ PROPOSED

OPERATOR: MERIT ENERGY COMPANY

PRODUCTION CASING IS CEMENTED FROM 450' TO SURFACE

8 5/8" CASING @ 499' W/50 SXS. TOC @ 410' (calculated)

DETAIL OF PERFORATIONS

GRAYBURG: 2785', 89', 93', 95'

U.GRAYBURG: 2845', 53', 55', 57', 59', 75', 82', 84', 87'

LOCO HILLS: 2933', 34', 49', 51'

METEX: 2978', 86', 88', 90', 3024', 30'

L.GRAYBURG: 3060'-3070' (25 HOLES)

SEAT NIPPLE @ 2719'

BAKER J-LOK PACKER @ 2720'

PERFORATIONS: 2785'- 3070'(OA) - 48 HOLES

7" CASING @ 3080' W/125 SXS. TOC @ 1894' (CBL)

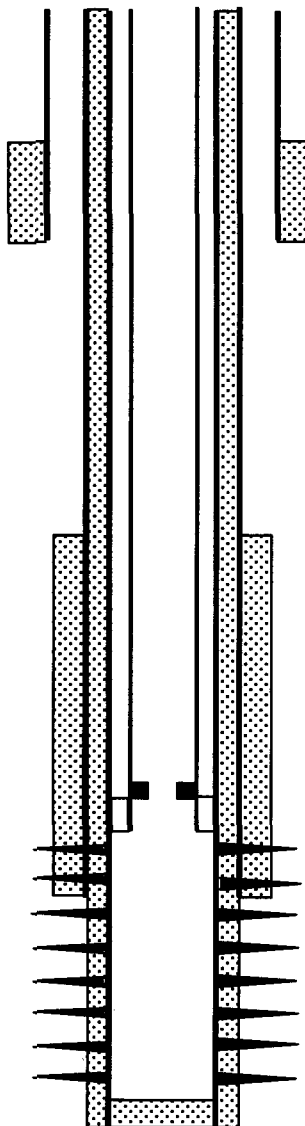
6 1/8" OPEN HOLE: 3080'- 3200' (PREMIER INTERVAL)

TD @ 3200'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

MERIT ENERGY COMPANY WELLBORE SCHEMATIC

WELL NAME: FREN OIL COMPANY #13			FIELD: GRAYBURG-JACKSON			
LOCATION: 660'FSL & 710'FEL, SEC 19-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3594'; KB=UNK			SPUD DATE: 03/05/55		COMP DATE: 06/13/55	
API#: 30-015-05261		PREPARED BY:		HJ WACKER	DATE: 12/4/2003	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 514'	8 5/8"	28#			10"
CASING:	0' - 3194'	7"	20#	J-55		8"
CASING:	0' - 3502'	4 1/2"	11.6#	K-55	LT&C	6 1/8"
TUBING:	0' - 2722'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



CURRENT



PROPOSED

OPERATOR: MERIT ENERGY COMPANY

8 5/8" CASING @ 514' W/75 SXS. TOC @ 390'(calculated)

DETAIL OF PERFORATIONS

GRAYBURG: 2782', 2805'

U.GRAYBURG: 2831', 40', 42', 46', 60', 66', 69', 72'

LOCO HILLS: 2920', 22', 44', 46'

METEX: 2961', 72', 86', 88', 3000', 02'

L.GRAYBURG: 3046', 48', 64'

PREMIER: 3074', 78', 82', 86', 90', 3110', 38', 53', 69', 76', 80', 83', 87'

VACUUM: 3205', 16', 23', 30', 35', 42', 70'

LOVINGTON: 3320', 24', 34', 37', 69'

SEAT NIPPLE @ 2722'

BAKER AD-1 PACKER @ 2723'

7" CASING @ 3194' W/150 SXS. TOC @ 1980'

PERFORATIONS: 2782'- 3369' (OA) - 48 HOLES

PBTD @ 3473'

4 1/2" CASING @ 3502' W/400 SXS. TOC @ SURFACE

TD @ 3502'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

**WELL LISTING
HALF MILE AREA OF REVIEW
GRAYBURG JACKSON WATERFLOOD
SEVEN RIVERS PILOT PROJECT**

[illegible]

WELL LISTING
HALF MILE AREA OF REVIEW
GRAYBURG JACKSON WATERFLOOD
SEVEN RIVERS PILOT PROJECT

WELL NAME	WELL #	LOCATION	TD	SPUD DATE	COMPLETION DATE	CURRENT STATUS	TYPE OF COMPLETION	DEPTHS	IP (BOPD)	BRIDGE PLUG DEPTH	TEMPORARILY ABANDONED DATE	P&A DATE	13 3/8"	# OF SXS	12 3/4"	# OF SXS	11 3/4"	# OF SXS	10 3/4"	# OF SXS	9 5/8"	# OF SXS	8 5/8"	# OF SXS	8 1/4"	# OF SXS	7"	# OF SXS	5 1/2"	# OF SXS	4 1/2"	# OF SXS	2 7/8"	# OF SXS	TOC		
FREN OIL CO	19	19 17S 31E	7,100	3/12/62	4/2/62	OIL	PERFORATE	7026-7095	182													1,391	675									7,100	1,935			2,354	
					4/22/80		PERFORATE & SQUEEZE (700 SXS)	2320, 1800 & 1415																													
					4/27/93		PERFORATE	6866-7019																													
FREN OIL CO	20	19 17S 31E	7,115	5/27/62	6/17/62	P&A	PERFORATE	6928-7086	226												1,439	750									7,113	1,200			0		
					1/16/71		PERFORATE & SQUEEZE (1250 SXS)	2110 & TOC @ 1910		6868	1/16/1971																										
					3/25/80		CLEAN OUT																														
					5/28/80		SET NEW BP & PERFORATED			2308																											
					3/29/96		P&A					3/29/1996																									
LEE FEDERAL	2	20 17S 31E	5,300	8/15/98	5/21/99	OIL	PERFORATE	4641-4973	23														442	400						5,274	1,800						
LEE FEDERAL	6	20 17S 31E	5,170	7/27/99	11/27/99	OIL	PERFORATE	4670-5038	16				450	450									1,368	700						5,165	1,235						
LEE FEDERAL	7	20 17S 31E	0	N/A		LOC																															
LEE FEDERAL	8	20 17S 31E	0	N/A		LOC																															
LEE FEDERAL	10	20 17S 31E	5,231	4/29/01	7/13/01	OIL	PERFORATE	4642-5042	27				453	450									1,367	650						5,231	1,250						
LEE FEDERAL	17	20 17S 31E	5,191	4/9/03	5/29/03	OIL	PERFORATE	4628-4948					317	400									1,351	570						5,190	800						
TURNER B	65	20 17S 31E	7,497	3/25/60	5/19/60	P&A	PERFORATE	7120-7152	288				477	795									3,800	3,300								7,497	500			4,800	
					2/4/62		PERFORATE & SQUEEZE (DRILL CMT OUT TO 7130')	7122-7128																													
					1/21/71		SET CIBP			6963	1/21/1971																										
					11/18/83		CLEAN OUT & TEST																														
					8/27/99		P&A					8/27/1999																									
FREN OIL CO	1	19 17S 31E	2,040	6/25/43	8/21/43	SHUT-IN	OPEN HOLE	1850-2030	44																				507	50		1,850	100				
					8/20/71						8/20/1971																										
FREN OIL CO	2	19 17S 31E	1,991	10/2/43	11/29/43	TA	OPEN HOLE	1821-1991	72														460	50					1,821	100							
					3/30/50		PERFORATE	1942-1989																													
					12/22/54		DEEPEN & OPEN HOLE COMPL.	3065-3116																								3,065	75				
					7/3/72		DEEPEN & CONV. TO INJ.	3181																													
					2/27/02		SET CIBP			3010	2/27/2002																										
FREN OIL CO	3	19 17S 31E	2,002	3/12/44	4/15/44	SHUT-IN	OPEN HOLE	1802-2002	145														482	50					1,802	100							
				3/12/44	7/1/55		DEEPEN	3134																							3,074	80					
					8/9/72		PLUG BACK (3100')& PERFORATE	2950-3044																													
FREN OIL CO	5	19 17S 31E	2,023	1/27/44	2/25/44	SHUT-IN	OPEN HOLE	1806-2023	152														485	50					1,806	100							
					8/20/71						8/20/1971																										
					11/19/46		OPEN HOLE	1809-2023	83														452	75					1,809	130							
					8/20/71		TA				8/20/1971																										
FREN OIL CO	7	19 17S 31E	3,312	10/19/46	12/12/63	INJ	DEEPEN (3100') & PERFORATE	2844-3071																									3,094	150			2,486
					5/30/80		CEM. 4 1/2" - 7"	2486-SURFACE																													
					12/3/97		PERFORATE & CONV. TO INJ. WELL	2820-2992																										2 3/8" @ 2749			
FREN OIL CO	8	19 17S 31E	1,979	11/27/46	12/28/46	INJ	OPEN HOLE	1792-2021	60														505	75					1,792	130							
					11/27/46		DEEPEN (3615') & PERFORATE	2755-3562																								3,578	465				
					3/24/76		P&A					3/24/1976																									
					12/3/97		PERFORATE & CONV. TO INJ. WELL	3074-3237 & 2722-3076		3320																								2659 OF 2 3/8"			
FREN OIL CO	11	19 17S 31E	2,042	5/4/47	6/4/47	SHUT-IN	OPEN HOLE	1809-2042	42														438	50					1,809	130							
					10/1/71		SHUT-IN, UNECONOMIC				10/1/1971																										
FREN OIL CO	12	19 17S 31E	3,141	12/14/54	2/11/55	INJ	OPEN HOLE	3080-3141	630														499	50					3,080	125							
					6/8/82		DEEPEN (3200') & PERFORATE	3060-3070																													

