



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

10/10/00

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88241-1980
(505) 393-6161

GOVERNOR

SWD-790-0

OIL CONSERVATION DIVISION
P. O. BCX 2088
SANTA FE, NEW MEXICO 87501

RE: Proposed:
MC _____
DHC _____
NSL _____
NSP _____
SWD X _____
WFX _____
PMX _____

Gentlemen:

I have examined the application for the:

Paladin Energy Corp New Mexico BB State NCF-1
Operator Lease & Well No. Unit # ^{S-T-R} 1-K-11-125-32e
30-025-00109

and my recommendations are as follows:

OK

Yours very truly,

Chris Williams
Supervisor, District 1

/ed



PALADIN ENERGY CORP.

October 5, 2000

State of New Mexico
Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco
Santa Fe, New Mexico 87505

Re: Application For Authorization To Inject
Paladin Energy Corp.
State 'BB' NCT-1 Well #1
East Caprock Field, Lea County
1989' FSL, 1985' FWL
Sec 11, T12S, R32E

Dear Sir/Madam,

Paladin Energy Corp. is herewith submitting the above referenced application to convert the State 'BB' NCT-1 #1 well to a salt water disposal well in the East Caprock Devonian Formation. Paladin is in need of additional salt water disposal capacity in the East Caprock field due to the successful re-completion of two of its Devonian producing wells, with high volume submersible pumps. The results of these workovers has been an increase in fieldwide oil and water production. Therefore, additional salt water disposal capacity will greatly improve our overall saltwater handling capabilities in the field and also facilitate further re-completions and increases in oil production.

Therefore for your consideration please find enclosed the following: a) Form C-103, to convert well to SWD, b.) Form C-108 and all necessary attachments and "proofs of notice" required for administrative approval.

If you have any questions or need further information, please call David Plaisance at 214-352-5245, Ext. 8. Thank you.

Sincerely,

David Plaisance
Production Manager

Cc Oil Conservation District
Hobbs Division

Cc State of New Mexico
Commissioner of Public Lands

10290 MONROE DRIVE, SUITE 301 - DALLAS, TEXAS 75229-5718
TELEPHONE: (214) 654-0132 FAX: (214) 654-0133

APPLICATION FOR AUTHORIZATION TO INJECT

I. PURPOSE: _____ Secondary Recovery _____ Pressure Maintenance Disposal _____ Storage
Application qualifies for administrative approval? _____ Yes _____ No

II. OPERATOR: Paladin Energy Corp.

ADDRESS: 10290 Monroe Dr., Suit 301, Dallas, Texas 75229

CONTACT PARTY: David Plaisance PHONE: 214-654-0132

III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.
Additional sheets may be attached if necessary.

IV. Is this an expansion of an existing project? _____ Yes No
If yes, give the Division order number authorizing the project: _____

V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.

VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.

VII. Attach data on the proposed operation, including:

1. Proposed average and maximum daily rate and volume of fluids to be injected;
2. Whether the system is open or closed;
3. Proposed average and maximum injection pressure;
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).

*VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.

IX. Describe the proposed stimulation program, if any.

*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).

*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.

XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.

XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.

XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

NAME: David Plaisance TITLE: PRODUCTION Manager

SIGNATURE: *David Plaisance* DATE: 10/05/00

* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: _____

INJECTION WELL DATA SHEET

OPERATOR: PALADIN ENERGY CORP.

WELL NAME & NUMBER: NEW MEXICO (STATE) 'BB' NCT-1 Well No. 1

WELL LOCATION: 1989' FSL, 1985' FWL FOOTAGE LOCATION K UNIT LETTER 11 SECTION 12-S TOWNSHIP 32-E RANGE

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 11" Casing Size: 8-5/8"

Cemented with: 2400 sx. or ft³

Top of Cement: Surface Method Determined: Circ.

