

8/22/08 DATE IN	SUSPENSE	W Jones ENGINEER	8/25/08 LOGGED IN	SWD TYPE	PKURO823556871 APP NO.
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -
1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

- [1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]
 [A] Location - Spacing Unit - Simultaneous Dedication
☐ NSL ☐ NSP ☐ SD
 Check One Only for [B] or [C]
 [B] Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM
 [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☒ SWD ☐ IPI ☐ EOR ☐ PPR
 [D] Other: Specify _____
- [2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or ☐ Does Not Apply
 [A] ☐ Working, Royalty or Overriding Royalty Interest Owners
 [B] ☒ Offset Operators, Leaseholders or Surface Owner
 [C] ☒ Application is One Which Requires Published Legal Notice
 [D] ☒ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
 [E] ☒ For all of the above, Proof of Notification or Publication is Attached, and/or,
 [F] ☐ Waivers are Attached
- [3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**
- [4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

<u>Ronnie Slack</u>	<u>Ronnie Slack</u>	<u>Engineering Tech</u>	<u>8-20-08</u>
Print or Type Name	Signature	Title	Date
		<u>Ronnie.Slack@dmn.com</u>	
		e-mail Address	

Devon
Hawk 8 K Fed #4
30-05-29034

RECEIVED
 2008 AUG 22 PM 2 56



Devon Energy Corporation
20 North Broadway
Oklahoma City, OK 73102-8260

405 235 3611 Phone
www.devonenergy.com

August 20, 2008

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

RE: Form C-108, Application for Authorization to Inject
Hawk 8 K Federal #4; API#: 30-015-29054
Eddy County, NM
Section 8, T18S, R27E

Gentlemen:

Please find attached Devon Energy Production Company, LP's Form C-108, Application for Authorization to Inject.

Devon's application proposes to take produced waters from the San Andres/Yeso formations and re-inject into the San Andres formation for salt water disposal purposes utilizing the Hawk 8 K Fed #4 wellbore.

A copy of this application is being filed with the OCD-Artesia office, surface land owner, and leasehold operators.

If you have any questions please contact Marcos Ortiz at (405)-552-8152 or myself at (405)-552-4615.

Sincerely,

A handwritten signature in cursive script that reads "Ronnie Slack".

Ronnie Slack
Engineering Technician

RS/rs
Enclosure

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: _____ Secondary Recovery _____ Pressure Maintenance ☒ Disposal _____ Storage
Application qualifies for administrative approval? ☒ Yes _____ No
- II. OPERATOR: _____ Devon Energy Production Company, LP _____
ADDRESS: _____ 20 North Broadway, Suite 1500, Oklahoma City, Oklahoma 73102 _____
CONTACT PARTY: _____ Ronnie Slack _____ PHONE: _____ 405-552-4615
- 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: _____ Ronnie Slack _____ TITLE: _____ Engineering Technician
- SIGNATURE: Ronnie Slack DATE: 8/20/08
- E-MAIL ADDRESS: _____ Ronnie.Slack@DVN.com _____
- * 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: _____

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

INJECTION WELL DATA SHEET

OPERATOR: _____ Devon Energy Production Company, LP _____

WELL NAME & NUMBER: _____ Hawk 8K Federal #4 _____

WELL LOCATION: _____ 1650' FSL & 2610' FWL _____ K _____ Sec 8 _____ T18S _____ R27E
FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGEWELLBORE SCHEMATICWELL CONSTRUCTION DATASurface Casing

Hole Size: 12-1/4" _____ Casing Size: 8-5/8", 24#, @ 1055'
Cemented with: _____ 500 _____ sx. *or* _____ ft³
Top of Cement: _____ Surface _____ Method Determined: Circ. cement

Intermediate Casing

Hole Size: NA _____ Casing Size: NA
Cemented with: _____ sx. *or* _____ ft³
Top of Cement: _____ Method Determined: _____

Production Casing

Hole Size: 7-7/8" _____ Casing Size: 5-1/2", 15.5#, @ 2249'
Cemented with: _____ 400 _____ sx. *or* _____ ft³
Top of Cement: _____ Surface _____ Method Determined: Circulated
Total Depth: _____ 2250' _____

Injection Interval (Perforated)

_____ 1243' _____ feet to _____ 2078' _____

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEETTubing Size: 2-3/8", 4.6# Lining Material: IPCType of Packer: 5-1/2" IPCPacker Setting Depth: +/- 1,200'

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

Additional Data

1. Is this a new well drilled for injection? _____ Yes _____ X No
 If no, for what purpose was the well originally drilled? _____ Producing Oil Well _____

2. Name of the Injection Formation: San Andres3. Name of Field or Pool (if applicable): Red Lake

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.

Only perforated interval = 1243' - 2078'

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

Oil zones: Below: Yeso @ 2723'; Abo 5176'; Above: Queen @ 614'Gas zones: Below: Morrow @ 9314'; Above: None

DEVON ENERGY PRODUCTION COMPANY LP

Well Name: HAWK 8K FEDERAL 4		Field: RED LAKE	
Location: 1650' FSL & 2610' FWL; SEC 8-T18S-R27E		County: EDDY	State: NM
Elevation: 3452' GL		Spud Date: 7/27/96	Compl Date: 8/17/96
API#: 30-015-29054	Prepared by: Ronnie Slack	Date: 7/16/08	Rev:

PROPOSED SWD

FORMATION TOPS

QUEEN	612'
GRAYBURG	1063'
PREMIER	1235'
SAN ANDRES	1276'

12-1/4" hole
8-5/8", 24#, J55, STC, @ 1,055'
 Cmt'd w/500 sx to surface

Proposed:
 2-3/8" IPC Tubing

Proposed:
 5-1/2" IPC Packer @ +/- 1200'

SAN ANDRES (Proposed for SWD)

1243, 1244, 1248

1316' 1343' 1428' 1437

1592, 1634, 1642, 1668, 1684, 1694, 1709

1811, 1816

1860, 1870

1984, 1992

2023, 2031, 2052, 2062, 2070, 2076, 2078

Acidized 1243' - 2078' w/2500 gals 15% NeFe
 Fraced w/6K# 100 mesh + 237K# 20/40

7-7/8" Hole
5-1/2", 15.5#, J55, LTC, @ 2,249'
 Cmt'd w/400 sx to surface

2,206' PBTD

2,250' TD

DEVON ENERGY PRODUCTION COMPANY LP

Well Name: HAWK 8K FEDERAL 4		Field: RED LAKE	
Location: 1650' FSL & 2610' FWL; SEC 8-T18S-R27E		County: EDDY	State: NM
Elevation: 3452' GL		Spud Date: 7/27/96	Compl Date: 8/17/96
API#: 30-015-29054	Prepared by: Ronnie Slack	Date: 6/6/08	Rev:

CURRENT SCHEMATIC
TA EXPIRES 9-13-08

FORMATION TOPS

QUEEN	612'
GRAYBURG	1063'
PREMIER	1235'
SAN ANDRES	1276'

12-1/4" hole
8-5/8", 24#, J55, STC, @ 1,055'
Cmt'd w/500 sx to surface

SAN ANDRES PERFORATION DETAIL

1243, 1244, 1248

1316' 1343' 1428' 1437

1592, 1634, 1642, 1668, 1684, 1694, 1709

1811, 1816

1860, 1870

1984, 1992

2023, 2031, 2052, 2062, 2070, 2076, 2078

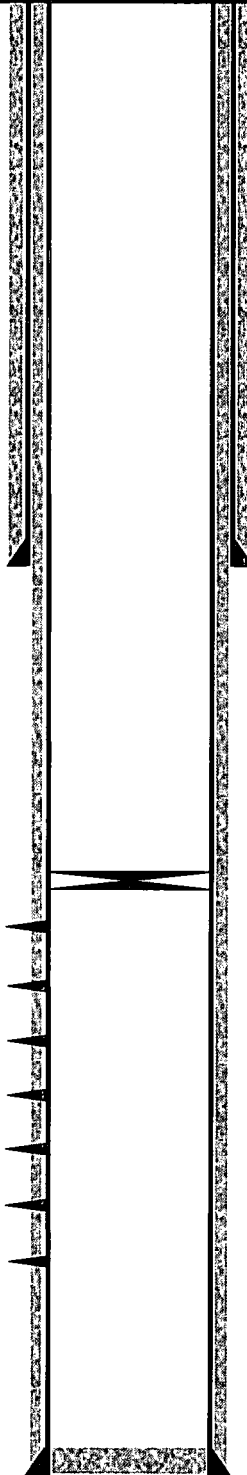
Acidized 1243' - 2078' w/2500 gals 15% NeFe
Fraced w/6K# 100 mesh + 237K# 20/40