WELL LISTING
HALF MILE AREA OF REVIEW
GRAYBURG JACKSON WATERFLOOD
SEVEN RIVERS PILOT PROJECT

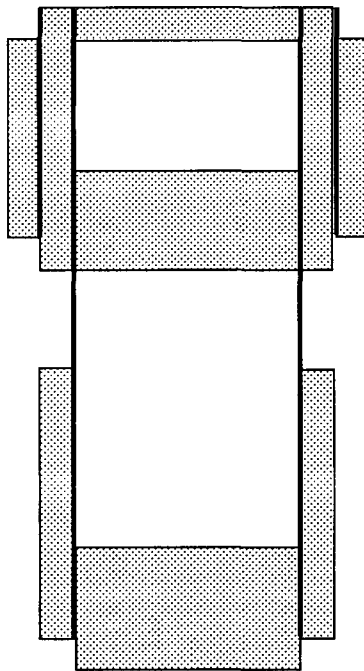
WELL NAME	WELL #	LOCATION	TD	SPUD DATE	COMPLETION DATE	CURRENT STATUS	TYPE OF COMPLETION	DEPTHS	IP (BOPD)	BRIDGE PLUG DEPTH	TEMPORARILY ABANDONED DATE	P&A DATE	13 3/8"	# OF SXS	12 3/4"	# OF SXS	11 3/4"	# OF SXS	10 3/4"	# OF SXS	9 5/8"	# OF SXS	8 5/8"	# OF SXS	8 1/4"	# OF SXS	7"	# OF SXS	5 1/2"	# OF SXS	4 1/2"	# OF SXS	2 7/8"	# OF SXS	TOC
FRIESS FEDERAL	1	19 17S 31E	3,521	9/18/41	4/15/42	P&A	OPEN HOLE	2719-2870	35															465	50	2,719	100								
					2/16/67		CLEAN OUT	3470																											
					8/13/69		PERFORATE (7" CSG COLLAPSE)	1901-1974		2431																									
					11/27/72		TA				11/27/1972																								
					6/7/97		P&A				6/7/1997																								
FRIESS FEDERAL	3	19 17S 31E	7,085	5/23/62	7/13/62	OIL	PERFORATE	7060-7070	984														1,405	200					7,085	850				1,454	
					5/17/63		PERFORATE	6955-7046																											
					4/5/65		SQZ ALL PERFS W/ 150 SXS & PERFORTE	6955-7005																											
					7/8/69		DRILL OUT (7095') & PERFORATE	6959-7095																											
					6/23/70		PERFORATE	2814-3176		3269																									
					8/9/85		SHUT-IN, UNECONOMIC																												
FRIESS FEDERAL	4	19 17S 31E	3,720	5/29/96	7/6/96	OIL	PERFORATE	2734-3322	147														390	375					3,719	1,350				0	
FRIESS FEDERAL	WI-5	19 17S 31E	3,440	12/6/97	1/27/98	INJ	PERFORATE	2720-3251															419	350					3,439	1,050					
					2/10/98		ACIDIZE & CONV. TO INJ. WELL																												
FRIESS, MAX	1	30 17S 31E	2,057	12/14/43	3/6/43	INJ	OPEN HOLE	1852-2057	10															524	50	1,852	100								
					2/25/55		PLUGGED BACK	2050																											
					10/1/57		DEEPEN & OPEN HOLE COMPL.	2830-3437																					2,830	100				1,980	
					7/11/72		PERFORATE & CONV. TO INJ. WELL	3108-3237																								3,423	155		
FRIESS, MAX	2	30 17S 31E	3,300	4/26/57	6/13/57	INJ	PERFORATE	3264-3276	206								582	100									3,300	100						2,375	
					9/24/58		PERFORATE	3098-3128																											
					9/9/73		PERFORATE	3191-3212																											
					1/30/86		PERFORATE & SQUEEZE (2150 W/125 SXS & 1800 W/125 SXS)	1985-2035																											
					11/11/90		CLEAN OUT	3286																											
					11/5/96		PERFORATE & CONV. TO INJ. WELL	2750-3282																								2,700			
FRIESS, MAX	4	30 17S 31E	3,397	8/26/57	10/6/57	INJ	PERFORATE	3358-3368	232								314	100									3,396	100						2,210	
					11/1/58		PERFORATE	3220-3240																											
					6/22/72		CONV. TO INJ. WELL			3300																									
					9/28/91		CLEAN OUT & PERFORATE	2903-3390																											
					4/14/97		PERFORATE & RETURN TO INJ.	2910-3562																											
FRIESS, MAX	5	30 17S 31E	3,810	3/12/91	3/30/91	OIL	PERFORATE	3036-3540	292														1,391	800					3,805	1,100					
FRIESS, MAX	6	30 17S 31E	3,937	5/5/92	5/21/92	OIL	PERFORATE	3089-3519	298				404	375									1,443	650					3,937	1,100				0	
TURNER A	35	19 17S 31E	3,635	12/2/67	1/17/68	INJ	PERFORATE & CONV. TO INJ. WELL	2930-3380															555	350							3,635	390		1,480	
					8/24/91		FILL W/ CMT 4 1/2" - 8 5/8"																												
					5/24/97		CLEAN OUT																												
TURNER A	36	19 17S 31E	3,442	11/18/67	12/10/67	OIL	PERFORATE	2934-3418	61													605	350					3,450	450					1,800	
TURNER A	47	19 17S 31E	3,743	5/7/96	6/1/96	OIL	PERFORATE	2690-3429	382															392	500					3,742	1,875				
TURNER A	49	19 17S 31E	3,670	4/15/96	5/23/96	OIL	PERFORATE	2741-3243	95															353	350					3,669	2,000			0	
TURNER A	50	19 17S 31E	3,775	2/15/96	4/5/96	OIL	PERFORATE	2706-3488	243															421	650					3,774	640			570	
TURNER A	51	19 17S 31E	3,665	4/8/96	5/13/96	OIL	PERFORATE	2689-3402	200															428	500					3,664	2,300			0	
TURNER B	12	20 17S 31E	2,022	3/12/44	6/6/44	TA	OPEN HOLE	1875-2022	50																										
					9/6/85		SET CIBP			1845	9/6/1985																609	50	1,875	100					
TURNER B	23	29 17S 31E	2,102	7/13/46	9/1/46	TA	OPEN HOLE	1995-2102	25																			558	50	1,995	100				
					12/11/68		TA				12/11/1968																								
TURNER B	41	20 17S 31E	3,455	5/14/53	7/16/53	INJ	PERFORATE	3290-3408	80														532	50					3,451	200					
					12/19/59		PERFORATE	2955-2980																											
					12/30/67		CONV. TO INJ. WELL																												
					1/18/70		SQUEEZE & PERFORATE	2900-2902																											
					2/13/97		PERFORATED & RETURN TO INJ.	2706-3108																								2 3/8" & 2639			
					3/7/01		CLEAN OUT & PRESSURE TEST																												
TURNER B	43	20 17S 31E	3,238	9/1/55	10/16/55	INJ	PERFORATE	3062-3078	168															528	50					3,237	125				2,345
					4/6/62		PERFORATE	3200-3210																											
					2/3/70		PERFORATE	3148-3163																											
					6/15/80		SQUEEZE & PERFORATE	2331-2332																										1,400	
					4/5/91		PERFORATE	2873-2994																											
					4/13/97		PERFORATE & CONV. TO INJ. WELL	2822-3129																											
TURNER B	44	20 17S 31E	3,342	10/30/55	11/21/55	INJ	PERFORATE	3161-3176	750															489	270					3,339	125				2,535
					3/11/69		CONV. TO INJ. WELL																												
					1/28/70		PERFORATE	3185-3269																											
					9/18/91		PERFORATE	3130-3334																											
					2/24/97		CLEAN OUT																												

WELL LISTING
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 GRAYBURG JACKSON WATERFLOOD
 SEVEN RIVERS PILOT PROJECT

WELL NAME	WELL #	LOCATION	TD	SPUD DATE	COMPLETION DATE	CURRENT STATUS	TYPE OF COMPLETION	DEPTHS	IP (BOPD)	BRIDGE PLUG DEPTH	TEMPORARILY ABANDONED DATE	P&A DATE	13 3/8"	12 3/4"	11 3/4"	10 3/4"	9 5/8"	8 5/8"	8 1/4"	7"	5 1/2"	4 1/2"	2 7/8"	TOC
TURNER B	50	29 17S 31E	3,375	10/6/57	11/25/57	INJ	PERFORATE	3306-3320	205															2,275
					6/18/59		PERFORATE	3208-3224																
					3/11/69		CONV. TO INJ. WELL			3305														
					1/22/70		CLEANED OUT & PERFORATE	3172-3285																
					7/18/91		DRILLED OUT CIBP & PERFORATE	2978-3156																
					3/17/97		PERFORATE & RETURN TO INJ.	2914-2948																
TURNER B	67	20 17S 31E	7,223	5/26/60	7/25/60	INJ	PERFORATE	3031-7054	192				470	525				3,800	900				7,221	3,697
					4/3/69		SQZ PERFS& CONV TO INJ. WELL	3155-3180		6930														
					1/30/70		PERFORATE	3060-3068																
					3/24/96		SQZ CSG LEAKS	478-513																
TURNER B	79	20 17S 31E	3,530	1/3/68	1/25/68	INJ	PERFORATE	2890-3124	67								605	350			3,530	500		1,300
					4/23/97		PERFORATE & CONV. TO INJ. WELL	2739-3469																
TURNER B	89	29 17S 31E	3,800	12/30/90	1/18/91	OIL	PERFORATE	3117-3309	316									600	465			3,800	2,375	
					1/19/91		PERFORATE	3065-3530	165									589	465			3,800	1,500	
TURNER B	93	20 17S 31E	3,821	1/18/91	2/22/91	OIL	PERFORATE	2864-3681	250			452	650					1,421	700				3,821	900
TURNER B	95	20 17S 31E	3,700	1/17/91	2/19/91	OIL	PERFORATE	2815-3551	113									603	465			3,700	3,050	
TURNER B	96	20 17S 31E	3,752	1/27/91	2/16/91	OIL	PERFORATE	2725-3514	134									597	700			3,752	2,200	
TURNER B	100	20 17S 31E	3,580	2/9/91	2/18/91	OIL	PERFORATE	3213-3454	60					465	425			1,422	550			3,576	750	
TURNER B	101	20 17S 31E	3,857	6/7/92	8/21/92	OIL	PERFORATE	3031-3800	48			367	400					1,246	800			3,856	1,100	
TURNER B	115	20 17S 31E	3,600	2/16/99	3/16/99	OIL	PERFORATE	2696-3406	242									425	725			3,598	1,700	
TURNER B	118	20 17S 31E	3,760	6/18/96	8/19/96	OIL	PERFORATE	2821-3517	300									339	350			3,759	1,325	
CHERRY VANILLA	1	19 17S 31E	11,760	10/30/02	1/9/02	GAS	PERFORATE	11229-11236				434	400				4,531	3,525				11,760	1,350	
CHOCOLATE MOOSE	1	20 17S 31E	4,550	12/20/01	1/10/02	DRY	LOST HOLE	4503			1/15/2002	445	500											
CHOCOLATE MOOSE	1-Y	20 17S 31E	11,736	1/17/02	5/9/02	GAS	PERFORATE	11310-11330				440	700				4,535	2,175				11,736	1,050	
FREN OIL CO COM	21	19 17S 31E	12,299	3/27/65	6/17/65	TA	PERFORATE	6944-6996 & 11142-11218		11500			369	300			3,210	600			12,275	575		
					1/17/81		SQUEEZE & PERFORATE	5768-5770 & 5050 5052																
					1/17/81		SQUEEZE CASING LEAKS	8170-8385																
					1/31/01		TA			11980	1/31/2001													
					2/20/03		RE-ENTER, TA			8570	2/20/2003													
FRIESS	3	30 17S 31E	2,033	2/6/47	4/21/47	P&A	OPEN HOLE	1954-2033	40								435	50			1,954	100		
					6/7/56		P&A				6/7/1956													
TURNER B	75	29 17S 31E	9,900	11/6/60	1/10/61	DRY	P&A				1/10/1961						1,608	650						0

DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

WELL NAME: FREN OIL COMPANY #4			FIELD: GRAYBURG-JACKSON			
LOCATION: 1980'FSL & 660'FEL, SEC 19-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3609'; KB=UNK			SPUD DATE: 12/08/43		COMP DATE: 01/21/44	
API#: 30-015-05252		PREPARED BY: C.H. CARLETON			DATE: 10/05/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 480'	8 5/8"	32#			12"
CASING:	0' - 1845'	7"	20#			8 1/2"
CASING:	UNK - 3178'	5 1/2"	15.5#	J-55		6 1/4"
TUBING:						
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY CORPORATION(NEVADA)

DATE PLUGGED: 07/08/77

CEMENT PLUG: 0'- 10'

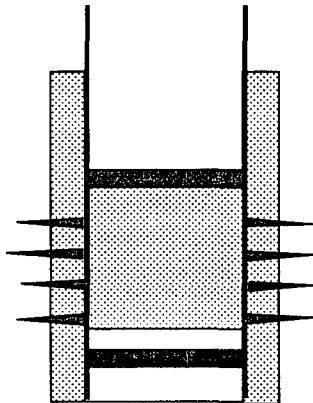
CEMENT PLUG: 370'- 570'

8 5/8" CASING @ 480' W/60 SXS. TOC @ 380' (calculated)

PERF 7" CASING @ 570'

CEMENT PLUG: 1580'- 1892'

7" CASING @ 1845' W/100 SXS. TOC @ 1320' (calculated)



CUT 5 1/2" CASING (DEPTH UNKNOWN)

CEMENT RETAINER @ 2607', PUMP 150 SXS BELOW RETAINER.

PERFORATIONS: 2722'- 3152' (OA)

CIBP @ 3170'

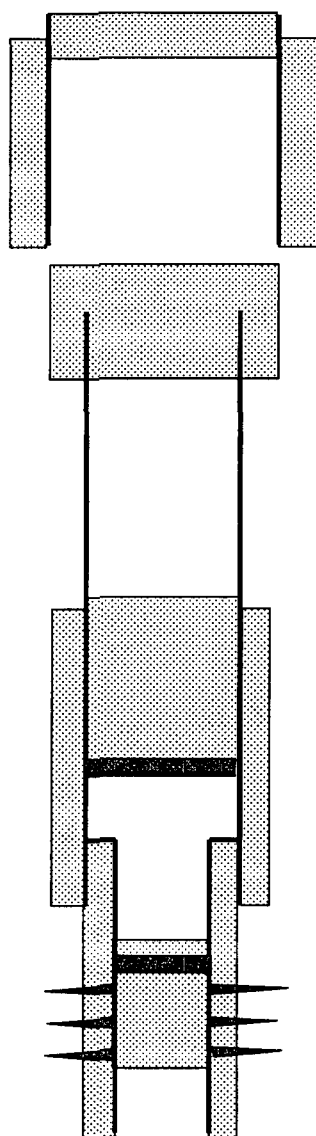
5 1/2" CASING @ 31278' W/85 SXS. TOC @ 2010' (calculated)

TD @ 3185'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

WELL NAME: FREN OIL COMPANY #6			FIELD: GRAYBURG-JACKSON			
LOCATION: 990'FSL & 1650'FEL, SEC 19-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=UNK; KB=UNK; DF=3591'			SPUD DATE: 08/10/46		COMP DATE: 09/09/46	
API#: 30-015-05254		PREPARED BY: C.H. CARLETON			DATE: 10/05/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 500'	8 5/8"	24#			12"
CASING:	585' - 1818'	7"	20#			8 1/4"
CASING:	1767' - 3643'	4 1/2"	9.5#			6"
TUBING:						
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY CORPORATION(NEVADA)
DATE PLUGGED: 10/13/75

CEMENT PLUG: 0'- 50'
8 5/8" CASING @ 500' W/75 SXS. TOC @ 370' (calculated)

CEMENT PLUG: 510'- 660'
CUT 7" CASING @ 585'

CEMENT RETAINER @ 1693', CAP WITH 300' CEMENT.