Intermediate Casing

Hole Size: Casing Size:

Cemented with: sx. or ft³

Top of Cement: Method Determined:

Production Casing

Hole Size: 7-3/4" Casing Size: 5-1/2"

Cemented with: 400 sx. or ft³

Top of Cement: 7,600' Method Determined: Logged

Total Depth: 11,225'

Injection Interval

11,132' feet to 11,192' Perforated

(Perforated or Open Hole: indicate which)

INJECTION WELL DATA SHEET

Tubing Size: 3-1/2", 9.3# N-80 Lining Material: IC0 505 Plastic Coating

Type of Packer: Weatherford Arrow Set Packer - Plastic Coated

Packer Setting Depth: 11,030'

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? _____ Yes No

If no, for what purpose was the well originally drilled? Devonian Producer

2. Name of the Injection Formation: Devonian

3. Name of Field or Pool (if applicable): East Caprock Devonian

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. No

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: East Caprock Wolfcamp - 8,500' (+,-)

VII. PROPOSED OPERATIONS

- A. 1.) Injection Rate: Maximum 10,000 BWP
Average 7,500 BWP
- 2.) Injection System
Closed
- 3.) Injection Pressure: Maximum 1000 psi
Average: expect to be on vacuum
- 4.) Injection Fluid: Devonian and Wolfcamp Formation Produced Water
(see enclosed analysis)
- 5.) Devonian Formation is productive in field.

VIII. INJECTION ZONE

- 1.) Devonian Formation
- 2.) Dolomite
- 3.) Thickness: 90' ± penetration in this wellbore.
- 4.) Depth: 11,134' to 11,225'
- 5.) Aquifers 300' (+,-)

IX. Stimulation

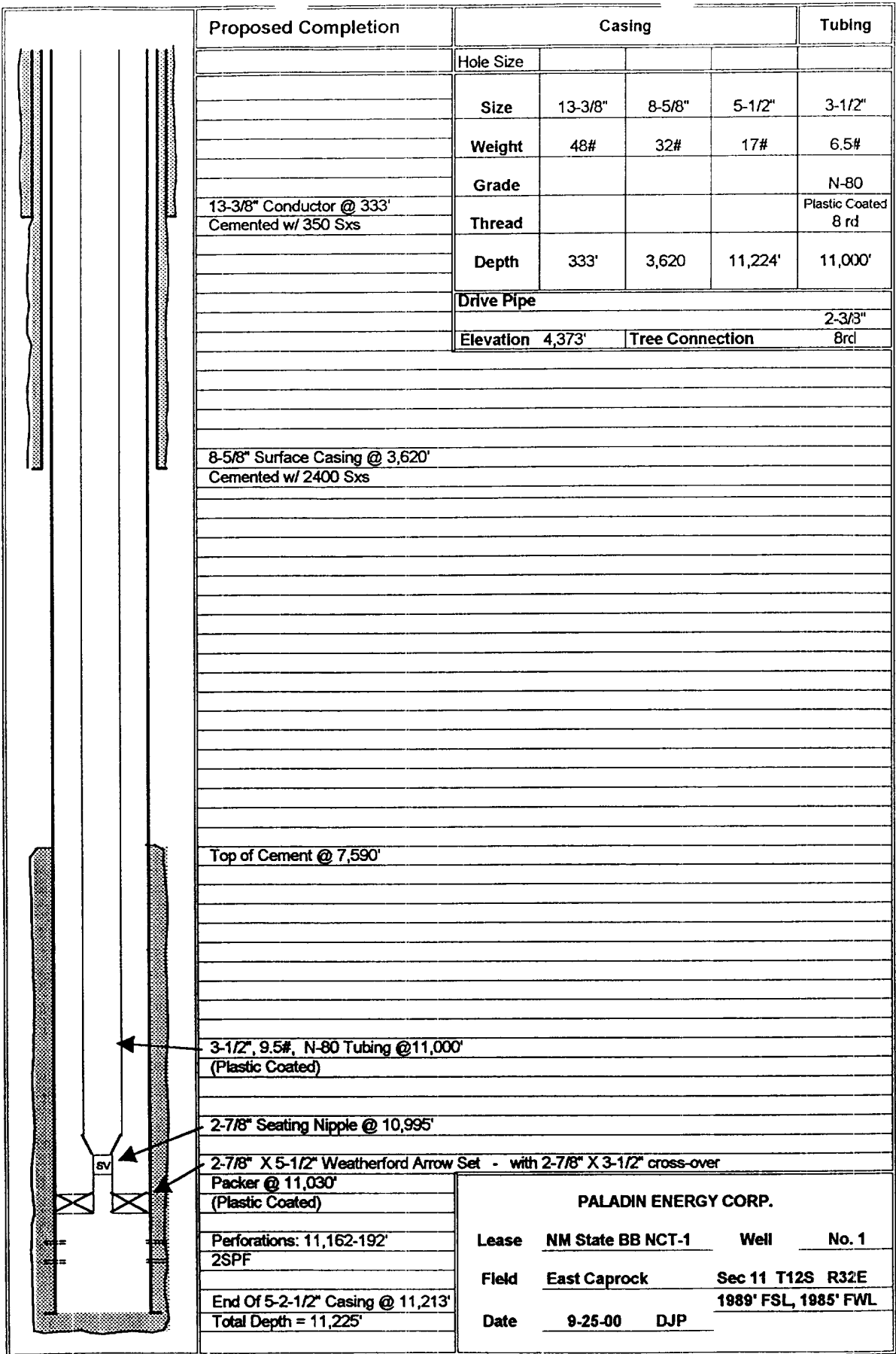
- 1.) Acidize w/+, - 3000 gals 15% NE HCL