CIBP @ 1,210' (3/14/08)

7-7/8" Hole
5-1/2", 15.5#, J55, LTC, @ 2,249'
Cmt'd w/400 sx to surface

2,206' PBD

2,250' TD



Hawk 8K Federal #4 proposed SWD conversion
APPLICATION FOR INJECTION
Form C-108 Section III

III. Well Data--On Injection Well

A. Injection Well Information

- (1) Lease Hawk 8K Federal
Well No 4
Location 1650 FSL & 2610 FWL
Sec.Twn.Rnge 8-T18S-R27E
Cnty, State Eddy, NM
- (2) Casing 8-5/8", 24#, @ 1055' in 12-1/4" hole. Cmt'd w/ 500 sxs.
TOC @ surface. Cement circulated.
5-1/2", 15.5#, @ 2,249'. Cmt'd w/ 400 sxs.
TOC @ surface. Cement circulated.
- (3) Injection Tubing 2-3/8" , 4.7#, J-55 IPC tubing run to +/- 1,200'
- (4) Packer 5-1/2" IPC Packer @ +/- 1,200'

B. Other Well Information

- (1) Injection Formation: San Andres
Field Name: Red Lake
- (2) Injection Interval: 1243' - 1,992'
- (3) Original Purpose of Wellbore:

The Hawk 8K Federal #4 was spud July 27, 1996 and completed as an oil producer in the San Andres formation from 1243' to 2078'. Cumulative production from the San Andres in the Hawk 8K Federal #4 is 22 MBO, 118 MMCF, and 182 MBW. Production declined down to 1 BOPD, 5 MCFPD, and 137 BWPD, prior to shut in, in April 2007. This well has good utility for disposing of produced San Andres/Yeso water back into the San Andres formation.

- (4) Other perforated intervals:

No other perforated zones except for the San Andres from 1243' to 2078'

- (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well if any.

Oil zones: Below: Yeso @ 2723'; Abo 5176'; Above: Queen @ 614'.

Gas zones: Below: Morrow @ 9314'. Above: None

C108-Item V

Map of Well Review Area

Proposed Injector; Hawk 8 K Federal #4
Eddy County; Sec 8-T18S-R27E



Devon Energy

Red Lake Field

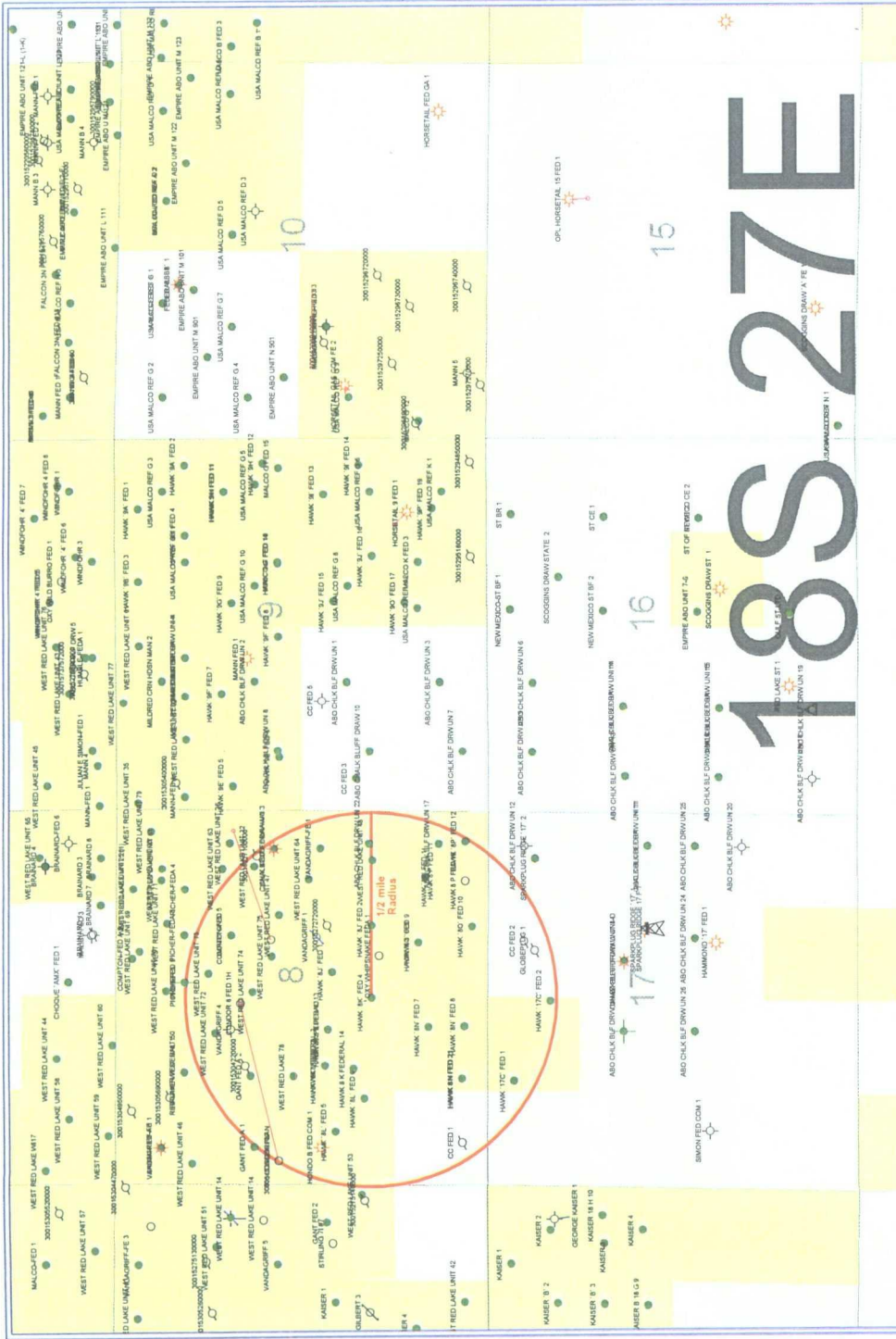
Hawk 8K Fed #4
1/2 Mile Radius Map



WELL SYMBOLS

- Location Only
- Oil Well
- Gas Well
- Oil & Gas Well
- Dry Hole
- Injection Well
- Service Well
- Juniper
- Abandoned Well
- Suspended Oil Well
- Drilling Well