TOP OF 4 1/2" LINER @ 1767'
7" CASING @ 1818' W/150 SXS. TOC @ 870' (calculated)

CEMENT RETAINER @ 2800', PUMP 75 SXS BELOW & CAP W/2 SXS.

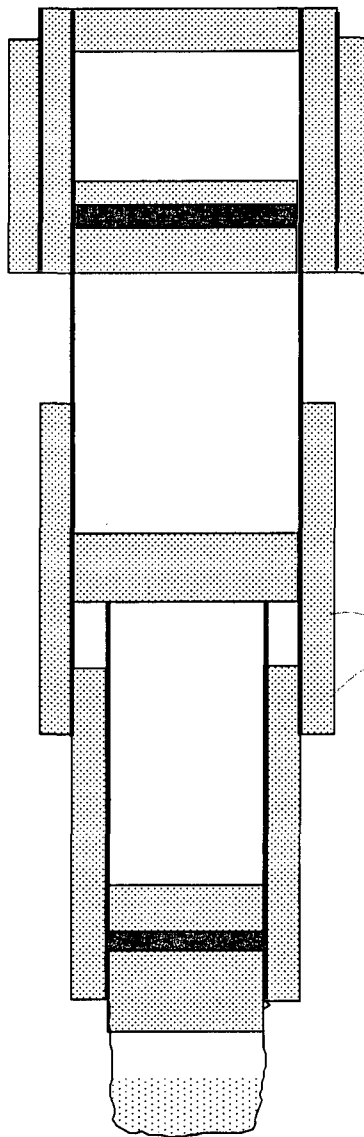
PERFORATIONS: 2911'- 3546' (OA)

4 1/2" LINER @ 1767'- 3643' W/295 SXS.
TD @ 3643'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

WELL NAME: FREN OIL COMPANY #9			FIELD: GRAYBURG-JACKSON			
LOCATION: 2310'FSL & 330'FEL, SEC 19-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3611'; KB=UNK			SPUD DATE: 02/06/47		COMP DATE: 04/28/47	
API#: 30-015-05257		PREPARED BY: C.H. CARLETON			DATE: 10/05/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 506'	8 5/8"	24#			12"
CASING:	0' - 2595'	7"	20#	J-55		8 1/2"
CASING:	0' - 2950'	5 1/2"	15.5#	J-55		6 1/4"
TUBING:						
TUBING:						



☒ CURRENT

☐ PROPOSED

OPERATOR: DEVON ENERGY CORPORATION(NEVADA)
DATE PLUGGED: 11/17/76

CEMENT PLUG: 0'- 50'
CEMENT RETAINER @ 469', PUMP 130 SXS BELOW & CAP WITH 2 SXS.
8 5/8" CASING @ 506' W/50 SXS. TOC @ 420' (calculated)
PERFORATE 7" CASING @ 500'

CEMENT PLUG: 1422'- 1530'
CUT 5 1/2" CASING @ 1530'

7" CASING @ 2595' W/150 SXS. TOC @ 1810' (calculated)

CEMENT RETAINER @ 2846', PUMP 100 SXS BELOW & CAP W/100' CMT.
5 1/2" CASING @ 2950' W/125 SXS. TOC @ 1230' (calculated)

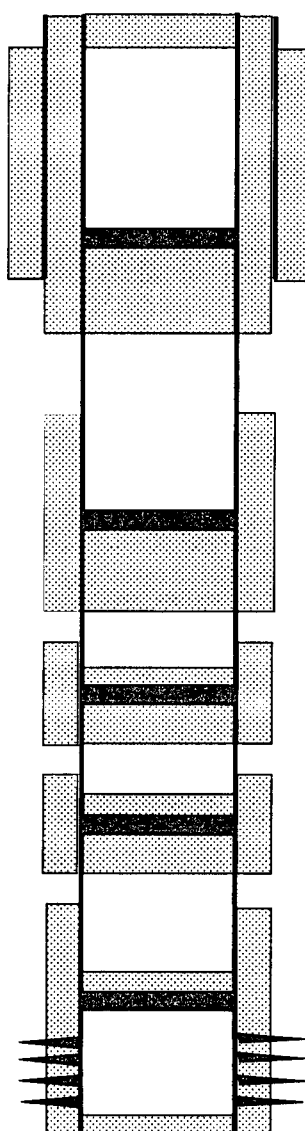
OPEN HOLE COMPLETION: 2950'- 3121'

PBTD @ 3121' (PEA GRAVEL)
TD @ 3445'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

WELL NAME: MAX FRIESS #3			FIELD: GRAYBURG-JACKSON			
LOCATION: 1980'FNL & 1980'FEL, SEC 30-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3597'; KB=UNK			SPUD DATE: 07/01/57		COMP DATE: 08/13/57	
API#: 30-015-05470		PREPARED BY: C.H. CARLETON			DATE: 10/05/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 586'	10 3/4"	28.6#			
CASING:	0' - 3451'	7"	17.20#			
CASING:						
TUBING:						
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY CORPORATION(NEVADA)
DATE PLUGGED: 08/13/79

CEMENT PLUG: 0'- 10'
CEMENT RETAINER @ 556', PUMP 250 SXS BELOW RETAINER
10 3/4" CASING @ 586' W/100 SXS. TOC @ 230' (calculated)

PERFORATE 7" CASING @ 650'. CEMENT TO SURFACE.

CEMENT RETAINER @ 1744', PUMP 250 SXS BELOW RETAINER.

PERFORATE 7" CASING @ 1410'

CEMENT RETAINER @ 1366', PUMP 379 SXS BELOW & CAP W/15' CMT
PERFORATE 7" CASING @ 1916'

CEMENT RETAINER @ 2234', PUMP 379 SXS BELOW & CAP W/15' CMT
PERFORATE 7" CASING @ 2310'- 2312'

CIBP @ 2846' & CAPPED WITH 100' CEMENT

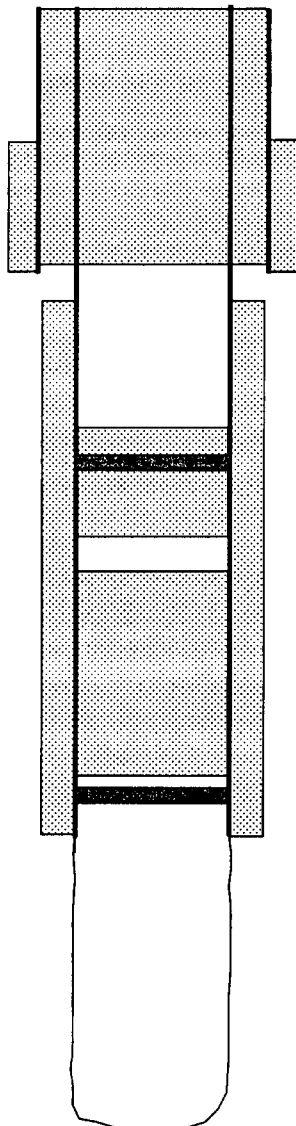
PERFORATIONS: 2908'- 3396' (OA)

7" CASING @ 3451' W/100 SXS. TOC @ 2400'(TEMP SURVEY)
TD @ 3451'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

WELL NAME: TURNER "A" #16			FIELD: GRAYBURG-JACKSON(SEVEN RIVERS)			
LOCATION: 1980' FNL & 660' FEL, SEC 19-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3613'; KB=UNK			SPUD DATE: 03/02/44		COMP DATE: 04/29/44	
API#: 30-015-05241		PREPARED BY: C.H. CARLETON			DATE: 02/14/01	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 491'	7"	17#			
CASING:	0' - 1876'	5 1/2"	14#			
CASING:						
TUBING:						
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY CORPORATION (NEVADA)
PLUGGED & ABANDONED: 06/21/86

CEMENT PLUG: 0'-485' W/197 SXS

PERF 4 HOLES @ 485'
7" CASING @ 491' W/50 SXS. TOC @ 270' (calculated)

CMT RET @ 1190'. PUMP 150 SXS BELOW RETAINER & CAP W/60' CMT

PERF 4 HOLES @ 1300'

CEMENT PLUG: 1400'-1830' W/53 SXS

CIBP @ 1840'
5 1/2" CASING @ 1876' W/100 SXS. TOC @ 500' (calculated)

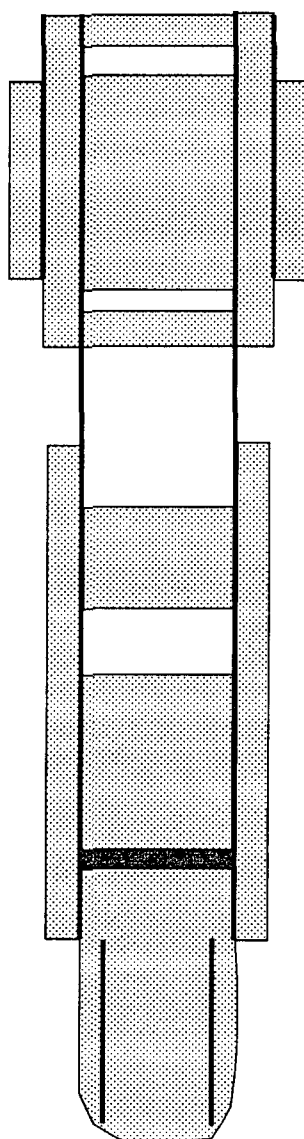
4 3/4" OPEN HOLE: 1876'- 1927'
INTERVAL 1885'-1910' SHOT W/60 QTS OF NITRO

TD @ 1927'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

WELL NAME: TURNER "A" #17			FIELD: GRAYBURG-JACKSON(SEVEN RIVERS)			
LOCATION: 1980'FNL & 1980'FEL, SEC 19-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3620'; KB=UNK			SPUD DATE: 08/29/44		COMP DATE: 10/24/44	
API#: 30-015-05242		PREPARED BY: C.H. CARLETON			DATE: 10/05/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 493'	7"	17,24#			
CASING:	0' - 1847'	5 1/2"	14#			
LINER:	1843' - 1950'	4"				
TUBING:						
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY CORPORATION(NEVADA)
DATE PLUGGED: 10/12/85

CEMENT PLUG: 0'- 90'
CEMENT PLUG: 120'- 518'
7" CASING @ 473' W/50 SXS. TOC @ 240' (calculated)

CEMENT PLUG: 530'- 550'

CEMENT PLUG: 1100'- 1305'

CEMENT RETAINER @ 1781', PUMP 150 SXS BELOW & CAP W/335' CMT.

5 1/2" CASING @ 1847' W/100 SXS. TOC @ 810' (calculated)

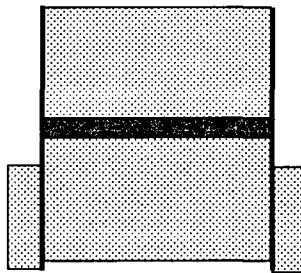
OPEN HOLE COMPLETION: 1847'- 1965'

4" LINER @ 1843'-1950' (LANDED NOT CEMENTED)
TD @ 1965'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

WELL NAME: TURNER "A" #20			FIELD: GRAYBURG-JACKSON(SEVEN RIVERS)			
LOCATION: 2310'FNL & 990'FEL, SEC 19-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3698'; KB=UNK;			SPUD DATE: 04/15/48		COMP DATE: 06/08/48	
API#: 30-015-05245		PREPARED BY: C.H. CARLETON			DATE: 04/23/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 510'	7"	24#			
CASING:	705' - 1866'	5 1/2"	14#			
CASING:						
TUBING:						
TUBING:						



CURRENT



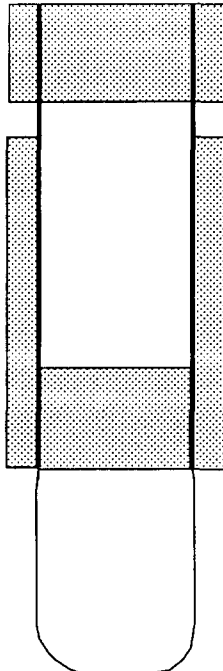
PROPOSED

OPERATOR: DEVON ENERGY CORPORATION(NEVADA)

DATE PLUGGED: 03/02/76

CEMENT RETAINER @ 200', PUMP 80 SXS BELOW & CAP WITH 45 SXS.