- XII. Paladin Energy Corp. has examined the available geologic and engineering information for the area if interest and have found no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.

David Harrison
Signature

Production Manager
Title

10/05/00
Date



Proposed Completion	Casing			Tubing	
	Hole Size				
	Size	13-3/8"	8-5/8"	5-1/2"	3-1/2"
	Weight	48#	32#	17#	6.5#
	Grade				N-80
13-3/8" Conductor @ 333' Cemented w/ 350 Sxs	Thread				Plastic Coated 8 rd
	Depth	333'	3,620	11,224'	11,000'
	Drive Pipe				2-3/8"
	Elevation	4,373'	Tree Connection		8rd

8-5/8" Surface Casing @ 3,620'
Cemented w/ 2400 Sxs

Top of Cement @ 7,590'

3-1/2", 9.5#, N-80 Tubing @ 11,000'
(Plastic Coated)

2-7/8" Seating Nipple @ 10,995'

2-7/8" X 5-1/2" Weatherford Arrow Set - with 2-7/8" X 3-1/2" cross-over
Packer @ 11,030'
(Plastic Coated)

Perforations: 11,162-192'
2SPF

End Of 5-2-1/2" Casing @ 11,213'
Total Depth = 11,225'

PALADIN ENERGY CORP.			
Lease	NM State BB NCT-1	Well	No. 1
Field	East Caprock	Sec 11 T12S R32E	1989' FSL, 1985' FWL
Date	9-25-00	DJP	