May 25, 2008



C108 ITEM VI--Well Tabulation in Review Area Devon Energy Production Company, LP Proposed Disposal Well: Hawk 8K Federal #4																	
Operator	Well Name	API NO	County	Footage	Sec	Twn	Rnge	Type	Status	Spud Date	Comp Date	TD	PBTD	Comp Zone	Comp Interval-Ft	Casing Program	Cement / TOC
Amoco Production Company	Hondo B Fed Com 1	30-015-21114	Eddy	2310 FSL 660 FWL	8	18S	27E	Gas	P&A	11/08/74	01/15/75	9418	9382	Morrow	9314' - 9343'	13-3/8", 48#, H40, @ 321' 8-5/8", 24#, K55, @ 2010' 5-1/2", 14-17#, @ 9417'	300 sx / surface 1100 sx / surface 850 sx / 5160 (TS); P&A-Cmt plugs to surface
BP America Production Company	Empire Abo Unit 4 (formerly Chalk Bluff Draw 3)	30-015-00823	Eddy	2260' FNL 400' FEL	8	18S	27E	Oil	P&A	04/03/57	07/02/57	9580	surface	Abo Penn	5176' - 5406' 9505' - 9555'	11-3/4" @ 570' 8-5/8" @ 3089' 5-1/2" @ 9580'	750 sx / surface 1100 sx / surface 1090 sx / 2920' P&A -Cmt plugs to surface
BP America Production Company	Empire Abo Unit 4A (renamed from Abo Chalk Bluff Draw Unit 17)	30-015-00824	Eddy	660 FSL 330 FEL	8	18S	27E	Oil	Active	10/11/60	11/7/60	5591	5555	Abo	5346' - 5480'	8-5/8" 24# @ 1529' 4-1/2", 9.5# @ 5591'	800 sx / surface 800 sx / surface
BP America Production Company	Empire Abo Unit 4B (renamed from Abo Chalk Bluff Draw Unit 22)	30-015-00825	Eddy	1650 FSL 330 FEL	8	18S	27E	Oil	Active	12/30/60	01/21/61	5576	5545	Abo	5370' - 5400'	8-5/8" 24# @ 1534' 4-1/2", 9.5# @ 5576'	800 sx / surface 850 sx / 400' (TS)
BP America Production Company	Glowplug 17 Federal 1	30-015-32264	Eddy	600 FNL 1980 FEL	17	18S	27E	NA	APD expired	NA	NA	NA	NA	NA	NA	NA	NA
Chi Operating	Oxy Whipsnake Federal 1	30-015-35031	Eddy	1980 FSL 2250 FEL	8	18S	27E	Gas	Drilling	7/4/08	NA	9640	9553	Proposed Undesig Atoka-Morrow	NA	13-3/8", 54.5#, J55, @ 401' 9-5/8" 40#, J55 @ 1807' 5-1/2", 17#, N80, @ 9640'	600 sx / surface 885 sx / surface 1750 sx / surface
Devon Energy Production Co LP	Condor 8 Federal 1 H	30-015-35829	Eddy	1770 FNL 2525 FWL	8	18S	27E	Oil	Active	03/11/08	05/06/08	4837	4748	Yeso	3146' - 4741'	9-5/8" 36#, J55, @ 622' 5-1/2", 17#, N80, @ 4837'	305 sx / surface 850 sx / surface
Devon Energy Production Co LP	Hawk 17C Federal 1	30-015-29514	Eddy	380 FNL 1450 FWL	17	18S	27E	Oil	Active	5/31/97	6/29/97	2449	2403	San Andres	1335' - 2100'	8-5/8" 24#, J55, @ 1160' 5-1/2", 15.5#, J55, @ 2449'	550 sx / surface 425 sx / surface
Devon Energy Production Co LP	Hawk 17C Federal 2	30-015-29726	Eddy	890 FNL 2585 FWL	17	18S	27E	Oil	Active	10/11/97	10/24/97	2450	2400	San Andres	1328' - 2107'	8-5/8" 24#, J55, @ 1150' 5-1/2", 15.5#, J55, @ 2449'	575 sx / surface 450 sx / surface
Devon Energy Production Co LP	Hawk 8J Federal 1	30-015-29012	Eddy	2210 FSL 2310 FEL	8	18S	27E	Oil	Active	7/16/96	8/8/96	2250	2205	San Andres	1238' - 2066'	8-5/8" 24#, J55, @ 1064' 5-1/2", 15.5#, J55, @ 2249'	500 sx / surface 400 sx / surface
Devon Energy Production Co LP	Hawk 8J Federal 2	30-015-29049	Eddy	1650 FSL 1650 FEL	8	18S	27E	Oil	Active	09/07/96	09/28/96	2300	2254	San Andres	1293' - 2074'	8-5/8" 24#, J55, @ 1,087' 5-1/2", 15.5#, J55, @ 2299'	500 sx / surface 400 sx / surface
Devon Energy Production Co LP	Hawk 8K Federal 13	30-015-34337	Eddy	2160 FSL 2210 FWL	8	18S	27E	Oil	Active	12/20/05	1/14/06	3498	3430	San Andres Yeso	1558' - 2005' 2723' - 3043'	8-5/8" 24#, J55, @ 445' 5-1/2", 15.5#, J55, @ 3498'	300 sx / surface 700 sx / surface
Devon Energy Production Co LP	Hawk 8K Federal 14	30-015-34336	Eddy	1900 FSL 1650 FWL	8	18S	27E	Oil	Active	5/22/06	5/31/06	3515	3467	Yeso	2748' - 3045'	8-5/8" 24#, J55, @ 445' 5-1/2", 15.5#, J55, @ 3515'	262 sx / surface 750 sx / surface
Devon Energy Production Co LP	Hawk 8K Federal 3	30-015-29014	Eddy	2310 FSL 1650 FWL	8	18S	27E	Oil	P&A	8/2/96	9/7/96	3500	surface	San Andres Yeso	1567' - 1968' 2926' - 3046'	8-5/8" 24#, J55, @ 1044' 5-1/2", 15.5#, J55, @ 2199' 4", 1046# liner 2099-3500'	500 sx / surface 400 sx / surface 70 sx / liner top P&A-Cmt plugs to surface
Devon Energy Production Co LP	Hawk 8K Federal 4	30-015-29054	Eddy	1650 FSL 2610 FWL	8	18S	27E	Oil	TA	7/27/96	8/17/96	2250	2206	San Andres	1243' - 2078'	8-5/8" 24#, J55, @ 1055' 5-1/2", 15.5#, J55, @ 2249'	500 sx / surface 400 sx / surface
Devon Energy Production Co LP	Hawk 8L Federal 5	30-015-29015	Eddy	2160 FSL 725 FWL	8	18S	27E	Oil	Active	07/21/96	08/15/96	2199	2159	San Andres	1524' - 2014'	8-5/8" 24#, J55, @ 1028' 5-1/2", 15.5#, @ 2199'	500 sx / surface 400 sx / surface
Devon Energy Production Co LP	Hawk 8L Federal 6	30-015-29068	Eddy	1750 FSL 1190 FWL	8	18S	27E	Oil	Active	10/7/96	10/25/96	2200	2154	San Andres	1352' - 1986'	8-5/8" 24#, J55, @ 1081' 5-1/2", 15.5#, J55, @ 2199'	500 sx / surface 400 sx / surface
Devon Energy Production Co LP	Hawk 8N Federal 21	30-015-34964	Eddy	300 FSL 1500 FWL	8	18S	27E	Oil	Active	7/3/06	7/26/06	3410	3358	San Andres Yeso	1829' - 2595' 2844' - 3145'	8-5/8" 24#, J55, @ 412' 5-1/2", 15.5#, @ 3410'	265 sx / surface 820 sx / surface
Devon Energy Production Co LP	Hawk 8N Federal 7	30-015-29016	Eddy	840 FSL 2200 FWL	8	18S	27E	Oil	Active	10/12/96	11/1/96	2250	2200	San Andres	1268' - 2058'	8-5/8" 24#, J55, @ 1064' 5-1/2", 15.5#, J55, @ 2249'	600 sx / surface 450 sx / surface
Devon Energy Production Co LP	Hawk 8N Federal 8	30-015-29055	Eddy	330 FSL 2210 FWL	8	18S	27E	Oil	Active	10/30/96	11/15/96	2350	2294	San Andres	1252' - 2092'	8-5/8" 24#, J55, @ 1066' 5-1/2", 15.5#, J55, @ 2349'	500 sx / surface 475 sx / surface
Devon Energy Production Co LP	Hawk 8O Federal 10	30-015-29056	Eddy	230 FSL 1650 FEL	8	18S	27E	Oil	Active	10/25/96	11/1/96	2350	2303	San Andres	1460' - 2132'	8-5/8" 24#, J55, @ 1089' 5-1/2", 15.5#, J55, @ 2349'	500 sx / surface 450 sx / surface
Devon Energy Production Co LP	Hawk 8O Federal 9	30-015-29069	Eddy	990 FSL 1885 FEL	8	18S	27E	Oil	Active	9/26/96	10/19/96	3413	3413	San Andres Yeso (open hole)	1658' - 2092' 2841' - 2941'	8-5/8" 24#, J55, @ 1087' 5-1/2", 15.5#, J55, @ 2249'	500 sx / surface 400 sx / surface