7" CASING @ 510' W/50 SXS. TOC @ 270'(calculated)



CUT 5 1/2" CASING @ 705'

CEMENT PLUG: 705'- 950'

CEMENT PLUG: 1686'- 1866'

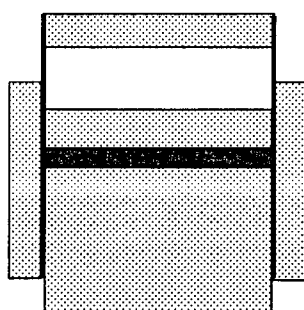
5 1/2" CASING @ 1866' W/100 SXS. TOC @ 1010'(calculated)

OPEN HOLE COMPLETION: 1866'- 1935'

TD @ 1935'

DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

WELL NAME: TURNER "A" #21			FIELD: GRAYBURG-JACKSON(SEVEN RIVERS)			
LOCATION: 2310'FNL & 2310'FEL, SEC 19-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3614'; KB=UNK;			SPUD DATE: 10/10/48		COMP DATE: 11/29/48	
API#: 30-015-05246		PREPARED BY: C.H. CARLETON			DATE: 10/05/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 500'	8 5/8"	24#			
CASING:	950' - 1855'	5 1/2"	14#			
CASING:						
TUBING:						
TUBING:						



CURRENT



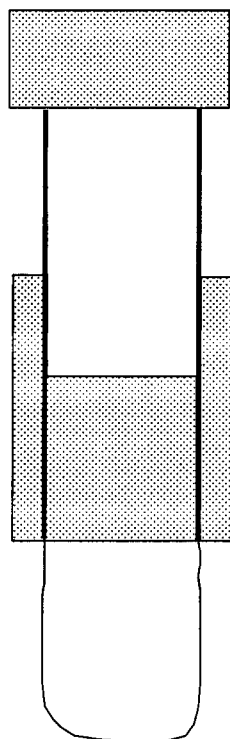
PROPOSED

OPERATOR: DEVON ENERGY CORPORATION(NEVADA)

DATE PLUGGED: 02/24/76

CEMENT PLUG: 0'- 35'

CEMENT RETAINER @ 270', PUMP 200 SXS BELOW & CAP WITH 15 SXS.
8 5/8" CASING @ 500' W/30 SXS. TOC @ 360' (calculated)



CEMENT PLUG: 800'- 950'

CUT 5 1/2" CASING @ 950'

CEMENT PLUG: 1500'- 1855'

5 1/2" CASING @ 1855' W/75 SXS. TOC @ 1570' (calculated)

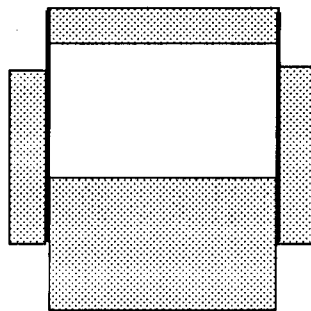
OPEN HOLE COMPLETION: 1855'- 1932'

TD @ 1932'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

WELL NAME: TURNER "B" #14			FIELD: GRAYBURG-JACKSON(SEVEN RIVERS)			
LOCATION: 660'FSL & 1980'FWL, SEC 20-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3667' ; KB=UNK			SPUD DATE: 06/15/44		COMP DATE: 08/16/44	
API#: 30-015-05286		PREPARED BY: C.H. CARLETON			DATE: 10/05/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 556'	7"	20#			
CASING:	700' - 1940'	5 1/2"	14#			
CASING:						
TUBING:						
TUBING:						



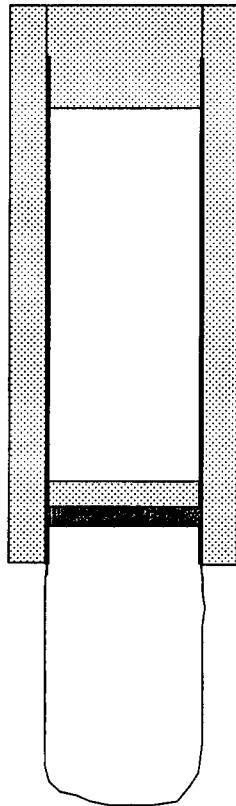
CURRENT



PROPOSED

OPERATOR: DEVON ENERGY CORPORATION(NEVADA)
DATE PLUGGED: 03/16/76

CEMENT PLUG: 0'- 50' W/10 SXS
CEMENT PLUG: 506'- 606' W/35 SXS
7" CASING @ 556' W/50 SXS. TOC @ 150' (calculated)



CEMENT PLUG: 650'- 750' W/35 SXS
CUT 5 1/2" CASING @ 700'

CIBP @ 1850' & CAPPED WITH 100' CEMENT
5 1/2" CASING @ 1940' W/100 SXS. TOC @ 570' (calculated)

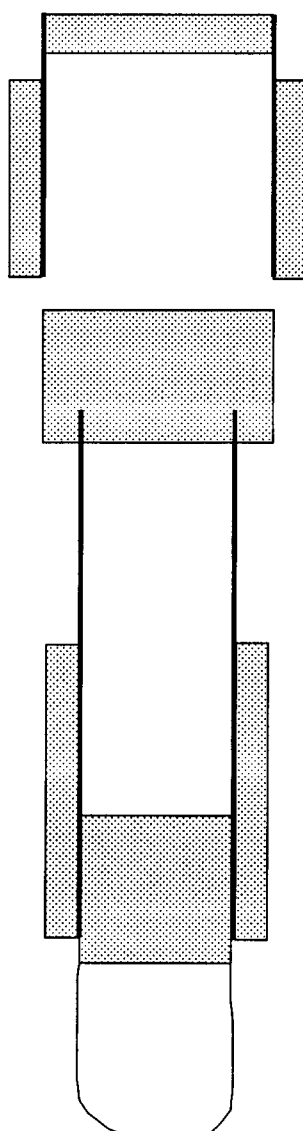
OPEN HOLE COMPLETION: 1940'- 2115'

TD @ 2115'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

WELL NAME: TURNER "B" #26			FIELD: GRAYBURG-JACKSON(SEVEN RIVERS)			
LOCATION: 1650'FSL & 330'FWL, SEC 20-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3615'; KB=UNK			SPUD DATE: 10/15/47		COMP DATE: 01/02/48	
API#: 30-015-05294		PREPARED BY: C.H. CARLETON			DATE: 10/05/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 536'	7"	20#			
CASING:	706' - 1932'	5 1/2"	14#			
CASING:						
TUBING:						
TUBING:						



☒ CURRENT
 ☐ PROPOSED

OPERATOR: DEVON ENERGY CORPORATION(NEVADA)
 DATE PLUGGED: 03/13/76

CEMENT PLUG: 0'- 50'

7" CASING @ 536' W/50 SXS. TOC @ 130' (calculated)

CEMENT PLUG: 615'- 785'

CUT 5 1/2" CASING @ 706'

CEMENT PLUG: 1850'- 1950'

5 1/2" CASING @ 1932' W/100 SXS. TOC @ 1140' (calculated)

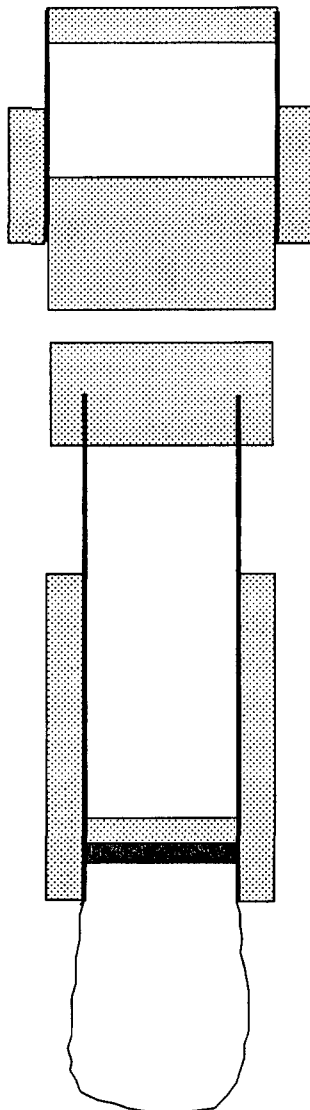
OPEN HOLE COMPLETION: 1932'- 2010'

TD @ 2010'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

WELL NAME: TURNER "B" #27			FIELD: GRAYBURG-JACKSON(SEVEN RIVERS)			
LOCATION: 330'FSL & 330'FWL, SEC 20-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3613' ; KB=UNK			SPUD DATE: 10/22/47		COMP DATE: 12/31/47	
API#: 30-015-05295		PREPARED BY: C.H. CARLETON			DATE: 10/05/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 527'	8 1/4"	24#			
CASING:	850' - 1939'	5 1/2"	14#			
CASING:						
TUBING:						
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY CORPORATION(NEVADA)
DATE PLUGGED: 03/11/76

CEMENT PLUG: 0'- 35' W/10 SXS
CEMENT PLUG: 457'- 557' W/40 SXS
8 1/4" CASING @ 527' W/50 SXS. TOC @ 350' (calculated)

CEMENT PLUG: 800'- 900' W/35 SXS
CUT 5 1/2" CASING @ 850'

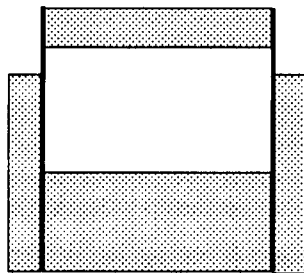
CIBP @ 1850' & CAPPED WITH 10 SXS CEMENT
5 1/2" CASING @ 1939' W/100 SXS. TOC @ 1150' (calculated)

OPEN HOLE COMPLETION: 1939'- 2034'

TD @ 2034'

DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

WELL NAME: TURNER "B" #28			FIELD: GRAYBURG-JACKSON(SEVEN RIVERS)			
LOCATION: 2310'FSL & 330'FWL, SEC 20-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3617'; KB=UNK			SPUD DATE: 04/22/48		COMP DATE: 06/08/48	
API#: 30-015-05296		PREPARED BY: C.H. CARLETON			DATE: 10/05/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 511'	7"	20#			
CASING:	700' - 1873'	5 1/2"	14#			
CASING:						
TUBING:						
TUBING:						



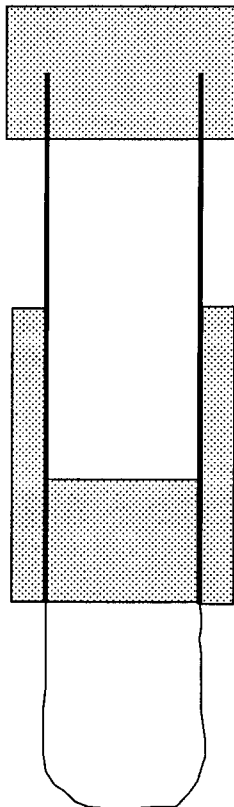
CURRENT



PROPOSED

OPERATOR: DEVON ENERGY CORPORATION(NEVADA)
DATE PLUGGED: 03/08/76

CEMENT PLUG: 0'- 50'
CEMENT PLUG: 450'- 511'
7" CASING @ 511' W/50 SXS. TOC @ 110' (calculated)



CEMENT PLUG: 650'- 800'
CUT 5 1/2" CASING @ 700'

CEMENT PLUG: 1665'- 1873'

5 1/2" CASING @ 1873' W/100 SXS. TOC @ 1080' (calculated)

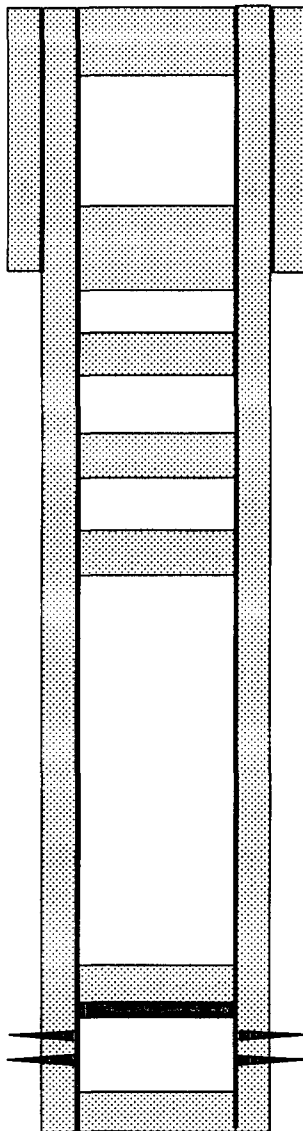
OPEN HOLE COMPLETION: 1873'- 1949'

TD @ 1949'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

WELL NAME: TURNER "B" #70			FIELD: CEDAR LAKE ABO			
LOCATION: 330' FSL & 660' FWL, SEC 20-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3627'; KB=3641'			SPUD DATE: 08/12/60		COMP DATE: 09/09/60	
API#: 30-015-05301		PREPARED BY: C.H. CARLETON			DATE: 08/04/99	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 1600'	8 5/8"	24#	J-55		11"
CASING:	0' - 7200'	4 1/2"	11.6#, 9.5#	J-55		7 7/8"
CASING:						
TUBING:						
TUBING:						



CURRENT



PROPOSED

**OPERATOR: ARCO OIL AND GAS COMPANY
PLUGGED & ABANDONED 12/06/87**

CEMENT PLUG: SURFACE-425' WITH 30 SXS
CEMENT PLUG: 1294'-1650' WITH 25 SXS
8 5/8" CASING @ 1600' W/900 SXS. TOC @ SURFACE