New Mexico State 'BB' NCT-1 Well No. 1

21	BarTBar, Inc. (S)	22	Yates Pet. 8-1-93 V-2650 1232	23	Yates Pet. 8-1-93 V-2650 1232	24	Yates Pet. 8-1-93 V-2650 1232	25	Yates Pet. 8-1-93 V-2650 1232	26	Yates Pet. 8-1-93 V-2650 1232	27	Yates Pet. 8-1-93 V-2650 1232	28	Yates Pet. 8-1-93 V-2650 1232	29	Yates Pet. 8-1-93 V-2650 1232	30	Yates Pet. 8-1-93 V-2650 1232	31	Yates Pet. 8-1-93 V-2650 1232	32	Yates Pet. 8-1-93 V-2650 1232	33	Yates Pet. 8-1-93 V-2650 1232	34	Yates Pet. 8-1-93 V-2650 1232	35	Yates Pet. 8-1-93 V-2650 1232	36	Yates Pet. 8-1-93 V-2650 1232	37	Yates Pet. 8-1-93 V-2650 1232	38	Yates Pet. 8-1-93 V-2650 1232	39	Yates Pet. 8-1-93 V-2650 1232	40	Yates Pet. 8-1-93 V-2650 1232	41	Yates Pet. 8-1-93 V-2650 1232	42	Yates Pet. 8-1-93 V-2650 1232	43	Yates Pet. 8-1-93 V-2650 1232	44	Yates Pet. 8-1-93 V-2650 1232	45	Yates Pet. 8-1-93 V-2650 1232	46	Yates Pet. 8-1-93 V-2650 1232	47	Yates Pet. 8-1-93 V-2650 1232	48	Yates Pet. 8-1-93 V-2650 1232	49	Yates Pet. 8-1-93 V-2650 1232	50	Yates Pet. 8-1-93 V-2650 1232	51	Yates Pet. 8-1-93 V-2650 1232	52	Yates Pet. 8-1-93 V-2650 1232	53	Yates Pet. 8-1-93 V-2650 1232	54	Yates Pet. 8-1-93 V-2650 1232	55	Yates Pet. 8-1-93 V-2650 1232	56	Yates Pet. 8-1-93 V-2650 1232	57	Yates Pet. 8-1-93 V-2650 1232	58	Yates Pet. 8-1-93 V-2650 1232	59	Yates Pet. 8-1-93 V-2650 1232	60	Yates Pet. 8-1-93 V-2650 1232	61	Yates Pet. 8-1-93 V-2650 1232	62	Yates Pet. 8-1-93 V-2650 1232	63	Yates Pet. 8-1-93 V-2650 1232	64	Yates Pet. 8-1-93 V-2650 1232	65	Yates Pet. 8-1-93 V-2650 1232	66	Yates Pet. 8-1-93 V-2650 1232	67	Yates Pet. 8-1-93 V-2650 1232	68	Yates Pet. 8-1-93 V-2650 1232	69	Yates Pet. 8-1-93 V-2650 1232	70	Yates Pet. 8-1-93 V-2650 1232	71	Yates Pet. 8-1-93 V-2650 1232	72	Yates Pet. 8-1-93 V-2650 1232	73	Yates Pet. 8-1-93 V-2650 1232	74	Yates Pet. 8-1-93 V-2650 1232	75	Yates Pet. 8-1-93 V-2650 1232	76	Yates Pet. 8-1-93 V-2650 1232	77	Yates Pet. 8-1-93 V-2650 1232	78	Yates Pet. 8-1-93 V-2650 1232	79	Yates Pet. 8-1-93 V-2650 1232	80	Yates Pet. 8-1-93 V-2650 1232	81	Yates Pet. 8-1-93 V-2650 1232	82	Yates Pet. 8-1-93 V-2650 1232	83	Yates Pet. 8-1-93 V-2650 1232	84	Yates Pet. 8-1-93 V-2650 1232	85	Yates Pet. 8-1-93 V-2650 1232	86	Yates Pet. 8-1-93 V-2650 1232	87	Yates Pet. 8-1-93 V-2650 1232	88	Yates Pet. 8-1-93 V-2650 1232	89	Yates Pet. 8-1-93 V-2650 1232	90	Yates Pet. 8-1-93 V-2650 1232	91	Yates Pet. 8-1-93 V-2650 1232	92	Yates Pet. 8-1-93 V-2650 1232	93	Yates Pet. 8-1-93 V-2650 1232	94	Yates Pet. 8-1-93 V-2650 1232	95	Yates Pet. 8-1-93 V-2650 1232	96	Yates Pet. 8-1-93 V-2650 1232	97	Yates Pet. 8-1-93 V-2650 1232	98	Yates Pet. 8-1-93 V-2650 1232	99	Yates Pet. 8-1-93 V-2650 1232	100	Yates Pet. 8-1-93 V-2650 1232
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V. Paladin Energy Corp.
Application For Authorization
To Inject

Leases & Wells Within Two Miles
of Proposed SWD Well
New Mexico State "BB" NCT-1 #1
Sec 11 T12S R32E

District I
 PO Box 1980, Hobbs, NM 88241-1980
 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 & Natural Resources Department

OIL CONSERVATION DIVISION
 2040 South Pacheco
 Santa Fe, NM 87505

Form C-10
 Revised October 18, 1992
 Instructions on back
 Submit to Appropriate District Office
 State Lease - 4 Copies
 Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-00109		Pool Code	Pool Name East Caprock Devonian
Property Code 26437	Property Name New Mexico State 'BB' NCT-1		Well Number 1
OGRID No. 164070	Operator Name Paladin Energy Corp.		Elevation 4373'

¹⁰ Surface Location

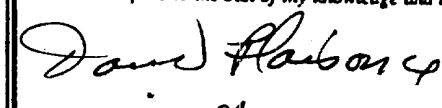
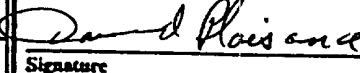
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
K	11	12S	32E		1989'	South	1985	West	Lea