[illegible]Page 2 of 2

HAWK 8K FEDERAL 4
APPLICATION FOR INJECTION
Form C-108 Section VII to XIII

VII Attach data on the proposed operation, including:

- (1) Proposed average injection rate: 350 BWPD
Proposed maximum injection rate: 800 BWPD
- (2) The system will be a closed system.
- (3) Proposed average injection pressure: 900 PSI
Proposed max injection pressure: 1200 PSI
- (4) The proposed injection fluid is produced water from the San Andres and Yeso formations that will be injected back into the San Andres formation. These waters are commingled. Attached is a water analysis (Item VII #4) of Yeso/San Andres water that will be injected. There are no water compatability issues with these commingled waters.
- (5) Attached is a water analysis (Item VII #5) of San Andres formation water from the Malco B Federal #6 well.

VIII Gelologic Injection Zone Data

The proposed injection zone is the the San Andres formation perforated in the Hawk 8K Fed #4 from 1243' to 2078'. The San Andres formation is a Permian aged dolomite. The proposed perforated injection interval is 835' thick. The average depth to fresh water aquifers is reported to be approximately 600'.

IX Proposed Stimulation

Depending on injection rates and pressures, the proposed injection zone could be acidize with +/- 5000 gallons 7.5% acid and fraced w/+/-120,000# proppant.

X Log Data

Well logs have previously been submitted to the OCD.

XI Fresh Water Analysis

No active fresh water wells were indicated within one mile of proposed injection well per New Mexico office of the State Engineer web site.

XII Geologic / Engineering Statement

An examination of this area has determined there are no open faults or other hydrologic connection between the disposal zone and any underground drinking water.

XIII Proof of Notice

Proof of notice to surface owner, leasehold operator, and public legal notification is attached



BJ Services

WATER ANALYSIS

Atesia Laboratory
(505) 746-3140

Operator:		Date:	5/29/2008
Well:	West Red Lake Station #1	District:	Artesia
Formation:		Requested:	Merle Lewis
Field:		Technician:	Terry Croft
County:		Source:	A M
Depth:		PFS Test #:	
		M:Water Analysis\	Customer: Devon Energy

PH	1.135	Temp (F):	78
Specific Gravity:	7.08	H2S:	

CATIONS

	mg/l	me/l	ppm
Sodium (calc.)	281873	12260.7	39813
Calcium	4010	200.1	566
Magnesium	< .5	24.0	----
Barium	< 25	----	----
Potassium	< 10	----	----
Iron	0	0.0	0

ANIONS

Chloride	440000	12411.8	62147
Sulfate	1600	33.3	226
Carbonate	0	0.0	0
Bicarbonate	952	15.6	134

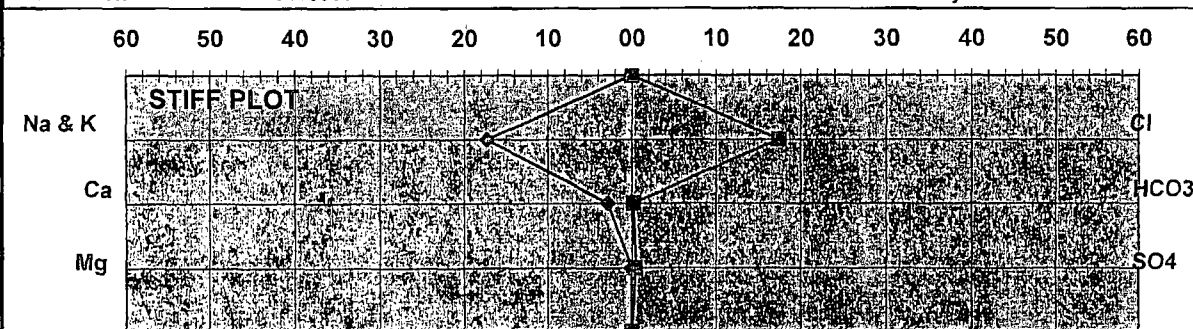
Total Dissolved Solids(calc.)	728434	102886
-------------------------------	--------	--------

Total Hardness as CaCO3	10014	200.1	1414
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COMMENTS:

SCALE ANALYSIS:

CaCO3 Factor	3815916	Calcium Carbonate Scale Probability	Probable
CaSO4 Factor	6416000	Calcium Sulfate Scale Probability:	Possible



C108-Item VII #5
 Disposal Zone Formation Water Analysis
 San Andres Formation



BJ Services

WATER ANALYSIS

Atesia Laboratory
 (505) 746-3140

Operator:	Devon Energy	Date:	7/9/2008
Well:	Melco B federal #6	District:	Artesia
Formation:		Requested:	Martin Ortiz
Field:		Technician:	T.Croft
County:		Source:	
Depth:		PFS Test #:	
		M:Water Analysis\	Customer:

PH	5.81	Temp (F):	73.7
Specific Gravity:	1.14	H2S:	

CATIONS

	mg/l	me/l	ppm
Sodium (calc.)	112711	4902.6	98869
Calcium	4010	200.1	3518
Magnesium	243	24.0	256
Barium	< 25	---	---
Potassium	< 10	---	---
Iron	0	0.0	0

ANIONS

Chloride	180000	5077.6	157895
Sulfate	1600	33.3	1404
Carbonate	0	0.0	0
Bicarbonate	720	11.8	631

Total Dissolved Solids(calc.)	299283	262529
-------------------------------	--------	--------

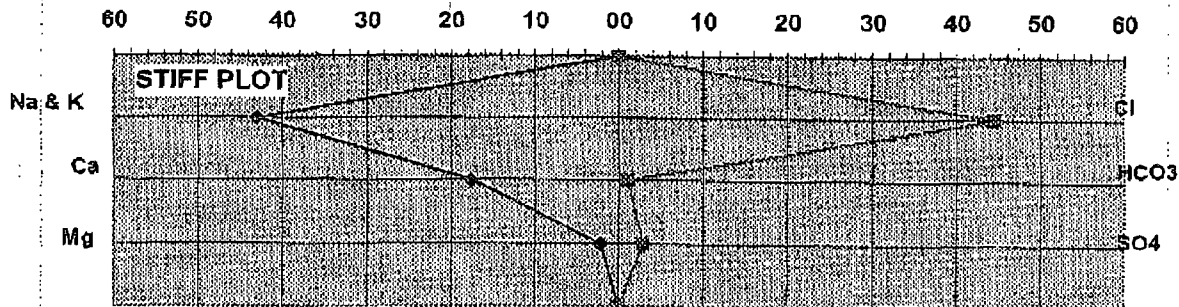
Total Hardness as CaCO3	11014	9662
-------------------------	-------	------

COMMENTS:

SCALE ANALYSIS:

CaCO3 Factor	2886398
CaSO4 Factor	6418000

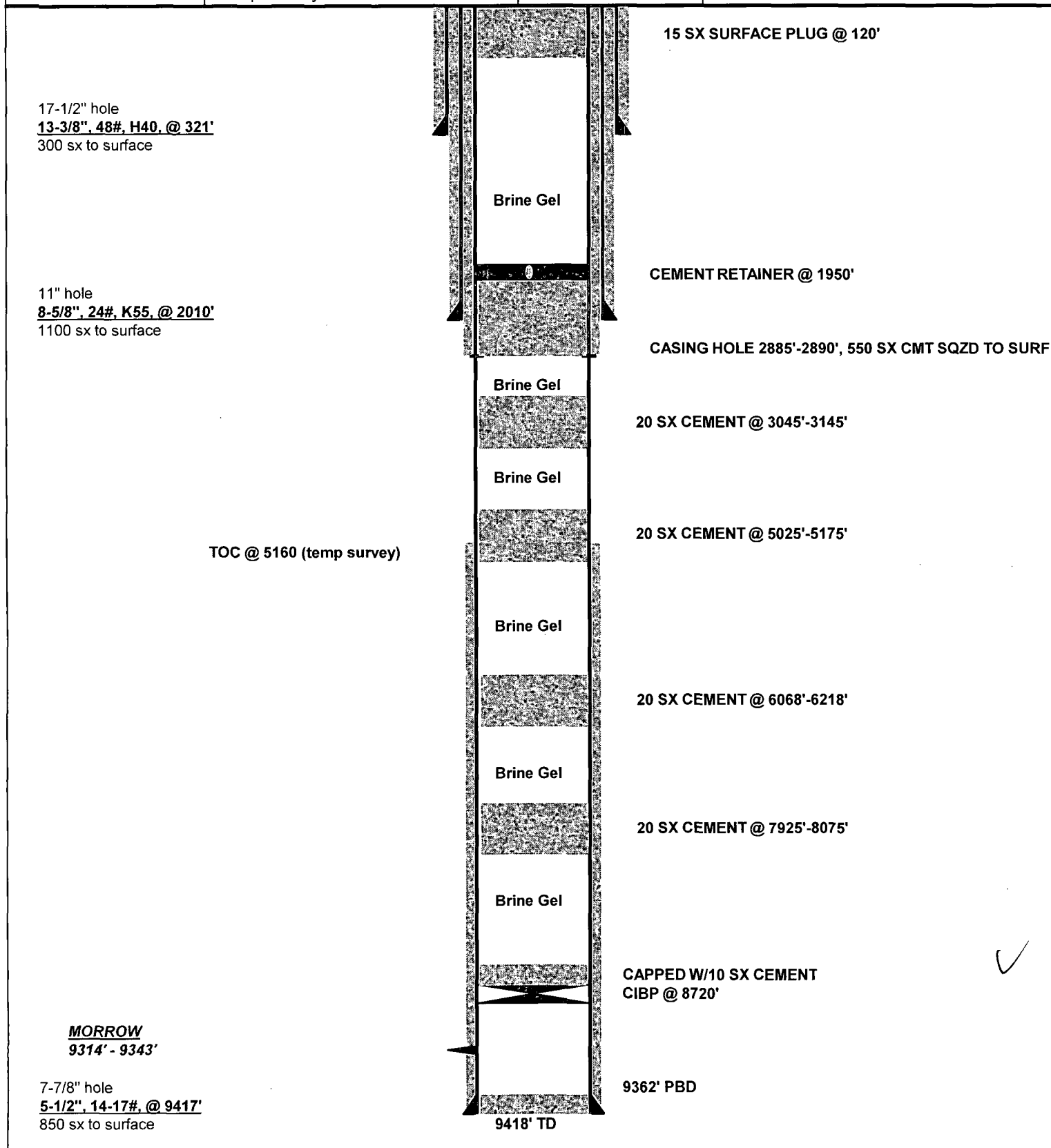
Calcium Carbonate Scale Probability:	Probable
Calcium Sulfate Scale Probability:	Possible



AMOCO PRODUCTION COMPANY

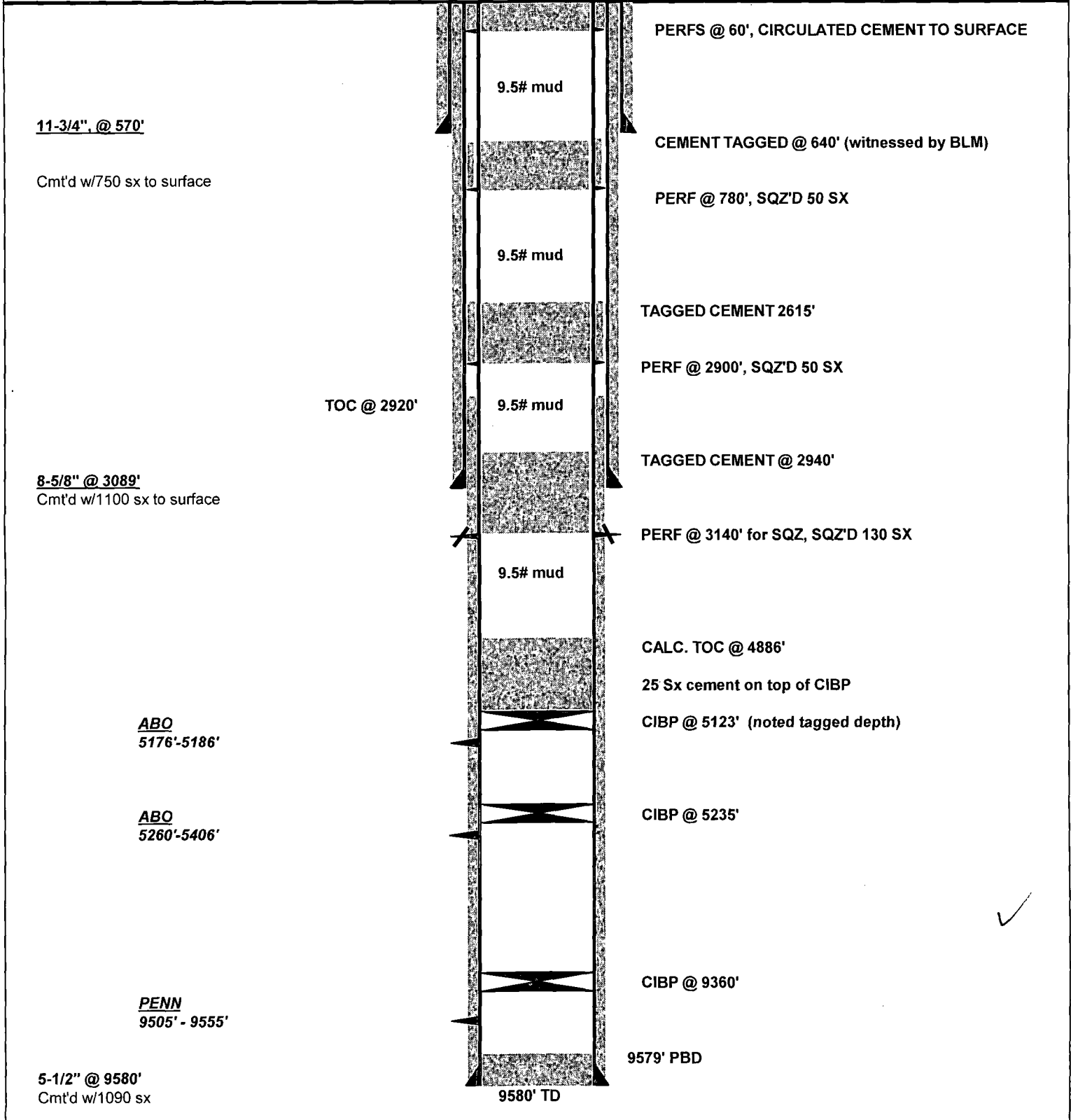
HONDO B FEDERAL GAS COM 1 PLUGGED & ABANDONED PER BLM RECORDS-12/4/85

Well Name: HONDO B FEDERAL GAS COM 1		Field: RED LAKE	
Location: 2310' FSL & 660' FWL; SEC 8-T18S-R27E		County: EDDY	State: NM
Elevation: 3405' RKB		Spud Date: 11/8/74	Compl Date: 1/15/75
API#: 30-015-21114	Prepared by: Ronnie Slack	Date: 7/22/08	Rev:



BP AMERICA PRODUCTION COMPANY
PLUGGED & ABANDONED BY BP AMERICA PER BLM RECORDS ON 8/24/04

Well Name: EMPIRE ABO 4		Field: RED LAKE	
Location: 2260' FNL & 400' FEL; SEC 8-T18S-R27E		County: EDDY	State: NM
Elevation: 3501' GL; KB: 11'		Spud Date: 4/3/57	Compl Date: 7/2/57
API#: 30-015-00823	Prepared by: Ronnie Slack	Date: 7/22/08	Rev:



DEVON ENERGY PRODUCTION COMPANY LP

Well Name: HAWK 8K FEDERAL #3		Field: RED LAKE	
Location: 2310' FSL & 1650' FWL; SEC 8-T18S-R27E		County: EDDY	State: NM
Elevation: 3423' KB; 3414' GL		Spud Date: 8/2/96	Compl Date: 9/1/96
API#: 30-015-29014	Prepared by: Ronnie Slack	Date: 10/2/07	Rev:

PLUGGED & ABANDONED -- 10/2/07

12-1/4" Hole
8-5/8", 24#, J55, ST&C, @ 1,044'
 Cmt'd w/500 Sx to surface

SAN ANDRES (8/27/96)
1567' - 1966' (Orig perms Sqzd w/400 Sx 9/21/99)

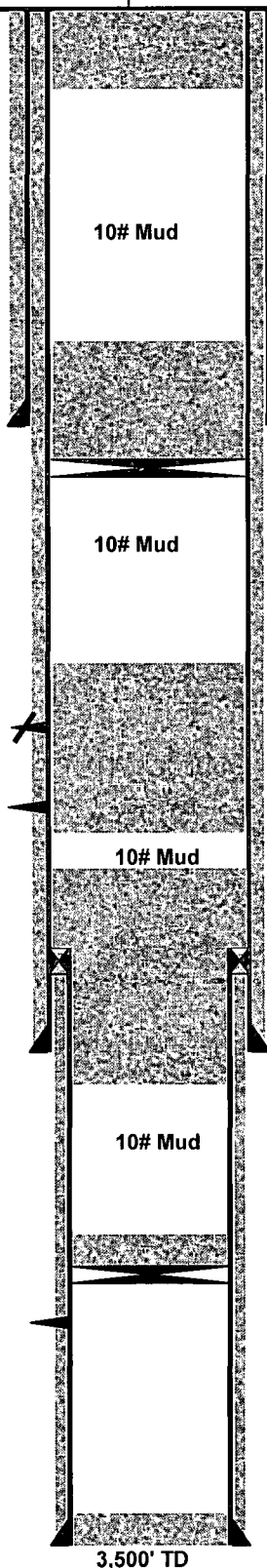
1747' - 1968' (Perfed 12/6/99)

4" Liner Top @ 2,099'

7-7/8" Hole
5-1/2", 15.5#, J55, LT&C, @ 2,199'
 Cmt'd w/400 Sx to surface

YESO (10/7/99)
2926' - 3046'

4-3/4" Hole
4", 10.46#, (3.476" ID) J55, CMFJ-4 Liner @ 3,500'
 Cmt'd w/70 Sx



1. Spot 60' (10 Sx) surface plug (9/11/07)
 2. Cut wellhead off.
 3. Set dry hole marker. Plugged & abandoned (10/2/07)

1. Set CIBP at 1,094'.
 2. Spot 30 Sx plug at 1,094'.
 2. Tagged TOC at 848'. (9/11/07)

1. Spot 50 Sx plug at 1973'.
 2. Tagged TOC at 1374'. (9/11/07)

1. Spot 25 Sx plug at 2257'.
 2. Tagged TOC at 2073'. (9/7/07)

1. MIRU for P&A on 9/6/07.
 2. Tagged PBD @ 2845'.
 3. Circulated wellbore w/10# mud

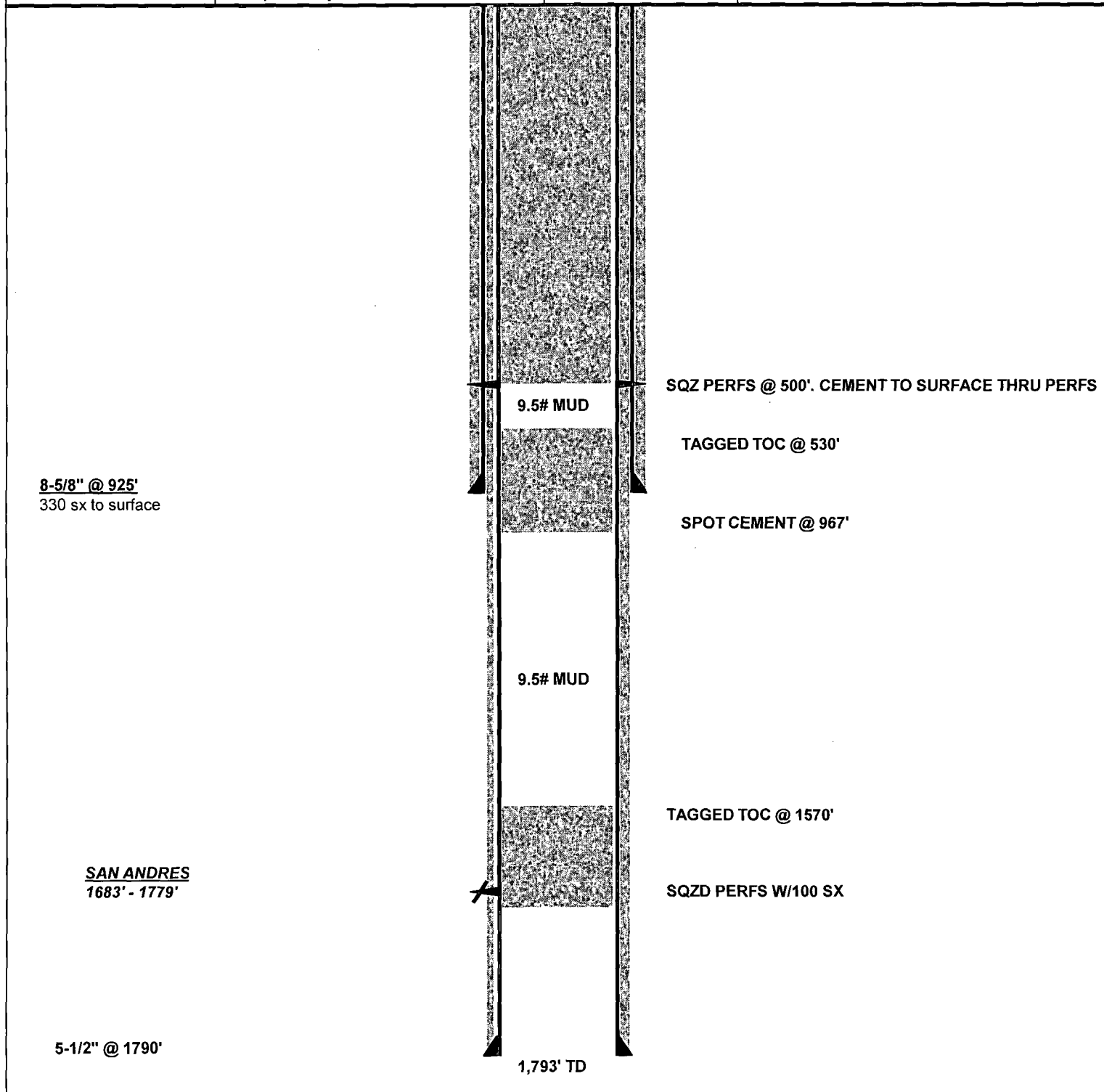
35' Cement. PBD @ 2845' (6/4/07)
 CIBP @ 2,880' (6/4/07)

3,454' PBTD

3,500' TD

ARCO OIL and GAS COMPANY
PLUGGED & ABANDONED PER BLM RECORDS 10/15/85

Well Name: WEST RED LAKE UNIT 20		Field: RED LAKE	
Location: 1930' FNL & 1650' FWL; SEC 8-T18S-R27E		County: EDDY	State: NM
Elevation:		Spud Date: 9/1/57	Compl Date: 9/26/57
API#: 30-015-00827	Prepared by: Ronnie Slack	Date: 7/22/08	Rev:



DEVON ENERGY PRODUCTION COMPANY LP

Well Name: WEST RED LAKE UNIT #72		Field: RED LAKE	
Location: 1400' FNL & 2100' FWL; SEC 8-T18S-R27E		County: EDDY	State: NM
Elevation: 3387' KB; 3378' GL		Spud Date: 6/5/96	Compl Date: 7/20/96
API#: 30-015-28941	Prepared by: Ronnie Slack	Date: 4/22/08	Rev:

PLUGGED & ABANDONED
4/22/08

Cut wellhead off, set dry hole marker, cleaned location
Plugged & Abandoned—4/22/08

12-1/4" hole
8-5/8", 24#, J55, ST&C. @ 1,000'
Cmt'd w/500 Sx. Circ'd 87 Sx to surface.

Spot 115 sx cement from 1,100' to surface

SAN ANDRES PERFORATION DETAIL

1208', 1210', 1212', 1231', 1232', 1278', 1284', 1287',
1301', 1309', 1320', 1321', 1322', 1358', 1359' (Sqzd
w/100 Sx-5/99)

1514', 1520', 1536', 1544', 1554', 1572' (Sqzd w/350 Sx-
4/00)

1688', 1689', 1690', 1692', 1694', 1696', 1698', 1700',
1702', 1747', 1748', 1749', 1750' (Sqzd w/100 Sx - 12/00)

1802', 1808', 1838', 1846', 1859', 1860', 1861', 1862',
1863', 1864', 1865', 1866', 1880', 1889'

1920', 1921', 1931', 1932', 1933', 1934', 1957', 1959', 1960'

10 ppg mud

TIH to 1,726' & circulated wellbore w/10 ppg mud

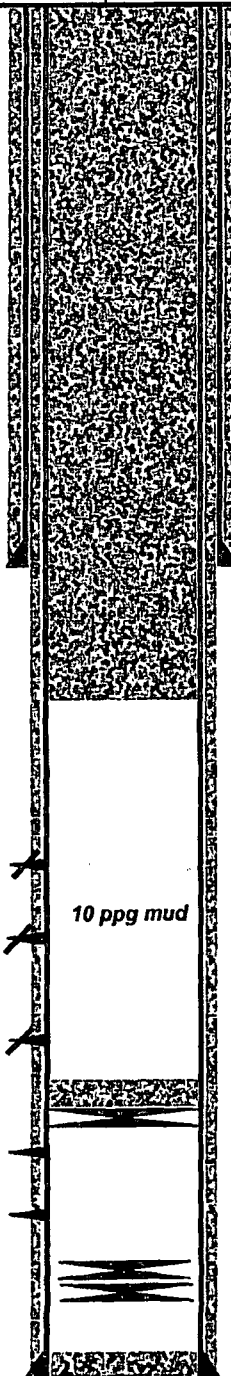
35' Cement. PBD @ 1,726' (12/4/07)
CIBP @ 1,762' (12/4/07)

CIBP pushed to 2050 (12/00)
CIBP pushed to 2064 (4/00)

FC @ 2,107' (PBTD)

7-7/8" Hole
5-1/2", 15.5#, J55, LT&C. @ 2,150'
Cmt'd w/400 Sx. Circ'd 43 Sx to surface.

2,150' TD



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 re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals

SUBMIT IN TRIPLICATE - Other instructions on page 2

OPERATOR'S COPY FORM APPROVED
OMB NO. 1004-0137
EXPIRES: March 31, 2007

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. LC-070678-A
2. Name of Operator DEVON ENERGY PRODUCTION COMPANY, LP		6. If Indian, Allottee or Tribe Name
3a. Address 20 North Broadway, Ste 1500, Oklahoma City, OK 73102		7. Unit or CA Agreement Name and No.
3b. Phone No. (include area code) 405-552-4615		8. Well Name and No. Hawk 8 K Federal 4
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1650 FSL 2610 FWL Unit "K" Sec. 8 T18S R27E		9. API Well No. 30-015-29054
		10. Field and Pool, or Exploratory Area Red Lake; Queen-Grayburg San Andres
		11. County or Parish, State Eddy NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input checked="" type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work and approximate duration thereof. If the proposal deepens directionally or recompletes horizontally, give subsurface location and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirement, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection)

Devon Energy Production Company, LP is preparing Form C108, Application for Authorization to Inject that will be filed with the Oil Conservation Division, Santa Fe, New Mexico office. Devon is proposing to inject San Andres/Yeso water into current San Andres perforations from 1243' to 2078'. The BLM will be furnished a copy of C108 application when filed with the OCD.

Proposed:

1. MIRU. TIH and mill out CIBP @ 1,210'.
2. Acidize current perforations from 1243' to 2078' w/+/- 5000 gallons 7.5% acid and Frac w/+/-120,000# proppant necessary.
3. RIH w/2-3/8" IPC tubing & packer. Displace w/ packer fluid. Set IPC packer @ +/- 1,200'. Conduct MIT.
4. Turn to SWD.

Proposed schemat attached

RECEIVED

AUG 18 2008

LEASE RECORDS

SUBJECT TO LIKE
APPROVAL BY STATE

14. I hereby certify that the foregoing is true and correct Name: Ronnie Slack	Title Engineering Technician
Signature Ronnie Slack	Date 7/29/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date	APPROVED AUG 9 2008 JAMES A. AMOS SUPERVISOR-EPS
Conditions of approval, if any are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct or operations thereon.	Office		

Devon Energy Production Company, LP
Form C-108 Section XIV
Proof of Notice to Leasehold Operator

Application For Injection in Hawk 8 K Federal #4

Leasehold Operators within 1/2 mile of Hawk 8 K Federal #4

Amoco Production Company
1309 Washington Ave.
Houston, TX 77002

Certified receipt No.
7005 1160 0005 1810 2946

BP America Production Co.
501 Westlake Park Blvd.
Houston, TX 77079

Certified receipt No.
7005 1160 0005 1810 2953

Chi Operating
P.O. Box 1799
Midland, TX 79702

Certified receipt No.
7005 1160 0005 1810 2960

Kelton Operating Corporation
200 N. Main Street
Andrews, TX 79714

Certified receipt No.
7005 1160 0005 1810 2977

SDX Resources
P.O. Box 5061
Midland, TX 79704

Certified receipt No.
7005 1160 0005 1810 2984

A copy of this application has been mailed to the above leasehold operators by certified mail, pertaining to Devon Energy's application for salt water disposal in the Hawk 8 K Federal #4

Date Mailed: 8/20/2008

Signature: Ronnie Slack

Date: 8/20/2008

Ronnie Slack, Engineering Technician
Devon Energy Production Co., L.P.
20 N. Broadway, Suite 1500
Oklahoma City, OK 73102

Devon Energy Production Company, LP
Form C-108 Section XIV
Proof of Notice to Surface Land Owner

Application For Injection in Hawk 8 K Federal #4

Surface Land Owner

Bureau of Land Management
Carlsbad Field Office
620 East Greene Street
Carlsbad, NM 88220

Certified receipt No.
7005 1160 0005 1810 2991

A copy of this application has been mailed to the above surface land owner by certified mail, pertaining to Devon Energy's application for salt water disposal in the Hawk 8 K Federal #4

Date Mailed: 8/20/2008

Signature: Ronnie Slack

Date: 8/20/2008

Ronnie Slack, Engineering Technician
Devon Energy Production Co., L.P.
20 N. Broadway, Suite 1500
Oklahoma City, OK 73102

Affidavit of Publication

State of New Mexico,
County of Eddy, ss.

Kathy McCarroll, being first duly sworn,
on oath says:

That she is the Classified Supervisor of the Carlsbad Current-Argus, a newspaper published daily at the City of Carlsbad, in said county of Eddy, state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the State wherein legal notices and advertisements may be published; that the printed notice attached hereto was published in the regular and entire edition of said newspaper and not in supplement thereof on the date as follows, to wit:

July 17 _____ 2008

That the cost of publication is \$ 46.44 that Payment Thereof has been made and will be assessed as court costs.

Kathy McCarroll

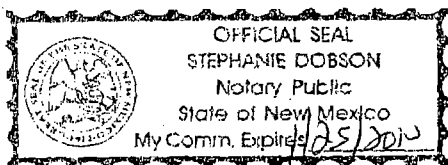
Subscribed and sworn to before me this

17th day of July, 2008

Stephanie Dobson

My commission Expires on 11/25/2010

Notary Public



July 17, 2008

Legal Notice

Devon Energy Production Company, LP,
20 North Broadway,
Oklahoma City, OK
73102-8260 has filed

form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for an injection well. The proposed well, the Hawk 8K Federal #4 located 1650' FSL & 2610' FWL, Section 8, Township 18 South, Range 27 East, in Eddy County, New Mexico, will be used for salt water disposal. Disposal waters from the Yesso/Sand Andres formations

will be injected into the San Andres formation at a depth from 1243' to 278'. A maximum injection rate of 800 BW/D and maximum injection pressure of 120 psi is expected.

All interested parties opposing the above mentioned well file objections or request for a hearing with the Oil Conservation Division, 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505-5472, within 15

days. Additional information can be obtained by contacting Marcos Ortiz at (405) 552-8152.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Division
811 S. 1st Street
Albuquerque, NM 87102-2834
FORM APPROVED
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

2. Name of Operator

DEVON ENERGY CORPORATION (NEVADA)

3. Address and Telephone No.

20 NORTH BROADWAY, SUITE 1500, OKLAHOMA CITY, OKLAHOMA 73102 (405) 235-3611

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

1650' FSL & 2610' FWL, Unit K, Sec. 8-T18S-R27E

LC-070678-A

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

Hawk "8K" Federal #4

9. API Well No.

30-015-29054

10. Field and Pool, or Exploratory Area

Red Lake (Q-GB-SA)

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 Completion

- ☐ 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.)*

08-15-96 thru 08-16-96 RU Wedge WL. Ran Cement Bond log from 2200-50'.

Ran 4" csg gun and perf'd San Andres w/1 JSPF at 1243', 1244', 1248', 1316' 1343', 1428', 1437', 1592', 1634', 1642', 1668', 1684', 1694', 1709', 1811', 1816', 1860', 1870', 1984', 1992', 2023', 2031', 2052', 2062', 2070', 2076', 2078'; total 27 holes (.40" EHD), phased at 120°.

BJ Srv acidized perfs 1243-2078' down csg w/2500 gals 15% NeFe acid + 54 BS at AIR 7 BPM w/2500 psi. ISIP 1250 psi, 15 mins 965 psi.

Frac'd w/1000 gals fresh wtr prepad w/scale inhibitor + 180,000 gals 20# linear gel + 6000# 100-mesh sd + 237,000# 20/40 Brady sd at AIR 62 BPM w/2765 psi. ISIP 1160 psi, forced closed.

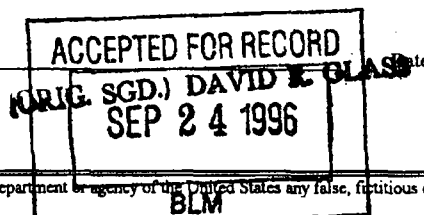
Washed out sand to PBTD 2206'. Ran 2 7/8" tbg, SN set at 2106'. Ran pump and rods. Began pump testing.

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

Signed Candace R. Graham Title Engineering Technician Date August 28, 1996
(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____



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.

*See Instruction on Reverse Side

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Premier Sand San Andres	1237'	1278'	sandstone dolomite	Bowers	421'	+3040'
	11278	2280'		Queen	614'	+2847'
				Grayburg	1008'	+2453'
				Premier	1237'	+2224'
				San Andres	1278'	+2183'
		DEPTH	ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.. (continued from the front)			
			N/A			

Injection Permit Checklist (7/8/08)

Case _____ R- SWD 1148 WFX _____ PMX _____ IPI _____ Permit Date 10/20/08 UIC Qtr _____

Wells _____ Well Name: HAWK 8K F2L #4

API Num: (30-) 015-29054 Spud Date: 7/27/96 New/Old: N (UIC primacy March 7, 1982)

Footages 1650 FSL/2610 FWL Unit KSec 8 Tsp 18S Rge 2TE County EDDY

Operator: DEVON Energy Production Company, L.P. Contact Ronnie SLACK

OGRID: 6137 RULE 40 Compliance (Wells) 4/17/19 (Finan Assur) OK

Operator Address: 20 North BWAY, SUITE 500, OKC, OK 73102

Current Status of Well: TAED after Depleted Production

Planned Work to Well: Drill CIBP, put on inj. Planned Tubing Size/Depth: 2 3/8 @ 1200'

	Sizes Hole.....Pipe	Setting Depths	Cement Sx or Cf	Cement Top and Determination Method
Existing <input checked="" type="checkbox"/> Surface	<u>12 1/4 8 5/8</u>	<u>1055</u>	<u>500</u>	<u>CIRC</u>
Existing <input type="checkbox"/> Intermediate				
Existing <input checked="" type="checkbox"/> New Long String	<u>7 7/8 5 1/2</u>	<u>2249</u>	<u>400</u>	<u>CIRC 890 CBL</u>

DV Tool _____ Liner _____ Open Hole _____ Total Depth 2250 PSTD _____

Well File Reviewed ☒

Diagrams: Before Conversion ☒ After Conversion ☒ Elogs in Imaging File ☒

Intervals:	Depths	Formation	Producing (Yes/No)
Above (Name and Top)			
Above (Name and Top)	<u>1243</u>	<u>Q.N (OIL)</u>	
Injection.....	<u>1243</u>	<u>SA PROMBER</u>	
Interval TOP:	<u>1243</u>		
Injection.....	<u>2078</u>	<u>SA</u>	
Interval BOTTOM:	<u>2078</u>		
Below (Name and Top)	<u>2723</u>	<u>YES O (OIL)</u>	

250 PSI Max. WHIP
NO Open Hole (Y/N)
NO Deviated Hole?

Sensitive Areas: Capitan Reef

Gliff House

Salt Depths

Don't see any here

..... Potash Area (P-111P)

..... Potash Lessee

Noticed? _____

Fresh Water: Depths: 0-600' Wells (Y/N) NO Analysis Included (Y/N): _____ Affirmative Statement ☒

Salt Water: Injection Water Types: SA/XO Analysis? _____

Injection Interval..... Water Analysis: _____ Hydrocarbon Potential Depleted Oil Well. From the Zone

Notice: Newspaper (Y/N) ☒ Surface Owner BLM Mineral Owner(s) _____

RULE 701B(2) Affected Parties: AMCO/BP/CHE/KALCO/SDX

Area of Review: Adequate Map (Y/N) ☒ and Well List (Y/N) ☒

Active Wells 30 Num Repairs 0 Producing in Injection Interval in AOR Yes

..P&A Wells 6 Num Repairs 0 All Wellbore Diagrams Included? Yes

Questions to be Answered:

Required Work on This Well: _____ Request Sent _____ Reply: _____

AOR Repairs Needed: _____ Request Sent _____ Reply: _____

Request Sent _____ Reply: _____

1243
2486