CEMENT PLUG: 1894'-2250' WITH 25 SXS

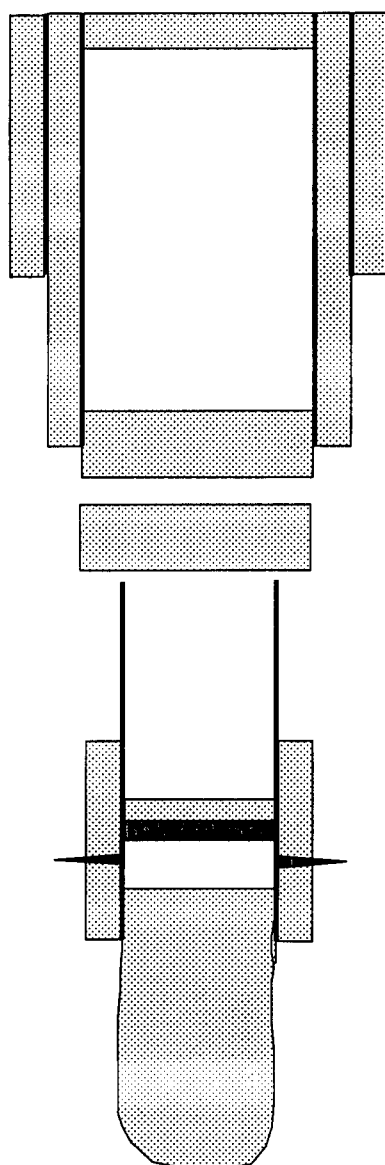
CEMENT PLUG: 2594'-2950' WITH 25 SXS

CEMENT PLUG: 3194'-3550' WITH 25 SXS

CIBP @ 6980', CAPPED WITH 25 SXS CEMENT - TOC @ 6624'
ABO PERFORATIONS: 7042'-7058' (OA) - 32 HOLES
PBTD @ 7165'
4 1/2" CASING @ 7200' W/1300 SXS. TOC @ SURFACE
TD @ 7200'

DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

WELL NAME: TURNER "B" #58			FIELD: GRAYBURG-JACKSON			
LOCATION: 1650'FNL & 660'FWL, SEC 29-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3644"; KB=UNK			SPUD DATE: 07/27/59		COMP DATE: 01/07/60	
API#: 30-015-05445		PREPARED BY: C.H. CARLETON			DATE: 10/07/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 230'	13 3/8"	35.6#			17 1/2"
CASING:	0' - 3825'	9 5/8"	36,40#	J-55		12 1/4"
CASING:	5003' - 9900'	5 1/2"	17#	J-55		8 3/4"
TUBING:						
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY CORPORATION(NEVADA)
DATE PLUGGED: 10/12/71

CEMENT PLUG: 0'- 30' W/10 SXS

13 3/8" CASING @ 230' W/300 SXS. TOC @ SURFACE

CEMENT PLUG: 3787'- 3863' W/35 SXS
9 5/8" CASING @ 3825' W/2508 SXS. TOC @ SURFACE

CEMENT PLUG: 4895'- 5000' W/35 SXS
CUT 5 1/2" CASING @ 5003'

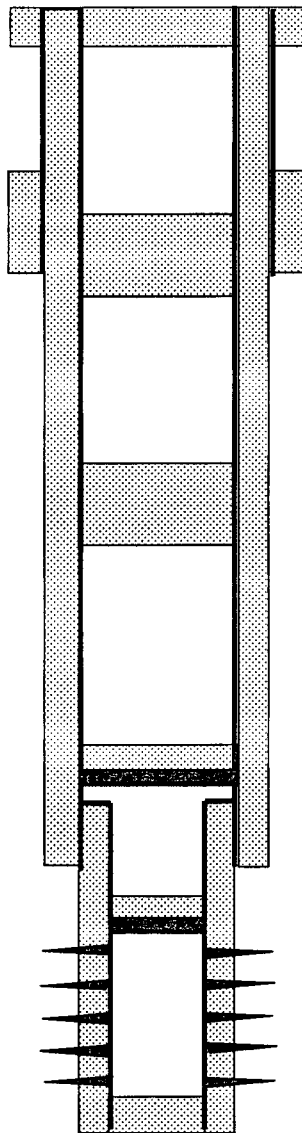
CIBP @ 9694' AND CAPPED WITH 20' CEMENT(3 SXS)
PERFORATIONS 9759'- 9767' SQUEEZED W/200 SXS
PBTD @ 9845'
5 1/2" CASING @ 9900' W/150 SXS. TOC @ 9430' (TEMP SURVEY)

OPEN HOLE: 9900'- 13,714'

TD @ 13,714'

DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

WELL NAME: FREN OIL COMPANY #10			FIELD: GRAYBURG-JACKSON			
LOCATION: 990'FSL & 330'FEL, SEC 19-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3599'; KB=UNK			SPUD DATE: 01/05/47		COMP DATE: 01/31/47	
API#: 30-015-05258		PREPARED BY: C.H. CARLETON			DATE: 11/26/01	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 494'	8 5/8"	24#			
CASING:	0' - 1780'	7"	20#			
CASING:	1715' - 3308'	4 1/2"	9.5#			6 1/4"
TUBING:						
TUBING:						



☒ CURRENT ☐ PROPOSED

OPERATOR: DEVON ENERGY PRODUCTION COMPANY, L.P.
PLUGGED & ABANDONED: 11/21/01

CEMENT PLUG: 0'-50', CIRC. TO SURFACE OUTSIDE 8 5/8" ANNULUS.
CEMENT PLUG: 450'-565'

8 5/8" CASING @ 494' W/75 SXS. TOC @ 300' (calculated)

CEMENT PLUG: 1178'-1300'

CIBP @ 1700' & CAPPED WITH 10 SXS CEMENT

7" CASING @ 1780' W/130 SXS. TOC @ SURFACE

CIBP @ 2864' & CAPPED WITH 5 SXS CEMENT

PERFORATIONS: 2925'- 3248'(OA) - 182 HOLES

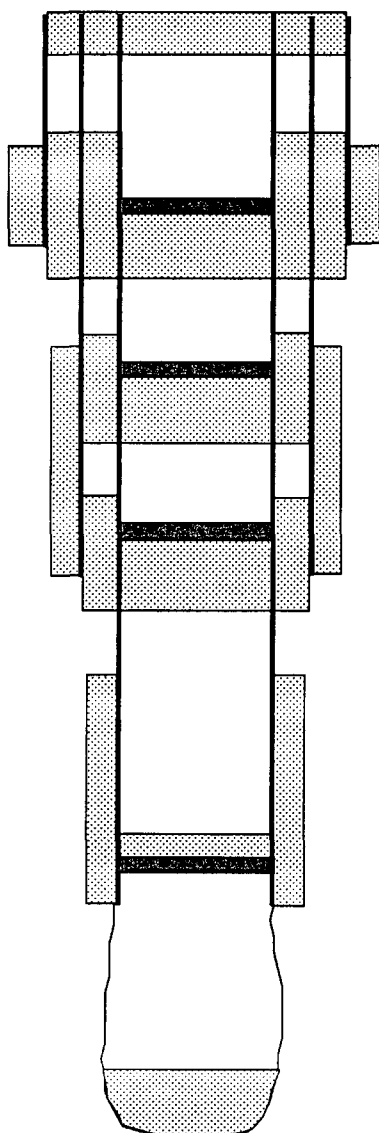
PBTD @ 3255'

4 1/2" LINER @ 1715'- 3308' W/225 SXS. TOC @ LINER TOP
TD @ 3308'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

WELL NAME: FRIESS FEDERAL #2			FIELD: GRAYBURG-JACKSON			
LOCATION: 1980'FSL & 1980'FEL, SEC 19-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3603'; KB=UNK			SPUD DATE: 07/18/44		COMP DATE: 09/01/44	
API#: 30-015-05268		PREPARED BY: C.H. CARLETON			DATE: 12/04/01	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 470'	8 1/4"	28#			
CASING:	0' - 1804'	7"	20#			
CASING:	0' - 2980'	5 1/2"	14#	H-40, J-55	ST&C	6 1/4"
TUBING:						
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY PRODUCTION COMPANY, L.P.

DATE PLUGGED: 12/03/01

CEMENT PLUG: 0'-50' WITH 50 SXS

PERFORATE 5 1/2" CASING @ 50' WITH 4 HOLES

CEMENT RETAINER @ 420', PUMPED 150 SXS BELOW RETAINER

8 1/4" CASING @ 470' W/50 SXS. TOC @ 290'(calculated)

PERFORATE 5 1/2" CASING @ 520' WITH 4 HOLES

CEMENT RETAINER @ 1130', PUMPED 50 SXS BELOW RETAINER

PERFORATE 5 1/2" CASING @ 1240' WITH 4 HOLES

CEMENT RETAINER @ 1750', PUMPED 200 SXS BELOW RETAINER

7" CASING @ 1804' W/100 SXS. TOC @ 1000'(calculated)

JET CUT 5 1/2" CASING @ 1846' & 1850'

NOTE: 9.5ppg MUD SPOTTED BETWEEN CEMENT PLUGS.

CIBP @ 2950' & CAPPED WITH 5 SXS CEMENT

5 1/2" CASING @ 2980' W/45 SXS. TOC @ 2360'(calculated)

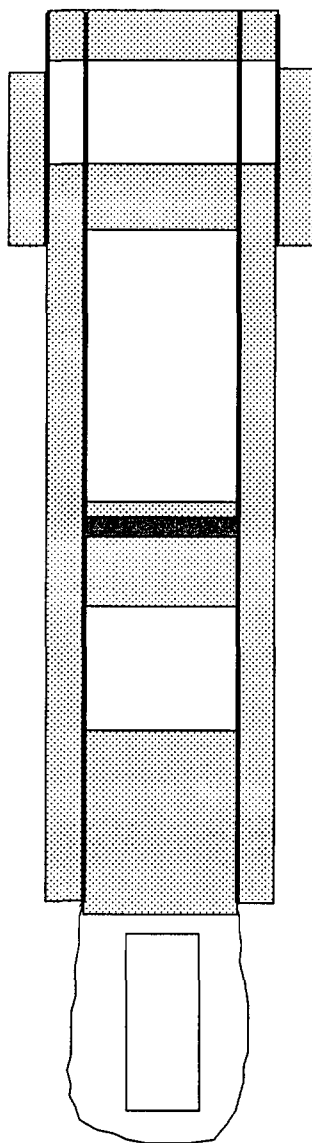
4 3/4" OPEN HOLE COMPLETION: 2980'- 3122'

PBTD @ 3122' (CEMENT PLUG)

TD @ 3255'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

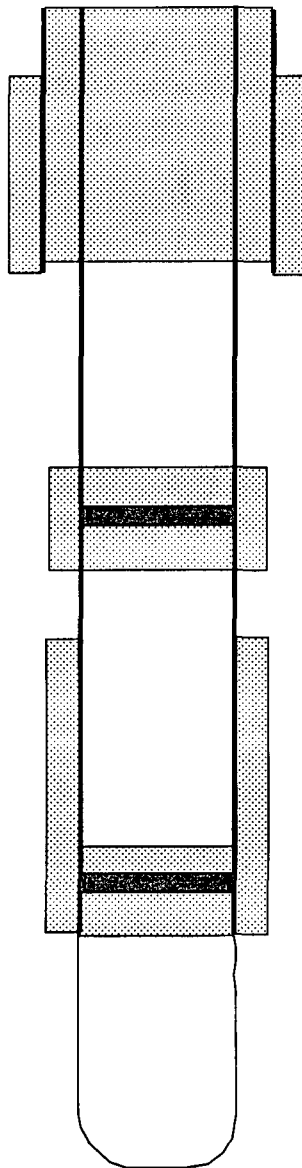
WELL NAME: TURNER "B" #13			FIELD: GRAYBURG-JACKSON(SEVEN RIVERS)			
LOCATION: 660'FSL & 660'FWL, SEC 20-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3628' ; KB=UNK			SPUD DATE: 05/28/44		COMP DATE: 08/13/44	
API#: 30-015-05285		PREPARED BY: C.H. CARLETON			DATE: 10/05/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 534'	7"	20#			
CASING:	0' - 1891'	5 1/2"	14#			
CASING:						
TUBING:						
TUBING:						

☐ PROPOSED

TD @ 2051'

DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

WELL NAME: TURNER "B" #15			FIELD: GRAYBURG-JACKSON(SEVEN RIVERS)			
LOCATION: 1980'FNL & 660'FWL, SEC 20-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3625'; KB=UNK; DF=UNK			SPUD DATE: 08/31/44		COMP DATE: 11/04/44	
API#: 30-015-05287		PREPARED BY: C.H. CARLETON			DATE: 10/05/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 510'	8 1/4"				10"
CASING:	0' - 1875'	7"	20#			8"
CASING:						
TUBING:						
TUBING:						



☒ CURRENT

☐ PROPOSED

OPERATOR: DEVON ENERGY CORPORATION(NEVADA)
DATE PLUGGED: 10/10/86

CEMENT PLUG: 0'- 500'
PERFORATE 7" CASING @ 500'
8 1/4" CASING @ 510' W/50 SXS. TOC @ 330' (calculated)