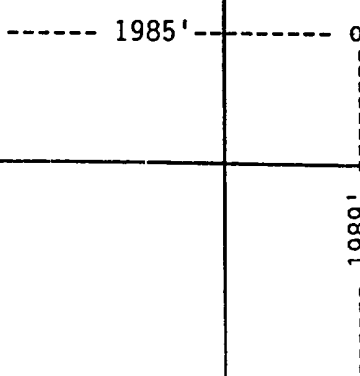
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16				¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.   Signature David Plaisance Printed Name Production Manager Title 10/05/00 Date
				¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey Signature and Seal of Professional Surveyor Certificate Number



VI
WELL WITHIN THE AREA OF REVIEW
WHICH PENETRATE THE PROPOSED INJECTION ZONE
CAPROCK, EAST (DEVONIAN)
SEC's 10,11,14, T12s-R32E
LEA COUNTY, NEW MEXICO

API Nbr: 30025000990000 State: NEW MEXICO County: LEA
Oper: AMERADA HESS CORP Oper Code: 000966
Well: 1 Lease: STATE ECG
AAPG Prov: PERMIAN BASIN Prov Code: 430
Field: CAPROCK EAST Field Code: 008270
District: 01
Meridian: NEW MEXICO 1855 Meridian Code: 23
Twp: 12.0S Rng: 32.0E SEC: 10.0 Spot:
Footages: 1980FSL 330FEL CONGRESS SECTION
Source: TBNAD27 Lat: 33.29148 Long: -103.69778

Contr: Tools: ROTARY Rig Nbr:
Oper Elev: 4415DF Rig Ht: Rig Release:
Drlr Depth: 10834 FT TVD: Form @ TD:
Spud Date: 04/26/1953 Date Well Added: 08/01/1973 Abnd Date:
Comp Date: 06/27/1953 Last Update: 06/10/2000 TD Reached:
Final Status: D&A Pool:
Initial Well Class: DEVELOPMENT WELL
Final Well Class: DEVELOPMENT WELL-DRY (INCLUDING TEMPORARILY ABANDONED WELL)

(Casing)		
Size	Depth	Cement
13 3/8 IN	329 FT	325 SACK
8 5/8 IN	3655 FT	1500 SACK

API Nbr: 30025080070000 State: NEW MEXICO County: LEA
Oper: TEXACO INCORPORATED Oper Code: 033095
Well: 1 Lease: STATE BH
AAPG Prov: PERMIAN BASIN Prov Code: 430
Field: CAPROCK EAST Field Code: 008270
District: 01
Meridian: NEW MEXICO 1855 Meridian Code: 23
Twp: 12.0S Rng: 32.0E SEC: 11.0 Spot:
Footages: 660FNL 1980FWL CONGRESS SECTION
Source: TBNAD27 Lat: 33.29875 Long: -103.69027

Contr: Tools: ROTARY Rig Nbr:
Oper Elev: 4371ES Rig Ht: Rig Release:
Drlr Depth: 11220 FT TVD: Form @ TD: DEVONIAN
Log TD: PB Depth: 11218 FT Form Age @ TD: DEVONIAN U
Spud Date: 03/22/1952 Date Well Added: 08/01/1973 Abnd Date:
Comp Date: 07/29/1952 Last Update: 06/10/2000 TD Reached:

Final Status: OIL Pool:
 Initial Well Class: DEVELOPMENT WELL
 Final Well Class: DEVELOPMENT WELL-OIL
 (Casing)

Size	Depth	Cement
13 3/8 IN	346 FT	350 SACK
8 5/8 IN	3605 FT	2300 SACK
5 1/2 IN	11220 FT	400 SACK

API Nbr: 30025000970000 State: NEW MEXICO County: LEA
 Oper: AMERADA HESS CORP Oper Code: 000966
 Well: 1 Lease: HC POSEY A
 AAPG Prov: PERMIAN BASIN Prov Code: 430
 Field: CAPROCK EAST Field Code: 008270
 District: 01
 Meridian: NEW MEXICO 1855 Meridian Code: 23
 Twp: 12.0S Rng: 32.0E SEC: 11.0 Spot:
 Footages: 660FSL 1980FEL CONGRESS SECTION
 Source: TBNAD27 Lat: 33.28745 Long: -103.68529