CEMENT RETAINER @ 1244', PUMP 150 SXS BELOW & CAP W/20' CMT.
PERFORATE 7" CASING @ 1300'

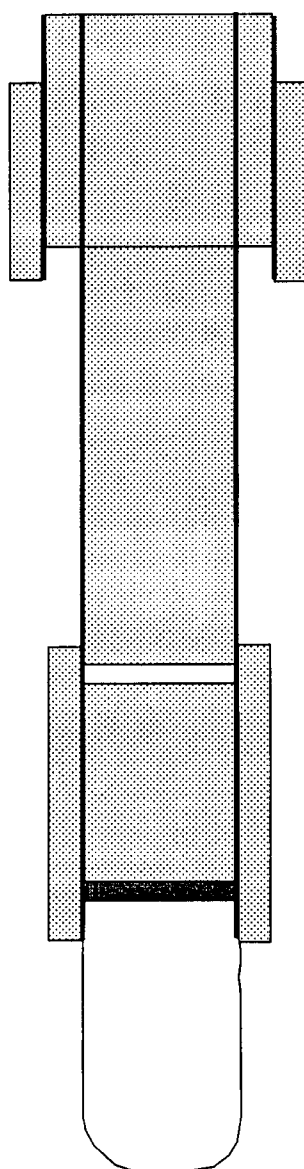
CEMENT RETAINER @ 1801', PUMP 150 SXS BELOW & CAP W/60' CMT.
7" CASING @ 1875' W/100 SXS. TOC @ 1070' (calculated)

OPEN HOLE COMPLETION: 1875'- 1949'

TD @ 1949'

DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

WELL NAME: TURNER "B" #16				FIELD: GRAYBURG-JACKSON(SEVEN RIVERS)		
LOCATION: 1980'FNL & 1980'FWL, SEC 20-T17S-R31E				COUNTY: EDDY		STATE: NM
ELEVATION: GL=3713'; KB=UNK				SPUD DATE: 11/02/44		COMP DATE: 12/31/44
API#: 30-015-05288		PREPARED BY: C.H. CARLETON			DATE: 10/05/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 536'	8 5/8"	24#			10"
CASING:	0' - 1876'	7"	20#			8"
CASING:						
TUBING:						
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY CORPORATION(NEVADA)
DATE PLUGGED: 07/03/86

CEMENT PLUG: 0'- 530'
PERFORATE 7" CASING @ 530'
8 5/8" CASING @ 536' W/50 SXS. TOC @ 300' (calculated)

CEMENT PLUG: 530'- 1450'

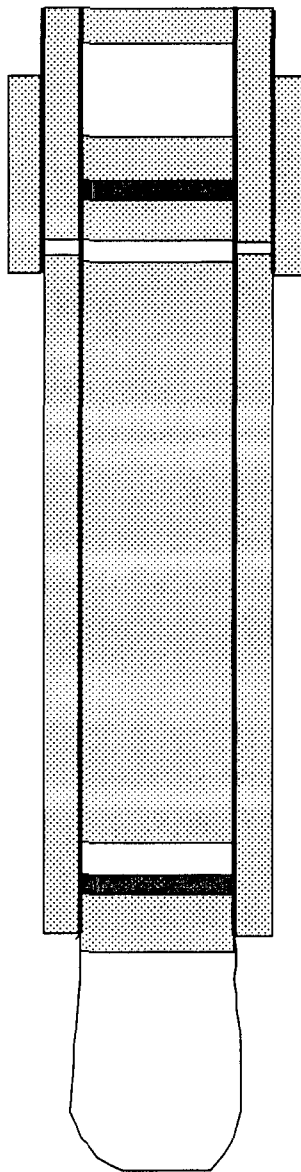
CIBP @ 1850', CAP WITH 115 SXS.
7" CASING @ 1876' W/100 SXS. TOC @ 1070' (calculated)

OPEN HOLE COMPLETION: 1876'- 1974'

TD @ 1974'

DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

WELL NAME: TURNER "B" #17			FIELD: GRAYBURG-JACKSON(SEVEN RIVERS)			
LOCATION: 1980'FSL & 1980'FWL, SEC 20-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3662'; KB=UNK			SPUD DATE: 11/12/44		COMP DATE: 02/01/45	
API#: 30-015-05289		PREPARED BY: C.H. CARLETON			DATE: 10/05/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 600'	7"	24#			
CASING:	0' - 1945'	5 1/2"	14#			
CASING:						
TUBING:						
TUBING:						



☒ CURRENT

☐ PROPOSED

OPERATOR: DEVON ENERGY CORPORATION(NEVADA)

DATE PLUGGED: 11/12/86

CEMENT PLUG: 0'- 800'

CEMENT RETAINER @ 408', PUMP 100 SXS BELOW & CAP W/15 SXS
7" CASING @ 600' W/50 SXS. TOC @ 200' (calculated)

CEMENT PLUG: 590'- 1825' W/125 SXS

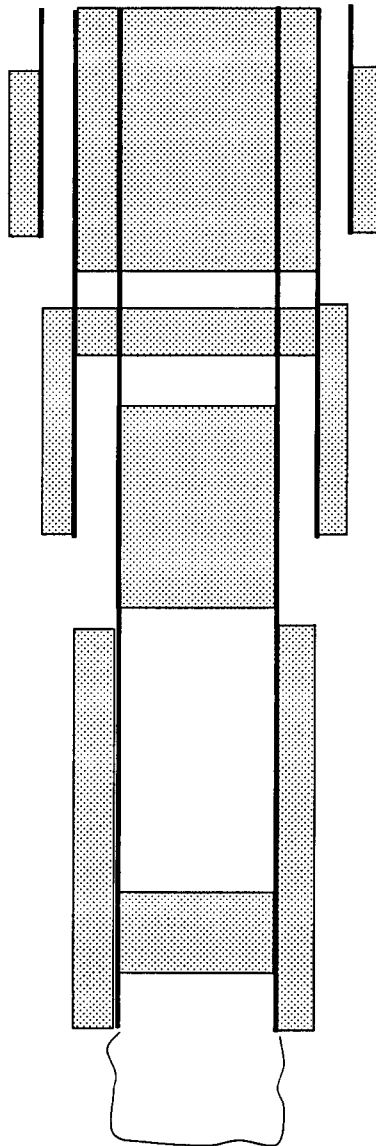
CEMENT RETAINER @ 1887', PUMP 110 SXS BELOW
5 1/2" CASING @ 1945' W/100 SXS. TOC @ 570' (calculated)

OPEN HOLE COMPLETION: 1945'- 2046'

TD @ 2046'

MERIT ENERGY COMPANY WELLBORE SCHEMATIC

WELL NAME: STATE BK #2			FIELD: PREMIER POOL			
LOCATION: 660' FSL & 539' FWL, SEC 19-T17S-R31E			COUNTY: EDDY	STATE: NM		
ELEVATION: 3606' KB			SPUD DATE: 8/24/1966	COMP DATE: 7/13/1944		
API#: 30-015-05272		UPDATED BY: JASON WACKER			DATE: 8/21/2003	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 495'	8-5/8"	28#			10"
CASING:	0' - 1851'	7"	20#			8"
CASING:	0' - 3056'	5-1/2"	14#			6-1/8"
TUBING:						
TUBING:						



☒ CURRENT

☐ PROPOSED

OPERATOR: MACK ENERGY CORPORATION

DATE PLUGGED: 5/22/2002

8-5/8", 28# CASING @ 495' WITH 50 SX TOC @ 309' (calculated)

CEMENT PLUG: 0' - 545'

CEMENT PLUG: 1104' - 1220'

CEMENT PLUG: 1583' - 1901'

7", 20# CASING @ 1851' WITH 110 SX TOC @ 1020' (estimated)

CEMENT PLUG: 2767' - 2885'

5-1/2", 14# @ 3056' WITH 65 SX TOC @ 2043' (calculated)

PERFORATIONS: 2980' - 3023'

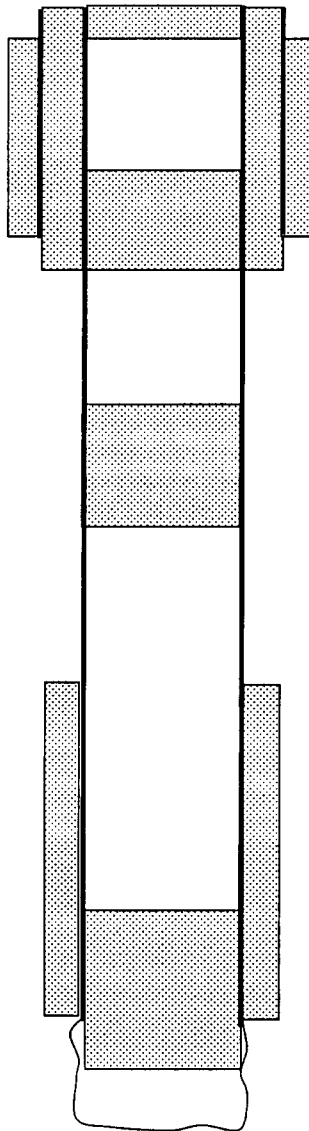
OPENHOLE: 3056' - 3568'

TD @ 3568' PBTD @ 3525'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

MERIT ENERGY COMPANY WELLBORE SCHEMATIC

WELL NAME: STATE BK #4			FIELD: FREN SEVEN RIVERS			
LOCATION: 990' FSL & 906' FWL, SEC 19-T17S-R31E			COUNTY: EDDY	STATE: NM		
ELEVATION: UNK			SPUD DATE: 6/4/1947	COMP DATE: 7/18/1947		
API#:	30-015-05274	UPDATED BY: JASON WACKER			DATE: 8/15/2003	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 505'	8-5/8"	28#			12"
CASING:	0' - 1906'	5-1/2"	14#			8"
CASING:						
TUBING:						
TUBING:						



☒ CURRENT

☐ PROPOSED

OPERATOR: MACK ENERGY CORPORATION
 DATE PLUGGED: 11/17/1999
 CEMENT PLUG: 0' - 30'
 CEMENT PLUG: 322' - 475'

8-5/8" CASING @ 505' WITH 50 SX TOC @ 319' (calculated)

CEMENT PLUG: 1235' - 1350'

CEMENT PLUG: 1652' - 1942'

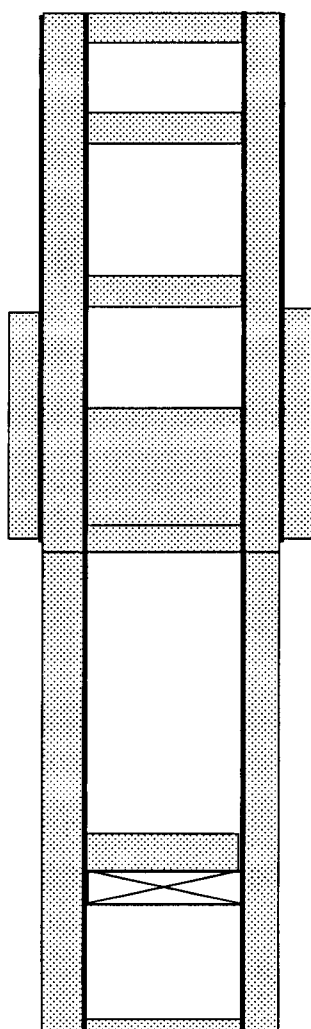
5-1/2", 14# @ 1906' WITH 75 SX TOC @ 1652' (calculated)

OPEN HOLE: 1906' - 1982'

TD @ 1982'

MERIT ENERGY COMPANY WELLBORE SCHEMATIC

WELL NAME: FREN OIL CO #16			FIELD: CEDAR LAKE ABO			
LOCATION: 990' FSL & 355' FWL, SEC 19-T17S-R31E			COUNTY: EDDY	STATE: NM		
ELEVATION: 3609' KB			SPUD DATE: 8/24/1961	COMP DATE: 9/16/1961		
API#:	30-015-05262	UPDATED BY: JASON WACKER			DATE: 8/21/2003	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 1503'	8-5/8"	24#			10-5/8"
CASING:	0' - 7067'	5-1/2"	15.5#			7-7/8"
CASING:						
TUBING:						
TUBING:						



CURRENT



PROPOSED

OPERATOR: MARBOB ENERGY CORPORATION
DATE PLUGGED: 3/4/1996

CEMENT PLUG: 0' - 60'

CEMENT PLUG: 234' - 475'

CEMENT PLUG: 762' - 1054'

CEMENT PLUG: 1054' - 1410'

CEMENT PLUG: 1410' - 1450'

8-5/8", 24# CASING @ 1503' WITH 400 SX TOC @ XXX' (calculated)

CIBP @ 6918' WITH 166' OF CEMENT ON TOP

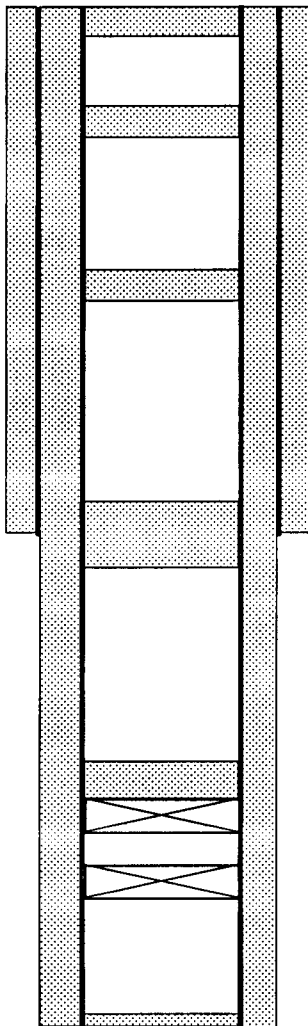
PERFORATIONS: 6972' - 6998'

5-1/2", 15.5# @ 7067' WITH 1050 SX TOC @ 1640' (CBL)

TD @ 7067'

MERIT ENERGY COMPANY WELLBORE SCHEMATIC

WELL NAME: FREN OIL CO #17			FIELD: CEDAR LAKE ABO			
LOCATION: 900' FSL & 1980' FEL, SEC 19-T17S-R31E			COUNTY: EDDY	STATE: NM		
ELEVATION: 3595' DF			SPUD DATE: 12/11/1961	COMP DATE: 1/1/1962		
API#: 30-015-05263		UPDATED BY: JASON WACKER			DATE: 8/21/2003	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 1489'	8-5/8"	24#			
CASING:	0' - 7029'	4-1/2"	9.5# & 10.6#			
CASING:						
TUBING:						
TUBING:						



CURRENT



PROPOSED

OPERATOR: MARBOB ENERGY CORPORATION

DATE PLUGGED: 3/8/1996

CEMENT PLUG: 0' - 60'

CEMENT PLUG: 146' - 425'

CEMENT PLUG: 596' - 875'

CEMENT PLUG: 1235' - 1540'

8-5/8", 24# CASING @ 1489' WITH 572 SX CIRC TO SURFACE

CIBP @ 6825' WITH 369' OF CEMENT ON TOP

CIBP @ 6875'

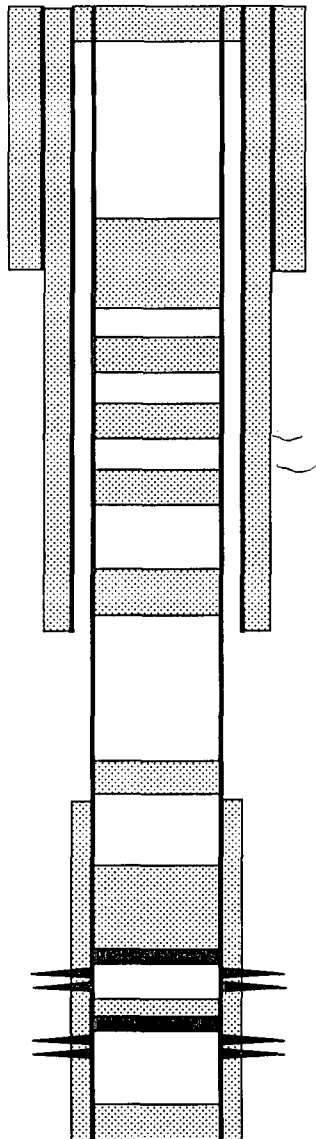
PERFORATIONS: 6928' - 6966'

4-1/2", 9.5# & 11.6# @ 7029' WITH 1200 SX CIRC TO SURFACE

TD @ 7036'

DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

WELL NAME: TURNER "B" #65			FIELD: CEDAR LAKE ABO			
LOCATION: 330' FSL & 1980' FWL, SEC 20-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3676'; KB=UNK			SPUD DATE: 03/25/60		COMP DATE: 05/20/60	
API#: 30-015-05299		PREPARED BY: C.H. CARLETON			DATE: 08/19/99	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 477'	13 3/8"	48#,35.6#			
CASING:	0' - 3800'	8 5/8"	32#,24#			
CASING:	0' - 7497'	4 1/2"	11.6#,9.5#			
TUBING:						
TUBING:						



☒ CURRENT

☐ PROPOSED

OPERATOR: MARBOB ENERGY CORPORATION
PLUGGED AND ABANDONED 08/06/98

CEMENT PLUG: SURFACE- 65' WITH 10 SXS
CEMENT PLUG: 269'- 588' WITH 20 SXS (TAGGED)
13 3/8" CASING @ 477' W/795 SXS. TOC @ SURFACE

CEMENT PLUG: 688'- 1247' WITH 20 SXS (TAGGED)

CEMENT PLUG: 1581'- 1870' WITH 20 SXS (TAGGED)

CEMENT PLUG: 2204'- 2493' WITH 20 SXS (TAGGED)

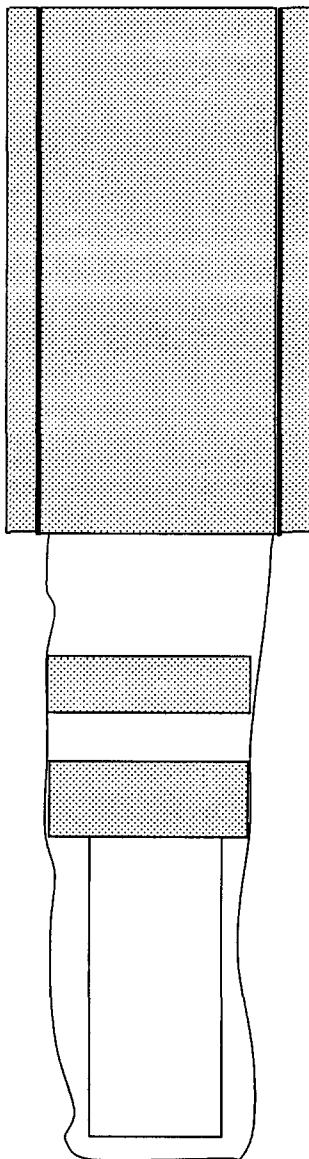
CEMENT PLUG: 3451'- 3740' WITH 20 SXS (TAGGED)
8 5/8" CASING @ 3800' W/3300 SXS. TOC @ SURFACE

CEMENT PLUG: 4500'- 4789' WITH 20 SXS (TAGGED)

CIPB @ 6855' AND CAPPED WITH 20 SXS CEMENT. TOC @ 6566'
ABO PERFORATIONS: 6891'- 7048' (38 HOLES)
CIBP @ 7098', CAPPED WITH 30' CEMENT
ABO PERFORATIONS: 7122'- 7128' (12 HOLES)
OLD PERFS: 7120'-32', 7136'-40', 7144'-52' SQUZ'D OFF W/100 SXS
4 1/2" CASING @ 7497' W/500 SXS. TOC @ 4800'(TEMP SURVEY)
TD @ 7497' PBD @ 7409'

MERIT ENERGY COMPANY WELLBORE SCHEMATIC

WELL NAME: OXY CHOCOLATE MOOSE #1			FIELD:			
LOCATION: 1600' FSL & 990' FWL, SEC 20-T17S-R31E			COUNTY: EDDY	STATE: NM		
ELEVATION: 3634' GL			SPUD DATE: 12/18/2001	COMP DATE: DRY HOLE		
API#:	30-015-32119	UPDATED BY: JASON WACKER			DATE: 8/21/2003	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 445'	13-3/8"	48#	H-40		17-1/2"
CASING:						12-1/4"
CASING:						
TUBING:						
TUBING:						



CURRENT



PROPOSED

OPERATOR: OXY USA WTP LIMITED PARTNERSHIP

DATE PLUGGED: 1/8/2002

CEMENT PLUG: 0' - 495'

13-3/8" CASING @ 445' WITH 500 SX, CIRC TO SURFACE

CEMENT PLUG: 1396' - 1496'

CEMENT PLUG: 2530' - 2690'

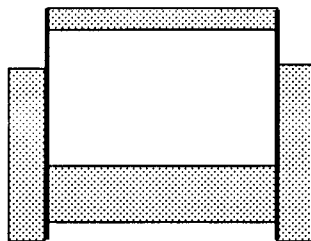
9-5/8" CASING FISH @ 2640'

TD @ 4550'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

WELL NAME: MAX FRIESS #3-X			FIELD: GRAYBURG-JACKSON(SEVEN RIVERS)			
LOCATION: 335'FNL & 2970'FEL, SEC 30-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3579' ; KB=UNK			SPUD DATE: 04/06/47		COMP DATE: 04/21/47	
API#: 30-015-05467		PREPARED BY: C.H. CARLETON			DATE: 07/13/99	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 435'	8 5/8"	24#			
CASING:	1550' - 1954'	5 1/2"	14#			
CASING:						
TUBING:						
TUBING:						



CURRENT



PROPOSED

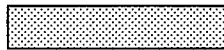
OPERATOR: SCHUSTER & SCHUSTER

DATE PLUGGED: 06/07/56

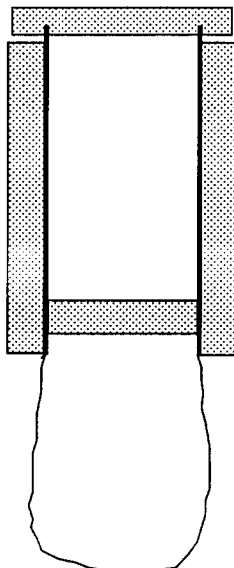
CEMENT PLUG AT SURFACE (AMOUNT OF CEMENT USED UNKNOWN)

CEMENT PLUG: 360'- 400' WITH 10 SXS

8 5/8" CASING @ 435' W/50 SXS. TOC @ 200' (calculated)



CEMENT PLUG: 1220'- 1250'



CEMENT PLUG: 1545'- 1560'

CUT 5 1/2" CASING @ 1550'

CEMENT PLUG: 1850'- 1950' WITH 10 SXS

5 1/2" CASING @ 1954' W/100 SXS. TOC @ 1570' (calculated)

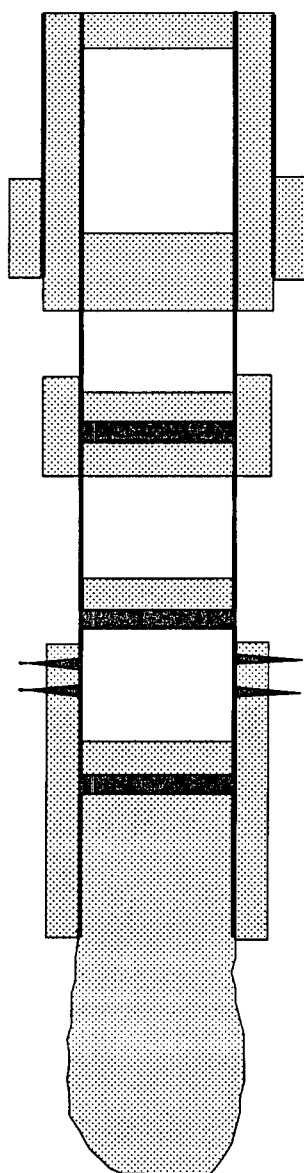
OPEN HOLE COMPLETION: 1954'- 2033'

TD @ 2033'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

WELL NAME: FRIESS FEDERAL #1			FIELD: GRAYBURG-JACKSON			
LOCATION: 2310'FSL & 1650'FEL, SEC 19-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3609'; KB=UNK			SPUD DATE: 09/15/41		COMP DATE: 04/15/42	
API#: 30-015-05267		PREPARED BY: C.H. CARLETON			DATE: 06/18/97	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 465'	8 1/4"	28#			10"
CASING:	0' - 2719'	7"	24#			8"
CASING:						
TUBING:						
TUBING:						



☒ CURRENT ☐ PROPOSED

OPERATOR: DEVON ENERGY CORPORATION(NEVADA)
DATE PLUGGED: 06/07/97

CEMENT PLUG: 0'- 50' W/50 SXS
CEMENT PLUG: 400'- 500' W/200 SXS
8 1/4" CASING @ 465' W/50 SXS. TOC @ 290' (calc)
PERFORATE 7" CASING @ 500' WITH 4 HOLES

CEMENT RETAINER @ 1163', PUMP 100 SXS BELOW & CAP W/10 SXS.
PERFORATE 7" CASING @ 1236' WITH 4 HOLES

CIBP @ 1854', CAP W/10 SXS.

PERFORATIONS: 1901'- 1974' (OA)

CEMENT RETAINER @ 2368', PUMP 300 SXS BELOW & CAP W/10 SXS.