Contr: Tools: ROTARY Rig Nbr:
 Oper Elev: 4350DF Rig Ht: Rig Release:
 Drlr Depth: 11230 FT TVD: Form @ TD: DEVONIAN
 Log TD: PB Depth: Form Age @ TD: DEVONIAN U

Spud Date: 01/09/1952 Date Well Added: 08/01/1973 Abnd Date:
 Comp Date: 04/25/1952 Last Update: 06/10/2000 TD Reached:
 Final Status: OIL Pool:
 Initial Well Class: DEVELOPMENT WELL
 Final Well Class: DEVELOPMENT WELL-OIL

(Casing)

Size	Depth	Cement
13 3/8 IN	296 FT	225 SACK
8 5/8 IN	3610 FT	1500 SACK
5 1/2 IN	11160 FT	600 SACK

API Nbr: 30025000980000 State: NEW MEXICO County: LEA
 Oper: AMERADA HESS CORP Oper Code: 000966
 Well: 2 Lease: HC POSEY A
 AAPG Prov: PERMIAN BASIN Prov Code: 430
 Field: CAPROCK EAST Field Code: 008270
 District: 01
 Meridian: NEW MEXICO 1855 Meridian Code: 23
 Twp: 12.0S Rng: 32.0E SEC: 11.0 Spot:
 Footages: 1980FSL 660FEL CONGRESS SECTION
 Source: TBNAD27 Lat: 33.29118 Long: -103.68102

Contr: Tools: ROTARY Rig Nbr:
 Oper Elev: 4337DF Rig Ht: Rig Release:
 Drlr Depth: 11283 FT TVD: Form @ TD:

Spud Date: 05/13/1952 Date Well Added: 08/01/1973 Abnd Date:
 Comp Date: 08/28/1952 Last Update: 06/10/2000 TD Reached:
 Final Status: D&A Pool:
 Initial Well Class: DEVELOPMENT WELL
 Final Well Class: DEVELOPMENT WELL-DRY (INCLUDING TEMPORARILY ABANDONED WELL)

(Casing) Size	Depth	Cement
13 3/8 IN	296 FT	225 SACK
8 5/8 IN	3615 FT	1500 SACK

API Nbr: 30025001000000 State: NEW MEXICO County: LEA
 Oper: AMERADA HESS CORP Oper Code: 000966
 Well: 3 Lease: HC POSEY A Prov Code: 430
 AAPG Prov: PERMIAN BASIN Field Code: 008270
 Field: CAPROCK EAST Meridian Code: 23
 District: 01 Spot:
 Meridian: NEW MEXICO 1855
 Twp: 12.0S Rng: 32.0E SEC: 11.0
 Footages: 1980FSL 1980FEL CONGRESS SECTION
 Source: TBNAD27 Lat: 33.29087 Long: -103.68559

Contr: Tools: ROTARY Rig Nbr:
 Oper Elev: 4357ES Rig Ht: Rig Release:
 Drlr Depth: 11237 FT TVD: Form @ TD: DEVONIAN
 Log TD: PB Depth: Form Age @ TD: DEVONIAN U

Spud Date: 08/27/1952 Date Well Added: 08/01/1973 Abnd Date:
 Comp Date: 12/07/1952 Last Update: 06/10/2000 TD Reached:
 Final Status: OIL Pool:
 Initial Well Class: DEVELOPMENT WELL
 Final Well Class: DEVELOPMENT WELL-OIL
 Prod Formation: DEVONIAN

(Casing) Size	Depth	Cement
13 3/8 IN	301 FT	225 SACK
8 5/8 IN	3590 FT	1500 SACK
5 1/2 IN	11147 FT	600 SACK

API Nbr: 30025001060000 State: NEW MEXICO County: LEA
 Oper: AMERADA HESS CORP Oper Code: 000966
 Well: 1 Lease: STATE ECF Prov Code: 430
 AAPG Prov: PERMIAN BASIN Field Code: 008270
 Field: CAPROCK EAST Meridian Code: 23
 District: 01 Spot:
 Meridian: NEW MEXICO 1855
 Twp: 12.0S Rng: 32.0E SEC: 11.0
 Footages: 660FSL 660FWL CONGRESS SECTION
 Source: TBNAD27 Lat: 33.28793 Long: -103.69456
 Contr: Tools: ROTARY Rig Nbr:

Oper Elev: 4389ES Rig Ht: Rig Release:
 Drlr Depth: 11302 FT TVD: Form @ TD: DEVONIAN
 Log TD: PB Depth: Form Age @ TD: DEVONIAN U
 Spud Date: 02/05/1953 Date Well Added: 08/01/1973 Abnd Date:
 Comp Date: 04/23/1953 Last Update: 06/10/2000 TD Reached:
 Final Status: OIL Pool:
 Initial Well Class: DEVELOPMENT WELL
 Final Well Class: DEVELOPMENT WELL-OIL

(Casing)

Size	Depth	Cement
13 3/8 IN	297 FT	225 SACK
8 5/8 IN	3610 FT	1500 SACK
5 1/2 IN	11270 FT	700 SACK

API Nbr: 30025001070000 State: NEW MEXICO County: LEA
 Oper: UNION OIL CO OF CAL Oper Code: 034551
 Well: 1 Lease: GROSS STATE Prov Code: 430
 AAPG Prov: PERMIAN BASIN Field Code: 008270
 Field: CAPROCK EAST Meridian Code: 23
 District: 01 Spot:
 Meridian: NEW MEXICO 1855 Long: -103.69392
 Twp: 12.0S Rng: 32.0E SEC: 11.0
 Footages: 1980FSL 660FWL CONGRESS SECTION
 Source: TBNAD27 Lat: 33.29107

Contr: Tools: ROTARY Rig Nbr:
 Oper Elev: 4341GR Rig Ht: Rig Release:
 Drlr Depth: 11295 FT TVD: Form @ TD: DEVONIAN
 Log TD: PB Depth: Form Age @ TD: DEVONIAN U
 Spud Date: 06/30/1952 Date Well Added: 08/01/1973 Abnd Date:
 Comp Date: 10/31/1952 Last Update: 06/10/2000 TD Reached:
 Final Status: OIL Pool:
 Initial Well Class: DEVELOPMENT WELL
 Final Well Class: DEVELOPMENT WELL-OIL
 Prod Formation: DEVONIAN

(Casing)

Size	Depth	Cement
11 3/4 IN	323 FT	250 SACK
8 5/8 IN	3620 FT	1500 SACK
5 1/2 IN	11278 FT	150 SACK

API Nbr: 30025001080000 State: NEW MEXICO County: LEA
 Oper: TEXACO INCORPORATED Oper Code: 033095
 Well: 3 Lease: STATE OF N M BH NCT
 AAPG Prov: PERMIAN BASIN Prov Code: 430
 Field: CAPROCK EAST Field Code: 008270
 District: 01
 Meridian: NEW MEXICO 1855 Meridian Code: 23
 Twp: 12.0S Rng: 32.0E SEC: 11.0 Spot:
 Footages: 1980FNL 663FWL CONGRESS SECTION
 Source: TBNAD27 Lat: 33.29507 Long: -103.69417

Contr: Tools: ROTARY Rig Nbr:
 Oper Elev: 4392DF Rig Ht: Rig Release:
 Drlr Depth: 11272 FT TVD:
 Log TD: PB Depth: 11270 FT Form @ TD: DEVONIAN
 Form Age @ TD: DEVONIAN U
 Spud Date: 12/13/1952 Date Well Added: 08/01/1973 Abnd Date:
 Comp Date: 04/10/1953 Last Update: 06/10/2000 TD Reached:
 Final Status: OIL Pool:
 Initial Well Class: DEVELOPMENT WELL
 Final Well Class: DEVELOPMENT WELL-OIL
 Prod Formation: DEVONIAN

(Casing) Size	Depth	Cement
13 3/8 IN	333 FT	350 SACK
8 5/8 IN	3589 FT	2300 SACK
5 1/2 IN	11272 FT	500 SACK

API Nbr: 30025001100000 State: NEW MEXICO County: LEA
 Oper: TEXACO INCORPORATED Oper Code: 033095
 Well: 4 Lease: STATE OF N MEH NCT1
 AAPG Prov: PERMIAN BASIN Prov Code: 430
 Field: CAPROCK EAST Field Code: 008270
 District: 01
 Meridian: NEW MEXICO 1855 Meridian Code: 23
 Twp: 12.0S Rng: 32.0E SEC: 11.0 Spot:
 Footages: 990FNL 990FWL CONGRESS SECTION
 Source: TBNAD27 Lat: 33.29756 Long: -103.69370

Contr: Tools: ROTARY Rig Nbr:
 Oper Elev: 4385DF Rig Ht: Rig Release:
 Drlr Depth: 11235 FT TVD:
 Log TD: PB Depth: Form @ TD: DEVONIAN
 Form Age @ TD: DEVONIAN U
 Spud Date: 03/18/1953 Date Well Added: 08/01/1973 Abnd Date:
 Comp Date: 08/20/1953 Last Update: 06/10/2000 TD Reached:
 Final Status: OIL Pool:
 Initial Well Class: DEVELOPMENT WELL
 Final Well Class: DEVELOPMENT WELL-OIL

(Casing) Size	Depth	Cement
13 3/8 IN	335 FT	350 SACK
8 5/8 IN	3635 FT	2300 SACK
5 1/2 IN	11215 FT	400 SACK

API Nbr: 30025001130000 State: NEW MEXICO County: LEA
 Oper: AMERADA HESS CORP Oper Code: 000966
 Well: 4 Lease: HG POSEY A Prov Code: 430
 AAPG Prov: PERMIAN BASIN Field Code: 008270
 Field: CAPROCK EAST Meridian Code: 23
 District: 01 Spot:
 Meridian: NEW MEXICO 1855
 Twp: 12.0S Rng: 32.0E SEC: 14.0
 Footages: 330FNL 2310FEL CONGRESS SECTION
 Source: TBNAD27 Lat: 33.28517 Long: -103.68651

Contr: Tools: ROTARY Rig Nbr:
 Oper Elev: 4354DF Rig Ht: Rig Release:
 Drlr Depth: 11255 FT TVD: Form @ TD: DEVONIAN
 Log TD: PB Depth: Form Age @ TD: DEVONIAN U
 Spud Date: 03/17/1953 Date Well Added: 08/01/1973 Abnd Date:
 Comp Date: 06/19/1953 Last Update: 06/10/2000 TD Reached:
 Final Status: OIL Pool:
 Initial Well Class: DEVELOPMENT WELL
 Final Well Class: DEVELOPMENT WELL-OIL

(Casing) Size	Depth	Cement
13 3/8 IN	299 FT	225 SACK
8 5/8 IN	3615 FT	1500 SACK
5 1/2 IN	11205 FT	600 SACK

API Nbr: 30025001150000 State: NEW MEXICO County: LEA
 Oper: AMERADA HESS CORP Oper Code: 000966
 Well: 1 Lease: STATE ECA Prov Code: 430
 AAPG Prov: PERMIAN BASIN Field Code: 008270
 Field: CAPROCK EAST Meridian Code: 23
 District: 01 Spot:
 Meridian: NEW MEXICO 1855
 Twp: 12.0S Rng: 32.0E SEC: 14.0
 Footages: 660FNL 1980FWL CONGRESS SECTION
 Source: TBNAD27 Lat: 33.28362 Long: -103.69034

Contr: Tools: ROTARY Rig Nbr:
 Oper Elev: 4364DF Rig Ht: Rig Release:
 Drlr Depth: 11314 FT TVD: Form @ TD: DEVONIAN
 Log TD: PB Depth: 11290 FT Form Age @ TD: DEVONIAN U
 Spud Date: 05/05/1951 Date Well Added: 08/01/1973 Abnd Date:

Comp Date: 08/31/1951 Last Update: 06/10/2000 TD Reached:
Final Status: OIL Pool:
Initial Well Class: NEW FIELD WILDCAT
Final Well Class: NEW FIELD WILDCAT-DISCOVERY

(Casing) Size	Depth	Cement
13 3/8 IN	296 FT	225 SACK
8 5/8 IN	3662 FT	1500 SACK
5 1/2 IN	11314 FT	600 SACK