7" CASING COLLAPSED @ 2442'

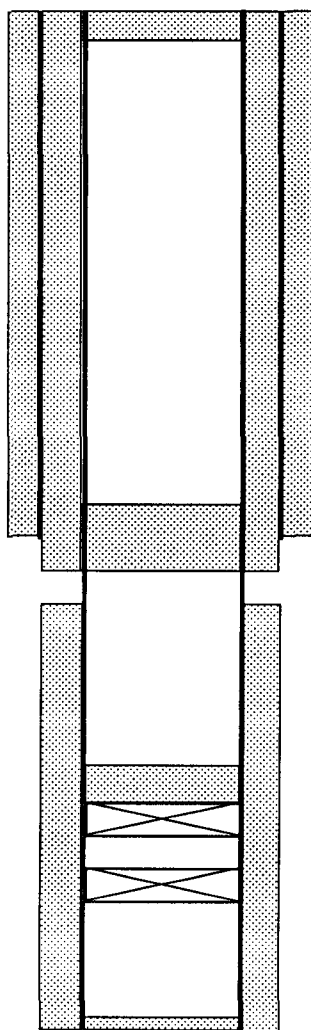
7" CASING @ 2719' W/100 SXS. TOC @ 1910' (calc)

OPEN HOLE: 2719'- 3470'

TD @ 3520'

MERIT ENERGY COMPANY WELLBORE SCHEMATIC

WELL NAME: FREN OIL CO #20			FIELD: CEDAR LAKE ABO			
LOCATION: 900' FSL & 1980' FWL, SEC 19-T17S-R31E			COUNTY: EDDY	STATE: NM		
ELEVATION: 3596' DF			SPUD DATE: 5/27/1962	COMP DATE: 6/17/1962		
API#:	30-015-05266	UPDATED BY: JASON WACKER			DATE: 8/21/2003	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 1439'	9-5/8"				
CASING:	0' - 7113'	4 1/2"				
CASING:						
TUBING:						
TUBING:						



☒ CURRENT ☐ PROPOSED
OPERATOR: MARBOB ENERGY CORPORATION
DATE PLUGGED: 3/8/1996
CEMENT PLUG: 0' - 62'

*TOC @ 1910'
PERF 1410*

CEMENT PLUG: 1350' - 1550' - *125 SX*

9-5/8" CASING @ 1439' WITH 375 SX

CIBP @ 6800' WITH 35' OF CEMENT ON TOP
PERFORATIONS: 6829' - 6897'
 CIBP @ 6920'

PERFORATIONS: 6928' - 7086'

4-1/2", 9.5# & 11.6# @ 7013' WITH 1200 SX, TOC @ 2122'

TD @ 7115'

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ well ☐ gas well ☐ other ☐

2. NAME OF OPERATOR ARCO Oil & Gas Co. ✓
Division of Atlantic Richfield Co.

3. ADDRESS OF OPERATOR
P. O. Box 1710, Hobbs, New Mexico 88240

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 900' FSL & 1980' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH: As above

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>
(other)	<input type="checkbox"/>	<input type="checkbox"/>

Repair Water Flow (NOTE: Report repair, multiple zone, or change on Form 9-330.)

RECEIVED

JUN 4 1980

U.S. GEOLOGICAL SURVEY

ARTESIA, NEW MEXICO

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

1. Rigged up on 5/11/80. Ran bit to 6868', tagged CIBP. Pressure tested csg to 1000# for 30 min. OK. Tested bradenhead to 750#, bled off in 8 mins.
2. Ran CBL 2400' to surf. TOC bond @ 2122'. Ran Sonalog, indicated fluid movement @ 2200' & 2000'.
3. RIH w/ RBP, set BP @ 2308'. Spot 3 sx sd on top.
4. Perf'd 4-1/2" squeeze holes @ 2110'. Pmpd into form, unable to circ to surf. While pmpg wtr, Fren Oil Co. #7 offset well began flwg from braden head.
5. Pmpd dn tbg on Fren Oil Co #20 & cmt circ up surf pipe on Fren Oil Co. #7. Pmpd 1000 sx Cl "C" cmt w/16% gel & 250 sx Cl "H" cmt. Cmt circ after 750 sx cmt. Cmt circ in Fren Oil Co. #7 after pmpg 750 sx cmt. Pmpd 50 sx cmt to pit. Shut surf valve on Fren Oil Co. #7 & pmpd 500 sx cmt into form. On Fren Oil Co. #20 pmpd 150 sx Cl "H" cmt dn surf value. Cmt circ back up in cellar. Ran temp survey, TOC @ 1910'. WOC.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED George H. Stewart TITLE Dist. Drlg. Supt. DATE 5/28/80

(This space for Federal or State office use)

APPROVED BY GEORGE H. STEWART
CONDITIONS OF APPROVAL, IF ANY:

TITLE ARTESIA DISTRICT ENGINEER
DATE JUN 5 1980

RECEIVED

JUN 9 1980

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

6. Drld cmt 1972-2054'. Press tested squeeze job to 500#, press bled off.
 7. RIH w/FBP set pkr @ 1800'. Pmpd 65 sx C1 "H" cmt, 16% gel, 35# salt 5# KCL/sk. RO 30 bbl cmt with 750# press on csg on Fren Oil Co. #7, press up to 2500# on Fren Oil Co. #20, held 30 mins, WOC. Drld cmt 1830-2054', no cmt across perms @ 2110', small wtr flow @ surf. Set pkr @ 1800' unable to pump into perms @ 2110' w/2000#.
 8. Ran CBL 2150' to surf. TOC bond @ 1948'. Circ sd off BP. POH w/BP. Disp hole w/treated wtr. Spotted cmt plug 2000-2200', press up to 500# for 30 mins, OK. Installed well head, 8' nipple, closed surf valve & TA 5-26-80.
- FINAL REPORT.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Marbob Energy Corporation

3. Address and Telephone No.

P. O. Drawer 227, Artesia, NM 88210 505-748-3303

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

900 FSL 1980 FWL, SEC 19-T17S-R31E UNIT N

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

5. Lease Designation and Serial No.

LC-031844

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

FREN OIL COMPANY #20

9. API Well No.

30-015-05266

10. Field and Pool, or Exploratory Area

CEDAR LAKE ABO

11. County or Parish, State

Eddy County, NM

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☒ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

2/29/96 SET CIBP @ 6800', DUMP 35' CMT ON CIBP, PERF 2 SQZ HOLES @ 1440', SET 125 SX CMT PLUG 1550-1350', SET 62' SURFACE PLUG. CUT OFF WELL HEAD & ANCHOR. INSTALL DRY HOLE MARKER.

RECEIVED VERBAL APPROVAL FROM SHANNON SHAW W/BLM TO PROCEED W/PLUGGING PROCEDURE ON 2/28/96.

RECEIVED

APR 01 1996

OIL CON. DIV.

Approved as to...
Liability under bond is required until
surface restoration is completed.

Post ID-2
3-29-96
P&A

14. I hereby certify that the foregoing is true and correct

Signed

Title

PRODUCTION CLERK

Date 3/8/96

(This space for Federal or State office use)

Approved by

(ORIG. SCD.) JOE G. LARA

Title

PETROLEUM ENGINEER

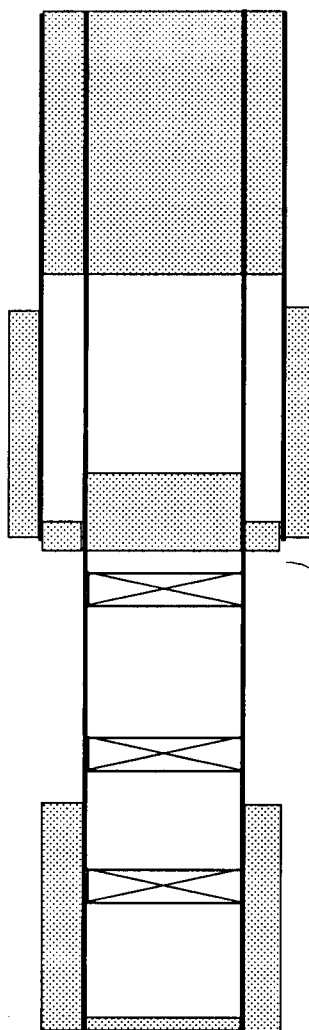
Date

3/28/96

Conditions of approval, if any:

MERIT ENERGY COMPANY WELLBORE SCHEMATIC

WELL NAME: STATE BK #6			FIELD: GRAYBURG JACKSON POOL			
LOCATION: 990' FSL & 744' FWL, SEC 19-T17S-R31E			COUNTY: EDDY	STATE: NM		
ELEVATION: 3617' GL			SPUD DATE: 9/20/1962	COMP DATE: 11/6/1962		
API#:	30-015-05269	UPDATED BY: JASON WACKER			DATE: 8/21/2003	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 1252'	8-5/8"	24#			11-1/4"
CASING:	0' - 7087	4-1/2"	10.5# & 9.5#			7-7/8"
CASING:						
TUBING:						
TUBING:						



OPERATOR: MACK ENERGY CORPORATION
DATE PLUGGED: 1/1/2001

CEMENT PLUG: 0' - 535'

CEMENT PLUG: 1153' - 1352' INSIDE
1246' - 1352' OUTSIDE

8-5/8", 24# CASING @ 1252' WITH 200 SX TOC @ 813' (calculated)

3 CIBP @ 3120', 2924, AND 2244'

PERFORATIONS: 2857' - 3410'

CIBP @ 3470'

CIBP @ 6701'

CEMENT PLUG: 2767' - 2885'

PERFORATIONS: 7034' - 7046'

4-1/2", 10.5# & 9.5# @ 7088' WITH 870 SX TOC @ 4318' (calculated)

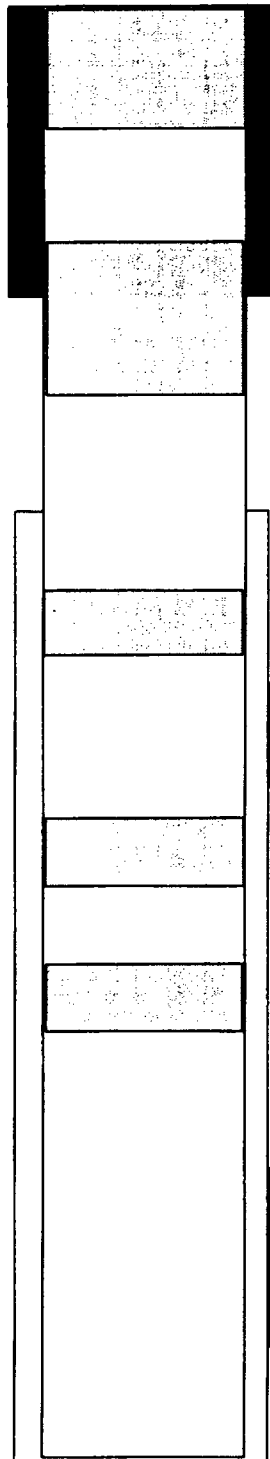
TD @ 7088' PBD @ 7079'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

MACK ENERGY CORPORATION

STATE BK #6

Sec 19 T17S R31E 744FWL 990FSL



60' Surface Plug

8 5/8" 24# new @ 1252', C/w 200sks.

Perf Csg @ 1200', squeeze perfs w/50sx Tag Plug @ 1150'

TOC 1500'

CIBP @ 2244 W/35' Cement

Perforation 2857-3410

CIBP @ 3470 W/35' Cement

CIBP @ 6701 W/35' Cement

7034-7046' 2 JSPF 11-3-62

4 1/2" 9.5# & 10.5# new @ 7088' C/w 870sks.

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, NM 87505

WELL API NO. 30-015-05268

Lease Type of Lease

STATE ☒

FEE ☐

State Oil & Gas Lease No.

B-3627

Lease Name or Unit Agreement Name
State BK

Well No.
6

Pool name or Wildcat
Grayburg, Jackson, RVRS, QN, GB, SA.

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS.)

Type of Well:

OIL
WELL ☒

GAS
WELL ☐

OTHER

Name of Operator
Mack Energy Corporation, Inc.

Address of Operator
Post Office Box 693, Artesia, NM 88211-0360

Well Location

Unit Letter M : 990 Feet From The South Line and 744 Feet From The West Line

19 Section 17S Township 31E Range NMPM Eddy County

Elevation (Show whether DF, RKB, RT, GR, etc.)

3617

11 Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐

ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐

PLUG AND ANBANDONMENT ☒

CASING TEST AND CEMENT JOB ☐

OTHER: ☐

12 Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

- 12/31/00 Tagged plug @ 2210' circulate hole w/ 9.8# mud
- 12/31/00 Perf. 4 holes @ 1352' set pkr. @ 948' sqz. 50sxs. class "C" neat cmt woc tagged @ 1153'
- 1/1/01 perf 4 holes @ 535' circulate cmt. to surface in & out 4 1/2 (120 sxs. class "C" neat cmt).
- Install Dry Hole Marker.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

Roger D. Brooks

TITLE P & A Supervisor

DATE 01-01-01

TYPE OR PRINT NAME Roger D. Brooks

TELEPHONE NO. 915-580-7161

(This space for State Use)

APPROVED BY

[Signature]

TITLE

Field Rep I

DATE

4/12/2001

CONDITIONS OF APPROVAL, IF ANY: