DATE 04/18/13	SUSPENSE	ENGINEER RE	LOGGED IN 04/19/13	TYPE SWD	APP NO. pPRG1310950518

ABOVE THIS LINE FOR DIVISION USE ONLY

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

30-015-20754
CatClaw Draw #7
SWD

RECEIVED OCD
2013 APR 19 P 1:

ADMINISTRATIVE APPLICATION CHECKLIST

Chevron

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]

SWD: Delaware - Mt Cherry & Brushy

[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 _____

Intrd

Chevron - logs show Based on into Del.

[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.

Justin Fehr	Justin Feh	TTL Delaware Basin	4/16/13
Print or Type Name	Signature	Title	Date

jfeh@chevron.com
e-mail Address

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL
RESOURCES DEPARTMENT

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

FORM C-108
Revised June 10, 2003

APPLICATION FOR AUTHORIZATION TO INJECT

I. PURPOSE: _____Secondary Recovery _____Pressure Maintenance ___X_____Disposal _____Storage
Application qualifies for administrative approval? ____X_____Yes _____No

II. OPERATOR: __Chevron Coporation_____

ADDRESS: ____15 Smith Rd., Midland, TX 79705_____

CONTACT PARTY: ___Jonathan Wells_____PHONE: _432-687-7674__

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 ___X_____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. **ATTACHED**

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. **ATTACHED**

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.). **ATTACHED**

*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. **ATTACHED**

IX. Describe the proposed stimulation program, if any. **ATTACHED**

*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. **ATTACHED**

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

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: _____Jonathan Wells_____TITLE: _____ Petroleum Engineer_____

SIGNATURE: _____DATE: _____4/16/13_____

E-MAIL ADDRESS: ___jonathanwells@Chevron.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.
ATTACHED

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. **ATTACHED**

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. **ATTACHED**
OR WILL BE FORWARDED AS SOON AS RECEIVED

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.

ATTACHMENT TO FORM C-108

RE: Catclaw Draw #7 SWD

PART I — Chevron Corporation plans to convert the above referenced well as a Salt Water Disposal well in the Cherry Canyon & Brushy Canyon formation of the Delaware Mountain Group.

PART II — Chevron Corporation
15 Smith Rd
Midland, TX 79705

PART III — Well Data Sheets attached

PART IV — This is not an expansion of an existing project.

PART V — Map attached designating ½ mile and 2 mile radius of review area.

PART VI — There are 2 wells within the area of review which penetrate the proposed injection zone. One well is P&A. Well tabulation and P&A Schematics are attached.

PART VII

1) Anticipated injection rates could be as high as 3000 barrels of water per day for each well. Average rates are anticipated to be half of these maximums.

2) This will be a closed system.

3) The expected average injection pressure is 800 psi and the maximum injection pressure will be determined by a confirmed and approved Step Rate Test prior to the acid job.

4) The water to be injected is produced water from the Catclaw Draw and Indian Basin Lease wells, which will produce from the Pennsylvanian and Morrow formations.

5) Injection is for disposal, and is in the Cherry Canyon (2135'-2620') & Brushy Canyon (2832' – 3247') zones which are not productive of oil or gas.

PART VIII — The proposed disposal zone is the Cherry Canyon (2135'-2620') & Brushy Canyon (2832' – 3247'). Lithology is a fine grain quartz sandstone and siltsone interbedded w/ very fine grain gray shales.
The Rustler is the only aquifer overlying the proposed disposal zone. Base of the Rustler is @ 400'.

PART IX — The stimulation program will be to acidize perfs w/ 9,000 gal 15% HCL @ 15 bpm, max psi = 5000

PART X Well logs and test data will be submitted as soon as the well has been converted.

PART XI There are no fresh water wells within 1 mile.

PART XII Chevron Corporation has examined available geologic and engineering data and finds no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.

PART XIII Copies of the OCD Form C-108, the Well Data Sheet and map have been sent to the offset operator, working interst owners and surface owner as per the listing below.

Hanagan Petroleum Corp
P. O. Box 1737
400 N. Kentucky
Roswell, NM 88202-1737

Joseph William Foran
One Lincoln Center
5400 LBJ Fwy, Suite 1500
Dallas, TX 75240

Lincoln Aston
P. O. Box 3048
La Jolla, CA 92038-0689

Magnum Hunter Production Inc.
600 E. Colinas Blvd, Suite 1100
Irving, TX 75039

Read & Stevens, Inc.
P. O. Box 1518
400 N. Penn, Suite 1000
Roswell, NM 88202-1518

Rogers Aston
P. O. Box 698
Roswell, NM 88202-0698

Sunwest Bank, Roswell
P. O. Box 1858
Roswell, NM 88202

Tom P. Stephens
P. O. Box 698
Roswell, NM 88202-0698

VALKO, LLC
P. O. Box 1090
Roswell, NM 88202

EAKO, LLC
P. O. Box 1090
Roswell, NM 88202

Bean Family LLC
P. O. Box 1738
Roswell, NM 88202

Devon Energy
20 N Broadway, Suite 1500
Oklahoma City, OK 73102

Fasken Acquisitions
1700 Broadway, Suite 1150
Denver, CO 80290

Side 1

INJECTION WELL DATA SHEET

OPERATOR: Chevron Midcontinent, LP

WELL NAME & NUMBER: Catclaw Draw Unit #7

WELL LOCATION: ~~1880~~ 560' ~~FNL~~ FSL ~~560'~~ 1650 FEL J 14 21S 25E

FOOTAGE LOCATION | UNIT LETTER | SECTION | TOWNSHIP | RANGE

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 17 1/2" Casing Size: 13 3/8"

Cemented with: 350 sx. ***or*** _____ ft^3

Top of Cement: Surface Method Determined: _ Circulated __

Intermediate Casing

Hole Size: 12 1/4" & 11" Casing Size: 8 5/8"

Cemented with: 800 sx. ***or*** _____ ft^3

Top of Cement: Surface Method Determined: _ Circulated __

Production Casing

Hole Size: 7 7/8" Casing Size: 5 1/2"

Cemented with: 250 sx. ***or*** _____ ft^3

Top of Cement: 9280' Method Determined: _ CBL log __

Total Depth: 10512'

Injection Interval

2135' feet to 3247' Perforated

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: _____ 2 7/8"_____Lining Material: __Internal Plastic Coating_____

Type of Packer: _____5 ½" Nickel Plated Injection Packer _____

Packer Setting Depth: _____~2120'_____

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

Additional Data

1. Is this a new well drilled for injection? _____No_____

   If no, for what purpose was the well originally drilled? _____Oil & Gas production_____

   _____

2. Name of the Injection Formation: _____Cherry Canyon & Brushy Canyon; Delaware Mountain Group

3. Name of Field or Pool (if applicable): ___Catclaw Draw_____

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. _____Yes_____

   Morrow (10094'-10110' sqzd) (10170'-10434')
   CIBP @ 10308'

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

Cherry Canyon	(2135' – 2620')
Brushy Canyon	(2832' – 2943')
Bone Springs	(3513' – 7570')
Wolfcamp	(7570' – 9033')
Atoka	(9033' – 9553')
Morrow	(9925' – 10434')

Catclaw Draw Unit #7 Current Wellbore Diagram

Created:	09/04/07	By: C. A. Irle	Well #:	7	Fd./St. #:
Updated:		By:	API	30-015-20754	
Lease:	Catclaw Draw Unit		Surface	Tshp/Rng:	S-21 & E-25
Field:	Catclaw Draw		Unit Ltr.:	J	Section: 14
Surf. Loc.:	1,880' FSL & 1,650' FEL		Bottom hole	Tshp/Rng:	
Bot. Loc.:			Unit Ltr.:		Section:
County:	Eddy	St.: NM	Cost Code:	BCT500800	
Status:	Active Gas Well		Chevno:	FH0514	

Surface Casing

Size:	13 3/8
Wt., Grd.:	54 & 61#
Depth:	315
Sxs Cmt:	350 + 16yd
Circulate:	Yes
TOC:	Surface
Hole Size:	17 1/2

Intermediate Casing

Size:	8 5/8
Wt., Grd.:	24#
Depth:	1,855
Sxs Cmt:	800
Circulate:	Yes, 200
TOC:	Surface
Hole Size:	11 & 12 1/4

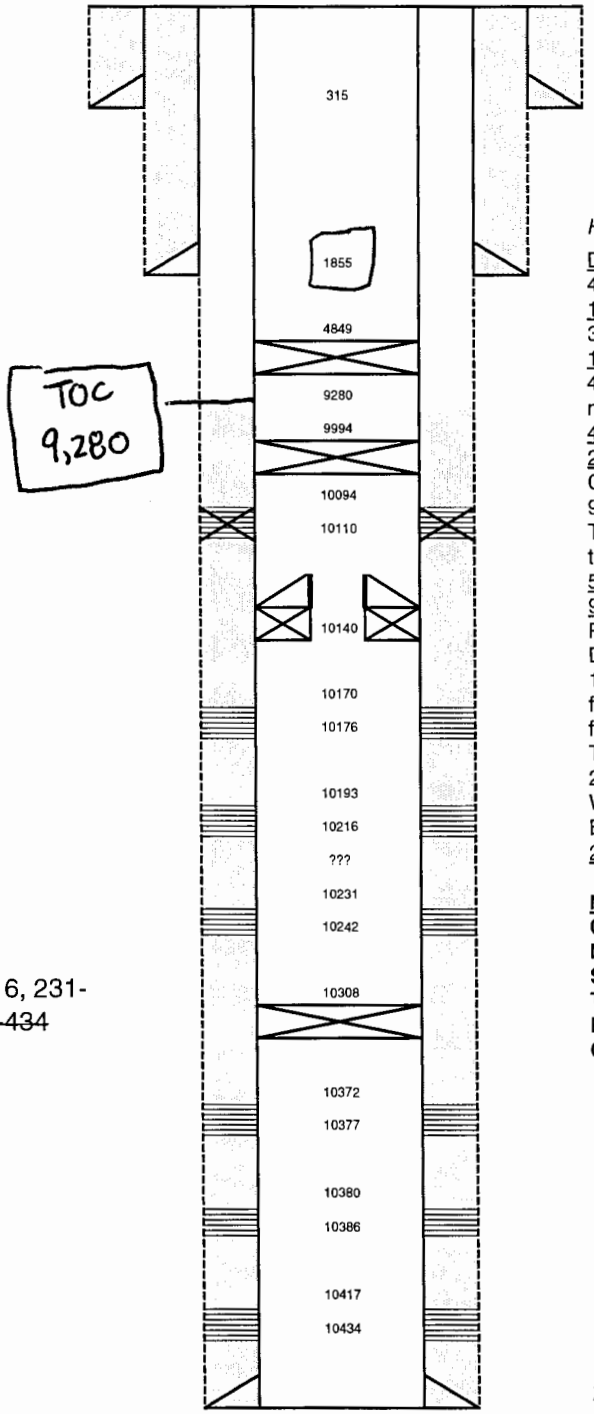
Production Casing

Size:	5 1/2
Wt., Grd.:	17#*
Depth:	10,512
Sxs Cmt:	250
Circulate:	No
TOC:	9,280
Hole Size:	7 7/8

*N-80 & K-55

Perforations

~~10094-110~~, 170-176, 193-216, 231-242, ~~372-377, 380-386, 417-434~~



PBTD: 10,308?
TD: 10,512

KB:
DF:
GL: 3,303
Ini. Spud: 10/08/72
Ini. Comp.: 11/14/72

History

DST's: 8460-85, 10090-135, 192-300, 368-432.
11/14/72 Ini Comp: Perf 2 spf 10372-377, 380-386, 417-434, pkr 9999.
11/74 Recomp: Reperf 10372-377, 380-386, 417-434, pkr 9998, acid 3000 gls 7.5% MS 1 mcf/bbl N2.
4/9/76 Run 2 3/8
2/25/94 Recomp: Pkr stk 8713, mill, ret fish, CIBP 10338, snd 15', CBL TOC 9280, pkr 9961, TC perf 4 spf 10094-110, rel guns, tag TOF 10225, frac ~400 bbl 457 mcf N2 77 tons CO2 30k# 20/40.
5/21/96 Inst WH Comp
9/16/03 Recomp: Rel pkr, ret TCP guns, RBP 10157, CR 9959, sqz 7.5 bbl, tag 9947, DO cmt, test 2500#, good, tag 10136, CO 10159, rel RBP, tag 10166, CO 10274, OS fish, not ret, tag 6130, mill fish, jar fish, ret fish, tag 10294, CO 10308, DO CIBP?, OS TCP guns, not latch, perf 10170-176, 193-216, 231-242, pkr 10140, frac 286 bbl, flow, WL 1.87 BP, rel O/O, run 2 3/8, swab, ret BP.
2/9/04 Inst Cap String

NOTES
Cap String Not Injecting
Not Unloading Fluid
SITP 385 PSI
Timer Shuts In/Opens
Recommend to tag TD, get Flowing Gradient, Swab, Install Plunger Lift.

Tubing Detail
2 3/8" 4.7# L-80
On/Off Tool
Packer @ 10,140'
w/1.875" R Profile

12/21/2012
Catclaw Draw #7
Convert to SWD

Caliper elevators and tubular EACH DAY prior to handling tubing/tools. Note in JSA when and what items are callipered within the task step that includes that work.

MIRU pulling unit. Bleed pressure from surface, intermediate, and production casing. Two RBP's already in place @ 4,849' and 9,994'. ND WH. NU 5K hydraulic BOP Pipe rams on top of blind rams. PU one stand of 2-7/8" 6.5# L-80 tbg + 5-1/2" pkr. GIH set pkr @ ~55' and test BOP to 250/500 psi against packer

PU/TIH w/ RBP retrieving tool on 2-7/8" 6.5# L-80 ws. Latch RBP @ 4,849'. POOH w/ tbg & LD RBP

TIH w/ RBP retrieving tool. Spot 150 bbls of 9.5 ppg abandonment mud from 9,990' up to 3,000'. Latch 2nd RBP @ 9,994'. POOH w/ tbg & LD RBP + retrieving tool.

RU Gray wireline. Test lubricator on catwalk to 1000 psi. NU Lubricator. PU guage ring for 5-1/2" 17# csg. RIH to 9,900'. POOH

PU/RIH w/ 5-1/2" CIBP and set @ 9,900'. Dump bail 35' of class 'H' cmt on top of CIBP. POOH

PU/RIH w/ 5-1/2" CIBP and set @ 9,500'. Dump bail 35' of class 'H' cmt on top of CIBP. POOH

PU/RIH w/ perforating gun. Perforate csg @ (7,550') w/ 3-1/8" standard charge gun @ 4 spf and 90 degree phasing. POOH/LD gun (check to make sure all shots fired)

ND Lubricator. RD Gray wireline

PU/TIH w/ 5-1/2" pkr and set @ 7,300'

MIRU service company to pump cement. Sqz 26 sx. of class 'H' cmt on 5-1/2" csg. Displace cement to 7450'. Leave 100' in wellbore and 100' outside of 5.5". Release pkr and reverse tbg clean. RDMO cmtrs. POOH w/ pkr. (Class H Yield is 1.18 ft^3/sx.)

RU Gray wireline. Test lubricator on catwalk to 1000 psi. NU Lubricator.

PU/RIH w/ perforating gun. Perforate csg @ (3,500') w/ 3-1/8" standard charge gun @ 4 spf and 90 degree phasing. POOH/LD gun (check to make sure all shots fired)

ND Lubricator. RD Gray wireline

PU/TIH w/ 5-1/2" CMTR and set @ 3,400'

MIRU service company to pump cement. Circ 600 sx. class 'H' cmt (Includes 10% excess) on 5-1/2" csg to surface. Displace to within 1 Bbl of cement rtnr, sting out of cement retr and rvrs tbg clean with 2 tbg volumes of FW. RDMO cmtrs. WOC overnight. POOH w/ tbg and stinger.

RU Gray wireline. Test lubricator on catwalk to 1000 psi. NU Lubricator.

PU/RIH w/ perforating guns. Perforate csg @ (2,135-47') (2,152-63') (2,610-20') (2,832-40') (2,910-15) (2,925-43') (3,030-35') (3,180-90') (3,235-40') (3,243-47') w/ 3-1/8" standard charge guns @ 2 spf and 90 degree phasing, 176 total holes. POOH/LD guns (check to make sure all shots fired). ND Lubricator. RD Gray wireline **(Tie-in to GR Log dated 2/28/94 by Hallwood Petroleum INC.)**

PU/TIH 5-1/2" pkr (w/ pump out plug installed) + on/off tool on new 2-7/8" TK-15 J-55 tbg (hyrdotest in the hole to 5,000 psi) and set pkr @ 2,120'

Unlatch from pkr. Circ pkr fluid. Latch back onto pkr

Test annulus to 500 psi. Pre MIT test

If test is good, ND BOP. NU WH. Pressure tbg to pump out plug. Contact OCD (Richard Inge) for official MIT Test. Pressure test and chart backside to 500 psi for 30 minutes. Send chart to the Regulatory group in Midland office. RDMO

MIRU Cardinal Surveys E-line & flow control trailer. RU pump truck. NU lubricator. Test lubricator to 4500 psi

PU/RIH w/ BHP tool to mid perf @ 2,691'

Conduct step rate test. Starting rate @ 100 bpd, then increasing as follows, 200, 300, 500, 1000, 1500, 2000, 2500, 3000, etc. Maintain each rate for 10 minutes or until the pressure stabilizes. Record the stabilized pressure at each rate. Make sure several data points above and below frac pressure. **(Estimated total fluid for job assuming 10 min stages = 80 bbls)**

POOH w/ BHP tool. ND lubricator. RDMO Cardinal

MIRU Petroplex. Set pop-off to 500 psi. Acidize perfs w/ 9,000 gal 15% NEFE HCL @ 15 bpm **(5,000 max psi)**. Flush to bottom perf w/ brine water. RDMO Petroplex

Turn well over to operations for SWD hook up

Catclaw Draw Unit #7 Wellbore Diagram

Created:	09/04/07	By: C. A. Irle	Well #:	7	Fd./St. #:
Updated:		By:	API	30-015-20754	
Lease:	Catclaw Draw Unit		Surface	Tshp/Rng:	S-21 & E-25
Field:	Catclaw Draw		Unit Ltr.:	J	Section: 14
Surf. Loc.:	1,880' FSL & 1,650' FEL		Bottom hole	Tshp/Rng:	
Bot. Loc.:			Unit Ltr.:		Section:
County:	Eddy	St.: NM	Cost Code:	BCT500800	
Status:	Active Gas Well		Chevno:	FH0514	

Surface Casing

Size:	13 3/8
Wt., Grd.:	54 & 61#
Depth:	315
Sxs Cmt:	350 + 16yd
Circulate:	Yes
TOC:	Surface
Hole Size:	17 1/2

Intermediate Casing

Size:	8 5/8
Wt., Grd.:	24#
Depth:	1,855
Sxs Cmt:	800
Circulate:	Yes, 200
TOC:	Surface
Hole Size:	11 & 12 1/4

Production Casing

Size:	5 1/2
Wt., Grd.:	17#*
Depth:	10,512
Sxs Cmt:	250
Circulate:	No
TOC:	9,280
Hole Size:	7 7/8

*N-80 & K-55

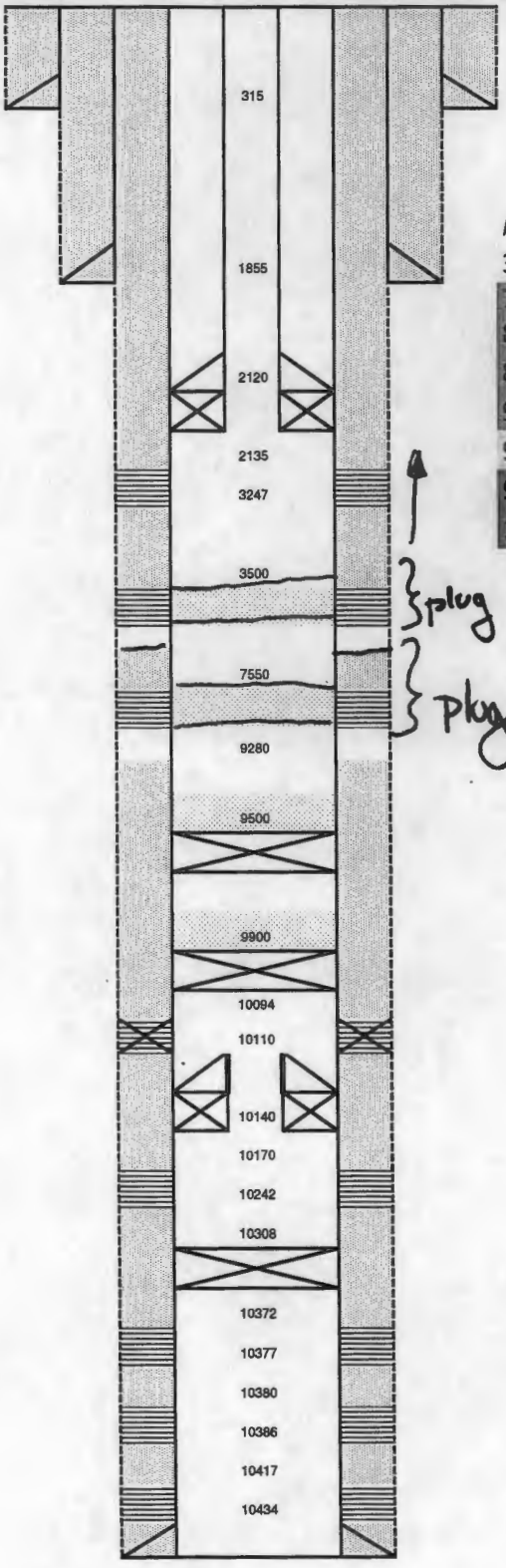
Perforations

~~10094-110~~, 170-176, 193-216, 231-242, ~~372-377, 380-386, 417-434~~

proposed

Cherry Canyon
2135-47
2152-63
2610-20

Brushy Canyon
2832-40
2910-15
2925-43
3030-35
3180-90
3235-40
3243-47



KB:
DF:
GL: 3,303
Ini. Spud: 10/08/72
Ini. Comp.: 11/14/72

Formation Tops

3513 Bone Springs
7570 Wolfcamp
8310 Penn
8442 Cisco
9033 Strawn
9553 Atoka
9925 Morrow LS
10112 Morrow SS

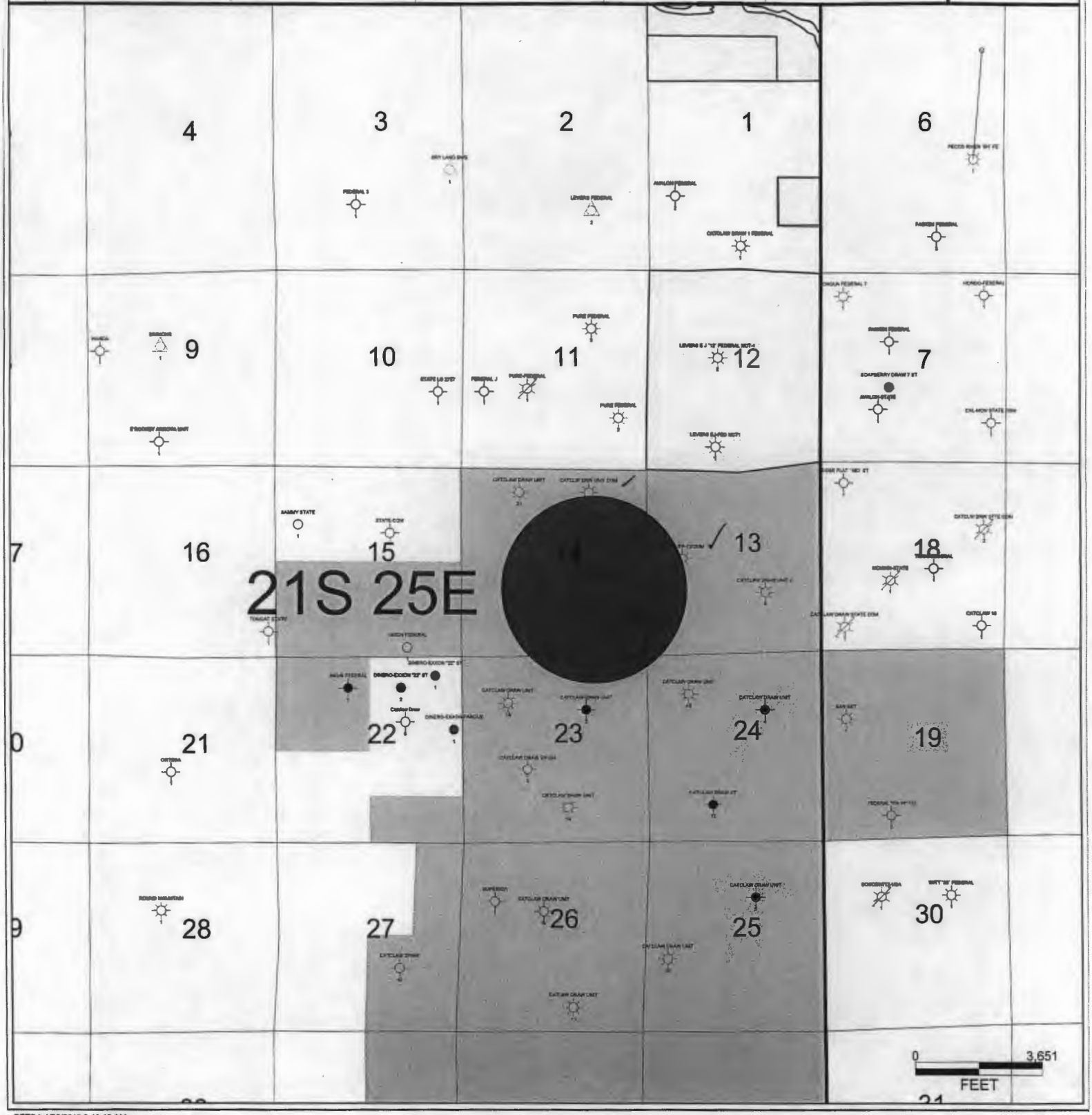
plug & circ. cmt to surf OK

plug @ 100' OK

Tubing Detail

PBTD: 10,308?
TD: 10,512

CATCLAW DRAW UNIT



PETRA 1/30/2013 9:40:19 AM

Catclaw Draw #7 SWD Review Area Well list

API	PROPERTYNAME	WELL #	WELL TYPE	WELL STAT	Casing Type	Hole Size	Casing Size	Set At	SX Cement	Cement Top	Meth Detmnd	POOLNAME	OGRIDNAME	COUNTY	TOWNSHIP	RANGE	SECTION	UNIT	LAT	LONG	FTGNS	SCODE	FTGEW	EWCODE	DEPTH TGT	SPUD DATE	COMP DATE	PLUG DATE
Well to be converted to SWD																											
3001520754	CATCLAW DRAW UNIT	7	G	A	SURF	17 1/2"	13 3/8"	315'	350	Surf	Circ	CATCLAW DRAW;MORROW (PRORATED GAS)	CHEVRON	Eddy	21.0S	25E	14	J	32.4772273	-104.36258	1880	S	1650	E	10512	10/8/1972	11/14/1972	
					INTERMED	12 1/2" & 11"	8 5/8"	1855'	800	Surf	Circ																	
					PROD	7 7/8"	5 1/2"	10512'	250	9280'	CBL																	
Active Well within the Area of Review																											
3001523922	CATCLAW DRAW UNIT COM	17	G	A	SURF		13 3/8"	371'	553	Surf	Circ	CATCLAW DRAW;MORROW (PRORATED GAS)	CHEVRON	Eddy	21.0S	25E	14	B	32.4848292	-104.36259	660	N	1650	E	10483	1/30/1982	4/16/1982	
					INTERMED		9 5/8"	2210'	1125	Surf	Circ																	
					PROD		5 1/2"	10483'	750	8000'	Calc																	
P&A WELLS																											
3001523753	CATCLAW DRAW UNIT COM	16	G	P&A	C103 and WBD included as attachment ✓							CATCLAW DRAW;MORROW (PRORATED GAS)	CHEVRON	Eddy	21.0S	25E	13	E	32.4802812	-104.35398	2310	N	990	W	10550	4/24/1981	10/24/1981	9/19/2007

at 0.52 miles from #7

OK

Right 1/2 mile up Douglas Fir Road

1 P&A

UL E, Sec 13 | T21S | R25E

DEVON ENERGY PRODUCTION COMPANY LP

Well Name: CATCLAW DRAW 16	Field: CATCLAW DRAW		
Location: 2310' FNL & 990' FWL; SEC 13-T21S-R25E	County: EDDY	State: NM	
Elevation: 3301' GL; 3321' KB	Spud Date: 4/24/81	Compl Date: 10/24/81	
API#: 30-015-23753 / Prepared by: Ronnie Slack	Date: 9/24/07	Rev:	

ACTUAL PLUG & ABANDONMENT
PLUGGED & ABANDONED 9/19/07

17-1/2" hole
13-3/8", 54.5#, K55, @ 349'
Cmt'd w/553 Sx to surface

12-1/4" hole
8-5/8", 32#, K55, @ 2,203
Cmt'd w/1500 Sx to surface

Casing leak from 3137' to 3142' sqzd with 300 Sx cement Calc TOC @ 857' Tested to 700 psi, 30 min Ok (8/23/96)

TOC @ 7,400' *(CBL)*

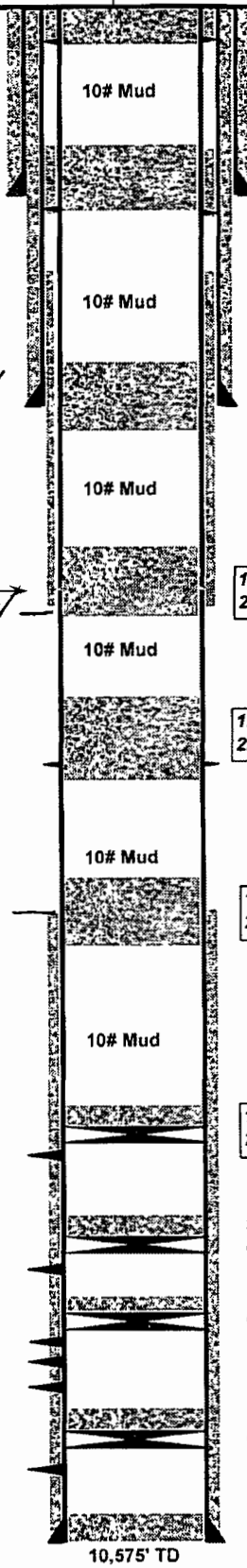
CISCO *(6/30/07)*
8,544' - 8,553'
7/4/07 Acidized Cisco w/1500 gals 15% HCl

MORROW A *(8/24/91)*
10,142' - 10,156' *(reperfed 9/19/96)*

MORROW B
10,234' - 10,240'
10,271' - 10,277'
10,291' - 10,299'

MORROW C
10,469' - 10,481' *(wet)*

7-7/8" Hole
5-1/2", 17#, N80, @ 10,577'
Cmt'd w/1100 Sx. TOC @ 7400'



Proposed:
1. Perf Sqz holes at 60'
2. Pumped 20 Sx & circulated to surface
3. Cut wellhead off & set dry hole marker

1. Perf Sqz holes at 400'
2. Pumped 40 Sx plug inside & out on 5-1/2" casing
3. Tagged TOC at 195'

1. Spot 25 Sx plug at 2,253'
2. Tagged TOC at 1963'

1. Spot 25 Sx plug at 3160'.
2. Tagged TOC at 2955'

1. Perfed 5-1/2" casing at 4400'.
2. Spot 40 Sx plug at 4,450'. Tagged TOC at 4340'

1. Spot 25 Sx plug at 7,450'.
2. Tagged TOC at 7,350'.

1. Set CIBP at 8,520'
2. Dump 35' cement on top. PBD at 8,485'

35' Cement. 10,085' PBD *(6/30/07)*
CIBP @ 10,120' *(6/30/07)*

10' Cement. 10,210 PBD
CIBP @ 10,220' *(8/22/91)*

37' Cement. 10,413' PBD
CIBP @ 10,450'

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S St Francis Dr , Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised June 10, 2003

WELL API NO.
30-015-23753

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

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)

7. Lease Name or Unit Agreement Name
Catclaw Draw

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

8. Well Number
16

SEP 26 2007
OCD-ARTESIA

2. Name of Operator
Devon Energy Production Company, LP

9. OGRID Number
6137

3. Address of Operator
20 North Broadway, Suite 1500, Oklahoma City, Oklahoma 73102

10. Pool name or Wildcat
Upper Penn; Cisco

4. Well Location

Unit Letter E : 2310' feet from the North line and 990' feet from the West line

Section 13 Township 21S Range 25E Eddy County

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
3301 GL; 3321 KB

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	PLUG AND ABANDONMENT	☒
PULL OR ALTER CASING	☐	MULTIPLE COMPLETION	☐	CASING TEST AND CEMENT JOB	☐		
OTHER:			☐	OTHER:			☐

13. 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 recompletion.

1. MIRU P&A rig on 8/13/07. TOH w/tubing & packer. Set CIBP at 8,520'. Dump 35' cement on top. (Cisco open perfs at 8,544' – 8,553').
2. Circulate wellbore with 10 ppg salt gelled mud.
3. Spot 25 Sx plug at 7,450'. Tagged TOC at 7350'.
4. Perf 5-1/2" casing at 4,400'. Set packer at 4122'. Est. PIR/ communication w/5-1/2" casing. Spot 40 Sx plug at 4,450' per Phil Hawkins. Tagged TOC at 4,340'.
5. Spot 25 Sx plug at 3,160'. Tagged TOC at 2,955'.
6. Spot 25 Sx plug at 2,253'. Tagged TOC at 1,963'. (8-5/8" casing shoe at 2,203')
7. Perf sqz holes at 400'. Pumped 40 Sx plug inside/out on 5-1/2" casing. Tagged TOC at 195'. (13-3/8" casing shoe at 349')
8. Perf sqz holes at 60'. Circulated 20 Sx plug inside/out to surface.
9. Cut wellhead off and set dry hole marker. Plugged & Abandoned 9/19/07.

Plugging of the well bore. Liability under bond is retained until surface restoration, environmental remediation and final inspection is completed.

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

SIGNATURE Ronnie Slack TITLE: Engineering Technician DATE 9/24/07

Type or print name Ronnie Slack E-mail address: Ronnie.Slack@dvn.com Telephone No. 405-552-4615

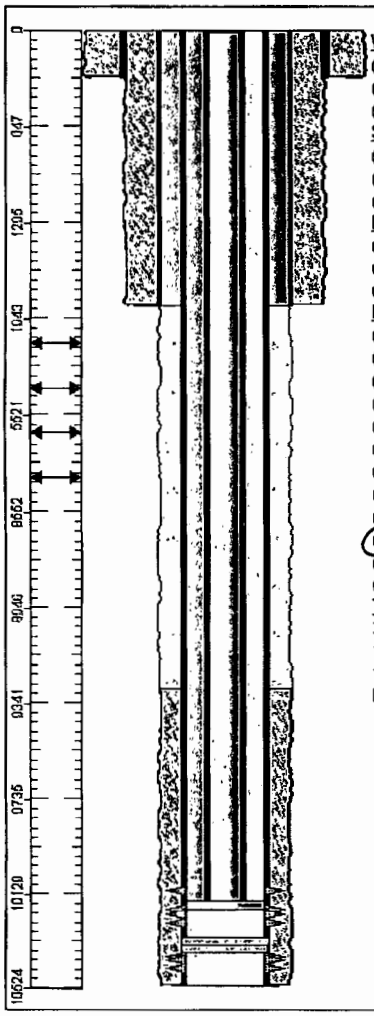
(This space for State use)

APPPROVED BY [signature] TITLE Compliance Officer DATE 10/1/07.

Conditions of approval, if any:


285
7 Rivers Hwy
E J LEVERS FEDERAL
CATCLAW DRAW UNIT
Catclaw Draw
© 2012 Google
Google
1997
32°29'46.27" N 104°23'22.48" W elev 3328 ft
Eye alt 20021 ft

Chevron U.S.A. Inc. Wellbore Diagram : CATDU 07



Wellbore Notes (Top-Bottom Depth) Desc
@(0-0) Wellbore Comment
@(9280-9280) Wellbore Comment
@(10512-10512) Wellbore Comment
Surface Casing (Top-Bottom Depth) Desc
@(0-315) Wellbore Hole OD-17.5000 - N/A
@(0-315) Unknown 13.375 OD/ 61.00# Round Short 12.515 ID 12.359 Drift
@(0-315) Cement
Intermediate Casing (Top-Bottom Depth) Desc
@(315-1855) Wellbore Hole OD-12.2500
@(0-1855) J-55 8.625 OD/ 24.00# Round Short 8.097 ID 7.972 Drift
@(0-1855) Cement
Production Casing (Top-Bottom Depth) Desc
@(10094-10110) Perforations, Perfs are squeezed off
@(10170-10176) Perforations
@(10193-10216) Perforations
@(10231-10242) Perforations
@(10308-10338) Fill in Wellbore (Sand, etc)
@(10338-10342) Bridge Plug Cast Iron 5.500"
@(10372-10377) Perforations
@(10380-10386) Perforations
@(10417-10434) Perforations
@(1855-10512) Wellbore Hole OD-7.8750
@(9280-10512) Cement
@(0-10512) N-80 5.500 OD/ 17.00# Unknown Thread 4.892 ID 4.767 Drift
Tubing String Quantity (Top-Bottom Depth) Desc
322 @(12-10152) J-55 2.375 OD/ 4.70# T&C External Upset 1.995 ID 1.901 Drift
1 @(10152-10156) Packer Mandrel 5.500" OD Threaded Connection, W/1.875 R Profile

LEGAL NOTICE
April 16, 2013

Notice is hereby given of the application of CHEVRON NORTH AMERICA, 15 Smith Road, Midland, TX 79705, to the Oil Conservation of the State of New Mexico, and the Commissioner of Public Lands, State of New Mexico for approval to convert the Catclaw Draw # 7 to a Salt Water Disposal in the Cherry Canyon formation.

The Catclaw Draw # 7, API # 30-015-20754, is located 1880' FSL & 1650' FEL, Unit Letter J, Sec. 14, T21S, R25E, Eddy County, New Mexico.

The injection interval is in the Cherry Canyon from 2,135' – 3,247', thru perforations. The maximum injection rate will be 3,000 BWPD, with a maximum allowable surface pressure of ~875 PSI. Interested parties should file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico, 87505 within 15 days.

Inquiries regarding this application should be directed to Chevron North America, Attn: Jonathan Wells, 15 Smith Rd., Midland TX 79705.

Surface Owner: Pardue Limited Company
126 N Canyon Street
Carlsbad, NM 88220-5717

A copy of the Legal Notice as published in the Hobbs News-Sun is attached to this filing. Certified copy will be forwarded as soon as it is received in this office.

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Pardue Limited Company
126 N. Canyon Street
Carlsbad, NM 88220-5717

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by (Printed Name) C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7012 0470 0000 3860 0189

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Devon Energy
20 N. Broadway, Ste 1500
Oklahoma City, OK 73102

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by (Printed Name) C. Date of Delivery
APR 18 2013

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7012 0470 0000 3860 0134

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

VALKO, LLC
P.O. Box 1090
Roswell, NM 88202

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by (Printed Name) C. Date of Delivery
D. Gonzales 4-16-13

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7012 0470 0000 3860 0028

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

State of New Mexico Oil, Gas and Minerals
Division New Mexico State Land Office
Attention: Commissioner of Public Lands
P.O. Box 1148
Santa Fe, NM 87504-1148

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☐ Addressee

B. Received by (Printed Name) | C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

87501

APR 19 2013

3. Service Type
☐ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7012 0470 0000 3860 0127

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-154

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Hobbs News-Sun
201 N. Thorp
Hobbs, NM 88240

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Yesenia Calderon ☐ Agent ☐ Addressee

B. Received by (Printed Name) Yesenia Calderon | C. Date of Delivery 4/18/13

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7012 0470 0000 3860 0066

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Bean Family LLC
P.O. Box 1738
Roswell, NM 882202

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Michael P. Garcia ☐ Agent ☐ Addressee

B. Received by (Printed Name) Michael P. Garcia | C. Date of Delivery 4/18/13

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

ROSWELL, NM APR 18 2013 USPS 88201

3. Service Type
☐ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7012 0470 0000 3860 0141

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Rogers Aston
P.O. Box 698
Roswell, NM 882202-0698

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by (Printed Name) D Golusky — C. Date of Delivery 4-18-13

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7012 0470 0000 3860 0080

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

EAKO, LLC
P.O. Box 1090
Roswell, NM 88202

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by (Printed Name) D Golusky — C. Date of Delivery 4-18-13

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7012 3460 0000 0874 7511

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-154

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Read & Stevens, Inc.
P.O. Box 1518
400 N. Penn, Ste. 1000
Roswell, NM 88202-1518

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by (Printed Name) G GRIFFITH — C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7012 0470 0000 3860 0110

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Hanagan Petroleum Corp
P.O. Box 1737
400 N. Kentucky
Roswell, NM 88202-1737

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by (Printed Name) Michael G Hanagan C. Date of Delivery APR 19 2013

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7012 0470 0000 3860 0035

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Joseph William Foran
One Lincoln Center
5400 LBJ FWY, Ste. 1500
Dallas, TX 75240

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ~~☐ Agent~~ ☐ Addressee

B. Received by (Printed Name) Lisa Brown C. Date of Delivery 4-18-13

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ~~☐ No~~

3. Service Type
☐ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7012 0470 0000 3860 0172

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-154

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

State of New Mexico, Energy & Minerals Dept
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by (Printed Name) C Gray Vigil C. Date of Delivery 04/18/13

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☑ No

APR 18 2013

3. Service Type
☐ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7012 0470 0000 3860 0103

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

Affidavit of Publication

State of New Mexico,
County of Lea.

I, JUDY HANNA
PUBLISHER
of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, do solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period

of 1 issue(s).
Beginning with the issue dated
April 20, 2013
and ending with the issue dated
April 20, 2013

PUBLISHER
Sworn and subscribed to before me
this 22nd day of
April, 2013

Notary Public

My commission expires
January 29, 2015
(Seal)

OFFICIAL SEAL
GUSSIE BLACK
Notary Public
State of New Mexico
My Commission Expires 1-29-15

This newspaper is duly qualified to publish legal notices or advertisments within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said publication has been made.

LEGAL LEGAL

Legal Notice
April 20, 2013

Notice is hereby given of the application
of
CHEVRON NORTH AMERICA,
15 Smith Road, Midland, TX 79705, to the Oil Conservation of the State of New Mexico, and the Commissioner of Public Lands, State of New Mexico for approval to convert the Catclaw Draw# 7 to a Salt Water Disposal in the Cherry Canyon formation. **The Catclaw Draw # 7, APL # 30-015-20754, is located 1880' FSL & 1650' FEL, Unit Letter J, Sec. 14, T21S, R25E, Eddy County, New Mexico.** The injection interval is in the Cherry Canyon from 2,135' - 3,247', thru perforations. The maximum injection rate will be 3,000 BWPD, with a maximum allowable surface pressure of ~675 PSL. Interested parties shoul file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico, 87505 within 15 days.
Inquiries regarding this application should be directed to Chevron North America, Attn: Jonathan Wells, 15 Smith Rd., Midland, TX 79705.
#28094

01102480 00113049
CHEVRON USA INC.
15 SMITH ROAD
MIDLAND, TX 79705

North Permian Basin Region
P.O. Box 740
Sundown, TX 79372-0740
(806) 229-8121
Lab Team Leader - Sheila Hernandez
(432) 495-7240

Water Analysis Report by Baker Petrolite

Company:	CHEVRON MID CONTINENT LP	Sales RDT:	33518
Region:	PERMIAN BASIN	Account Manager:	DEXTER NICHOLS (575) 390-4356
Area:	EUNICE, NM	Sample #:	468847
Lease/Platform:	CAT CLAW LEASE	Analysis ID #:	91601
Entity (or well #):	7	Analysis Cost:	$90.00
Formation:	UNKNOWN		
Sample Point:	SWAB RUN		

Summary	
Sampling Date:	05/11/09
Analysis Date:	05/20/09
Analyst:	STACEY SMITH
TDS (mg/l or g/m3):	22202.7
Density (g/cm3, tonne/m3):	1.016
Anion/Cation Ratio:	0.9999999
Carbon Dioxide:	
Oxygen:	
Comments:	

Analysis of Sample 468847 @ 75 °F

Anions	mg/l	meq/l	Cations	mg/l	meq/l
Chloride:	**11554.0**	**325.9**	**Sodium:**	**5432.5**	**236.3**
Bicarbonate:	**506.0**	**8.29**	**Magnesium:**	**202.0**	**16.62**
Carbonate:	**0.0**	**0.**	**Calcium:**	**1914.0**	**95.51**
Sulfate:	**1857.0**	**38.66**	**Strontium:**	**47.0**	**1.07**
Phosphate:			**Barium:**	**0.7**	**0.01**
Borate:			**Iron:**	**532.0**	**19.22**
Silicate:			Potassium:	149.0	3.81
			Aluminum:		
Hydrogen Sulfide:			Chromium:		
pH at time of sampling:			Copper:		
pH at time of analysis:		7.37	Lead:		
pH used in Calculation:		**7.37**	Manganese:	8.500	0.31
			Nickel:		

Conditions		Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl										
Temp	Gauge Press.	Calcite $CaCO_3$		Gypsum $CaSO_4{*}2H_2O$		Anhydrite $CaSO_4$		Celestite $SrSO_4$		Barite $BaSO_4$		CO_2 Press
°F	psi	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	psi
80	0	1.16	62.40	-0.01	0.00	-0.08	0.00	0.13	8.57	1.43	0.34	0.21
100	0	1.23	68.91	-0.03	0.00	-0.03	0.00	0.13	8.91	1.27	0.34	0.29
120	0	1.30	76.11	-0.04	0.00	0.04	69.94	0.15	9.60	1.14	0.34	0.4
140	0	1.37	82.97	-0.04	0.00	0.14	209.48	0.17	10.97	1.03	0.34	0.54

Note 1: When assessing the severity of the scale problem, both the saturation index (SI) and amount of scale must be considered.

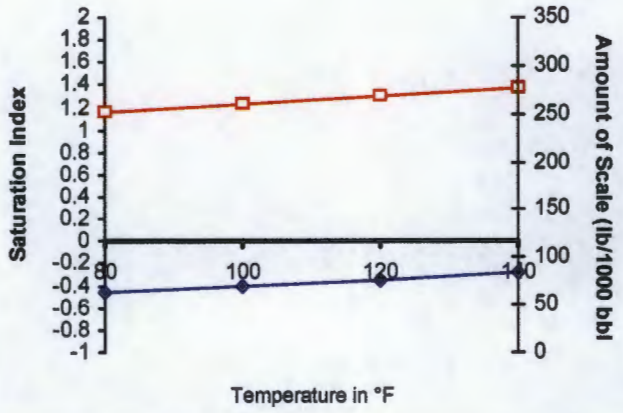
Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the five scales.

Note 3: The reported CO2 pressure is actually the calculated CO2 fugacity. It is usually nearly the same as the CO2 partial pressure.

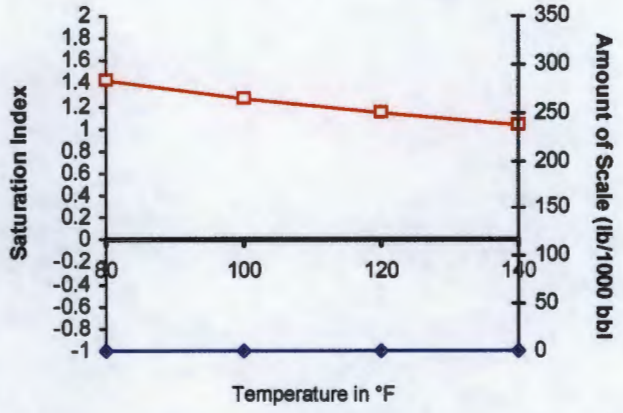
Scale Predictions from Baker Petrolite

Analysis of Sample 468847 @ 75 °F for CHEVRON MID CONTINENT LP, 05/20/09

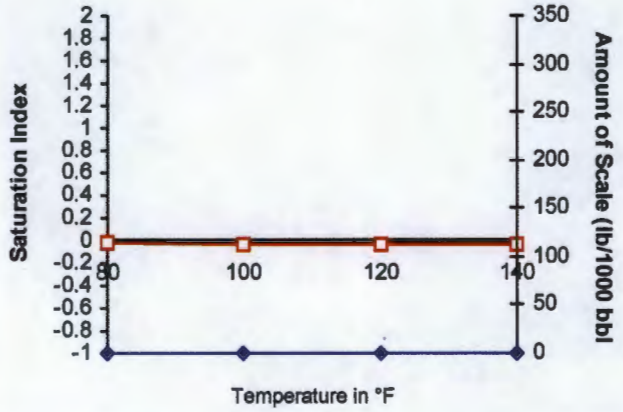
Calcite - CaCO3



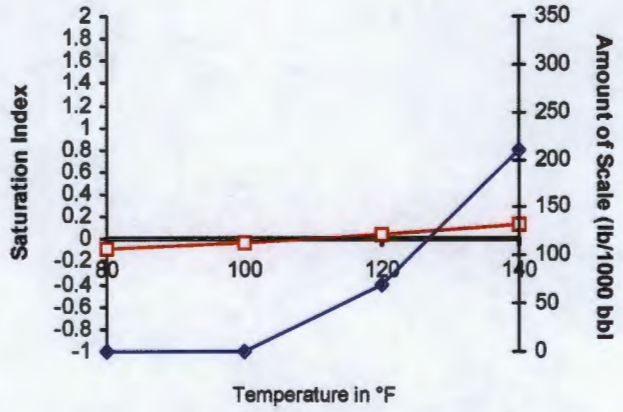
Barite - BaSO4



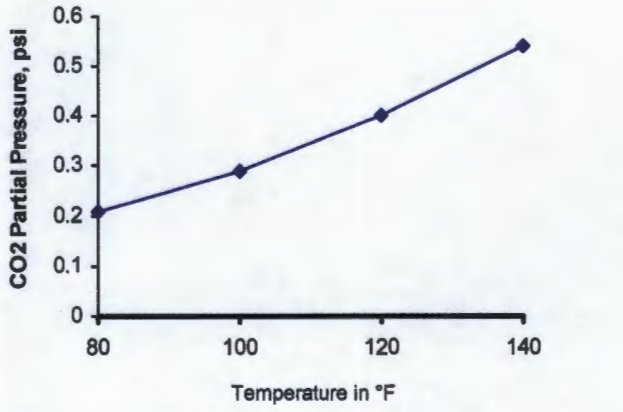
Gypsum - CaSO4*2H20



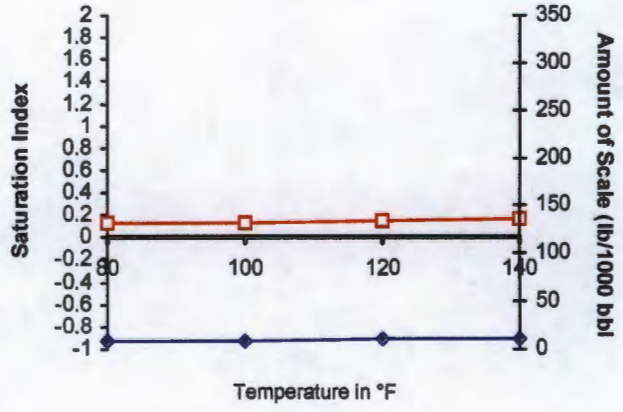
Anhydrite - CaSO4



Carbon Dioxide Partial Pressure



Celestite - SrSO4



Chevron

T. K. Morris
NM Technical Assist.
Permian Basin

Mid-Continent Business Unit
Chevron U.S.A., Inc.
15 Smith Rd.
Midland, Texas 79705
Tel 432-687-7364
tkmo@Chevron.com

April 16, 2013

APPLICATION FOR AUTHORIZATION TO INJECT – OCD FORM C-108
CATCLAW DRAW UNIT #7 SWD
EDDY COUNTY, NEW MEXICO

State of New Mexico
Energy and Minerals Dept
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

Attention: Mr. Phillip Goetz

Chevron U.S.A., Inc.. requests your approval of the subject application to inject water into the Catclaw Draw Unit #7 in Eddy County, New Mexico. The location of the well is:

1880' FSL 1650' FEL – Sec 14 T-21S R-25E UL-J

Chevron plans to dispose of water into the subject well from the Catclaw Draw and Indian Basin lease wells which will be producing from the Pennsylvanian and Morrow formation.

Attached is an OCD Form C-108 with information relative to the water disposal of the referenced well. A copy of the letter sent to this project's surface land owner, the New Mexico Department of Public Lands, and the offset operators, along with certified documentation, is included in the attachments.

Your prompt consideration and approval of this application will be greatly appreciated. If additional information is required, please contact **Jonathan Wells**, Production Engineer, (432) 687-7674.

Sincerely,

Trudy K. Morris
Technical Assistant - New Mexico Team
Attachment

Goetze, Phillip, EMNRD

From: Wells, Jonathan <jonathanwells@chevron.com>
Sent: Wednesday, July 24, 2013 1:21 PM
To: Goetze, Phillip, EMNRD
Subject: FW: SWD Application for Catclaw Draw SWD No. 7
Attachments: CATCLAW DRAW 7.docx

Mr Goetze,

I just called and left you a voicemail in regards to the Catclaw Draw #7 SWD permit. Here is some log data that we would like to discuss with you about. Hopefully it will provide the necessary support for C108 approval. Please call or email to let me know when you want to discuss.

Thanks,

Jonathan

From: Rowland, Malcolm
Sent: Wednesday, July 17, 2013 10:30 AM
To: Wells, Jonathan
Subject: RE: SWD Application for Catclaw Draw SWD No. 7

I think this exhibit shows clearly that we are very well separated from the Capitan. Let me know what you think.

From: Goetze, Phillip, EMNRD [mailto:Phillip.Goetze@state.nm.us]
Sent: Tuesday, June 11, 2013 2:54 PM
To: Fehr, Justin [JFEH] (Justin.Fehr)
Cc: Ezeanyim, Richard, EMNRD; Dade, Randy, EMNRD; Shapard, Craig, EMNRD; Sharp, Karen, EMNRD
Subject: SWD Application for Catclaw Draw SWD No. 7

Mr. Feh:

After considerable review, Chevron's C-108 application for the issuance of a SWD permit for the Catclaw Draw SWD No. 7 (API No. 30-015-20754) cannot be administratively approved. This is based on the information provide in the application for the selected injection interval, the Delaware Mountain Group (including the upper Bell Canyon Fm), and its proximity to the Capitan Reef aquifer. This decision also includes information provided in a study conducted by RESPEC for OCD in 2009 for the identification of "high risk" injection wells in this area of the reef. If you have any questions regarding this decision, please contact me at your convenience. PRG

Phillip R. Goetze, P.G.
Engineering Bureau, Oil Conservation Division
1220 South St. Francis Dr., Santa Fe, NM 87505
O: 505.476.3466 F: 505.476.3462

Goetze, Phillip, EMNRD

From: Morris, Trudy (TKMO) <TKMO@chevron.com>
Sent: Thursday, May 30, 2013 1:31 PM
To: Goetze, Phillip, EMNRD
Cc: Wells, Jonathan
Subject: FW: Application for Catclaw Draw SWD #7
Attachments: CAT CLAW 7 Water Analysis.pdf

Mr. Goetze,

Please find attached a water analysis for the Cat Claw produced water.

Thanks,

Trudy

From: Morris, Trudy (TKMO)
Sent: Wednesday, May 22, 2013 11:22 AM
To: 'Phillip.Goetze@state.nm.us'
Cc: Fehr, Justin [JFEH] (Justin.Fehr); Wells, Jonathan
Subject: RE: Application for Catclaw Draw SWD #7

Mr Goetze,

Please find attached the Affidavit of Publication for the Legal Notice and the receipts which we have received as of today.

The analysis of produced water to be injected is forthcoming.

Trudy

From: Wells, Jonathan
Sent: Monday, May 20, 2013 5:16 PM
To: Morris, Trudy (TKMO)
Cc: Fehr, Justin [JFEH] (Justin.Fehr)
Subject: FW: Application for Catclaw Draw SWD #7

Did our C108 not include these things? I sure thought it had them in there.

Thanks,
Jonathan

From: Goetze, Phillip, EMNRD [mailto:Phillip.Goetze@state.nm.us]
Sent: Monday, May 20, 2013 3:56 PM
To: Fehr, Justin [JFEH] (Justin.Fehr)
Cc: Wells, Jonathan
Subject: Application for Catclaw Draw SWD #7

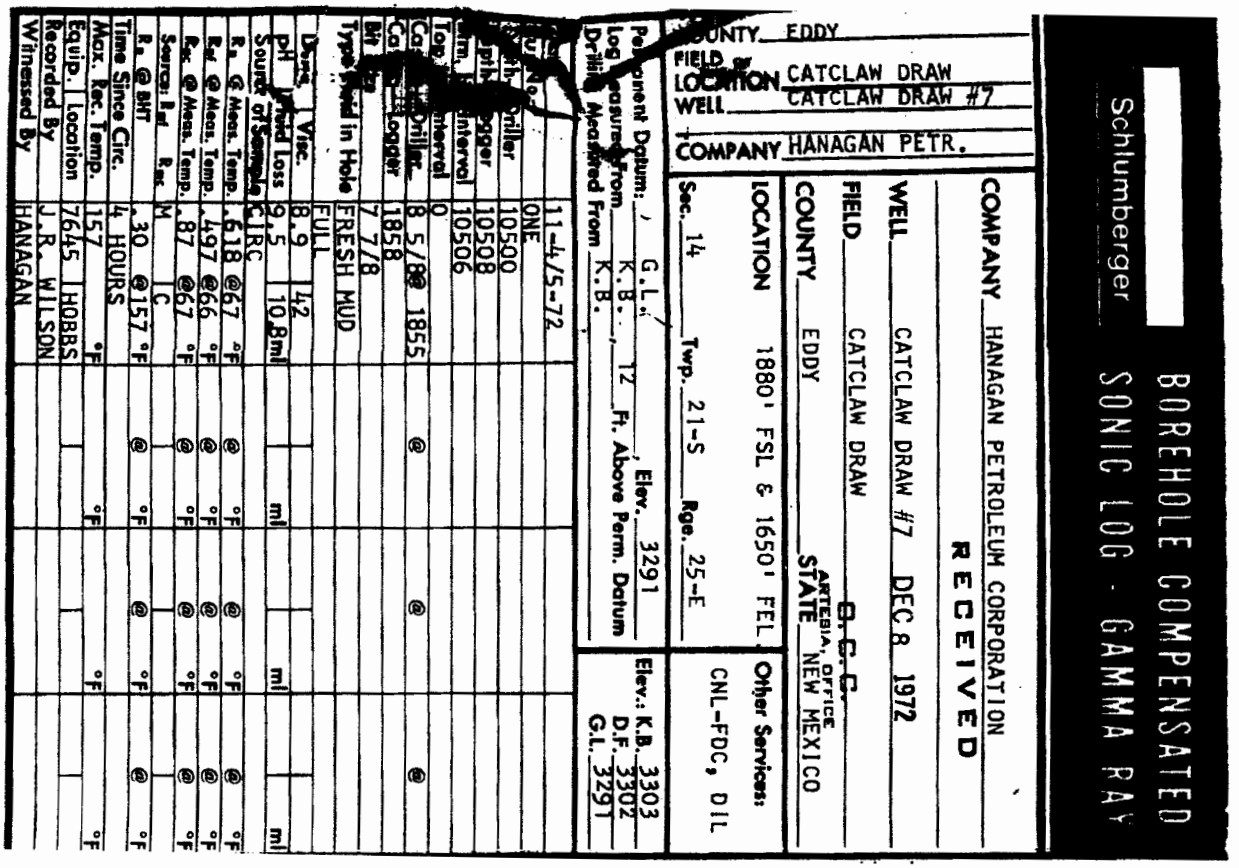
Justin:

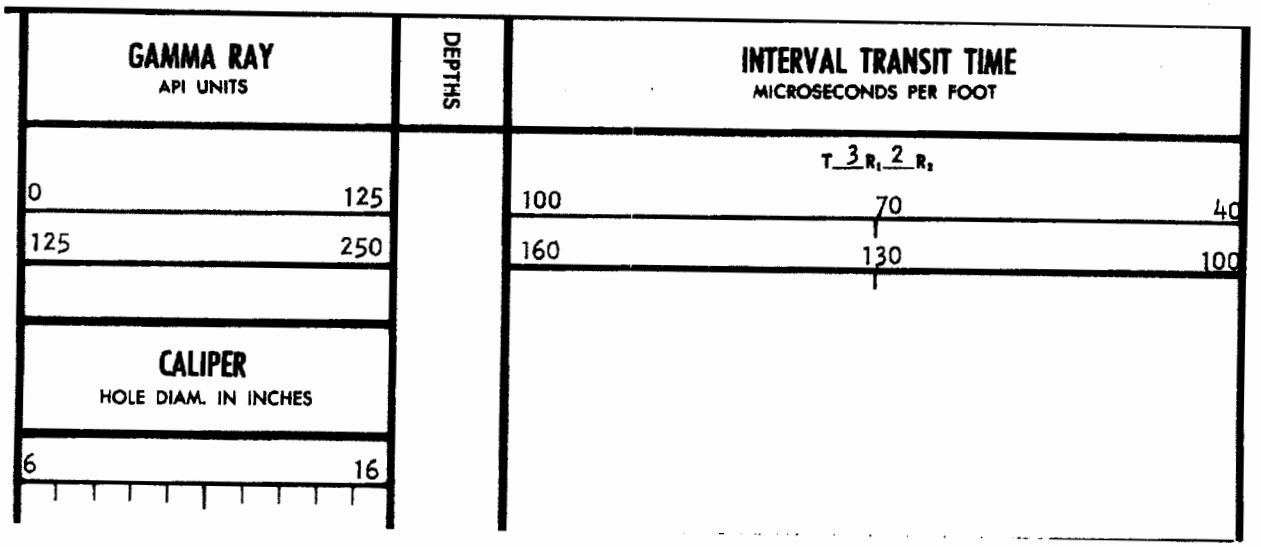
The application for the Catclaw Draw SWD #7 (API 30-015-20754) is missing at least three items for the package to be complete:

1. A copy of the affidavit for the published legal notification in the Hobbs News Sun (April 16th);
2. Copies of the return receipt notifications to the parties identified in Part IX of the application; and
3. Analytical analysis of the production water to be injected.

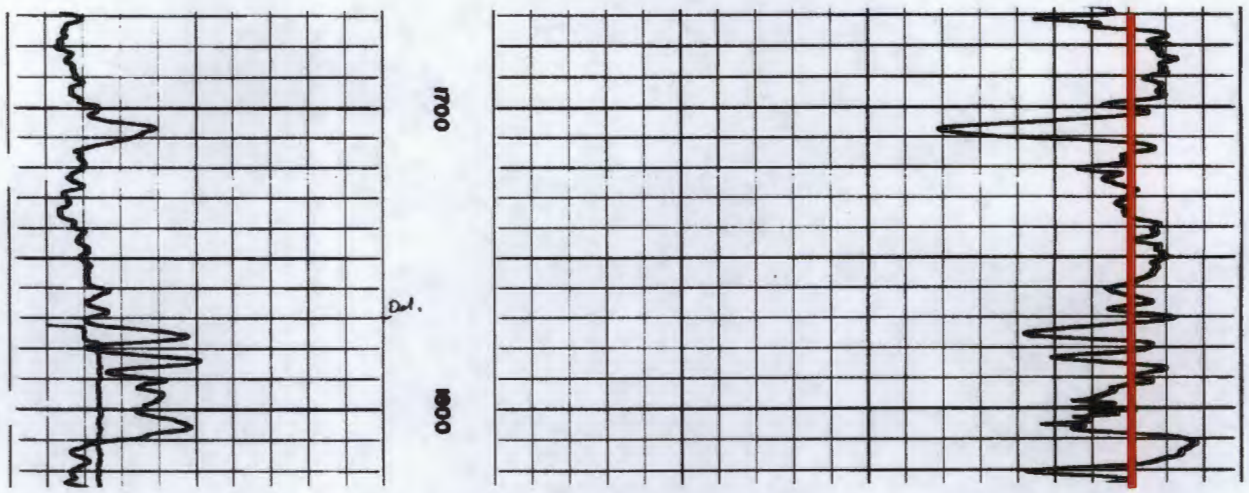
If you have any questions, please contact me at your convenience. PRG

Phillip R. Goetze, P.G.
Engineering Bureau, Oil Conservation Division
1220 South St. Francis Dr., Santa Fe, NM 87505
O: 505.476.3466 F: 505.476.3462

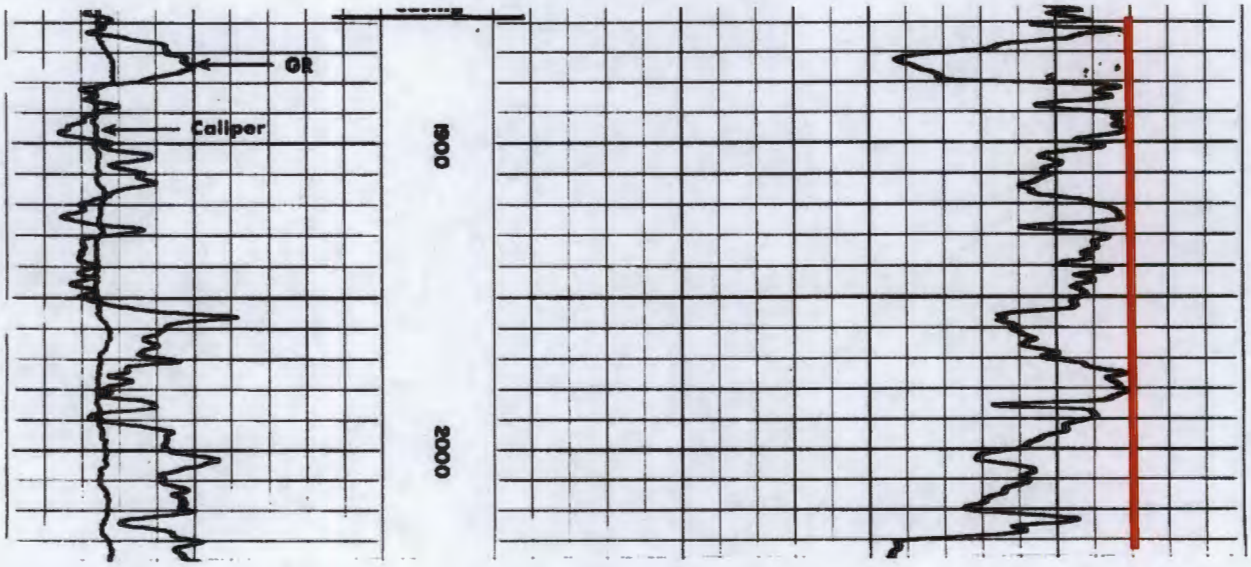




LOG IS IN INTERVAL TRANSIT TIME. 0% POROSITY HAS BEEN MARKED ON ALL SECTIONS. 0% AND 10% POROSITY HAS BEEN MARKED ON ALL SECTIONS THAT HAVE PERFORATIONS

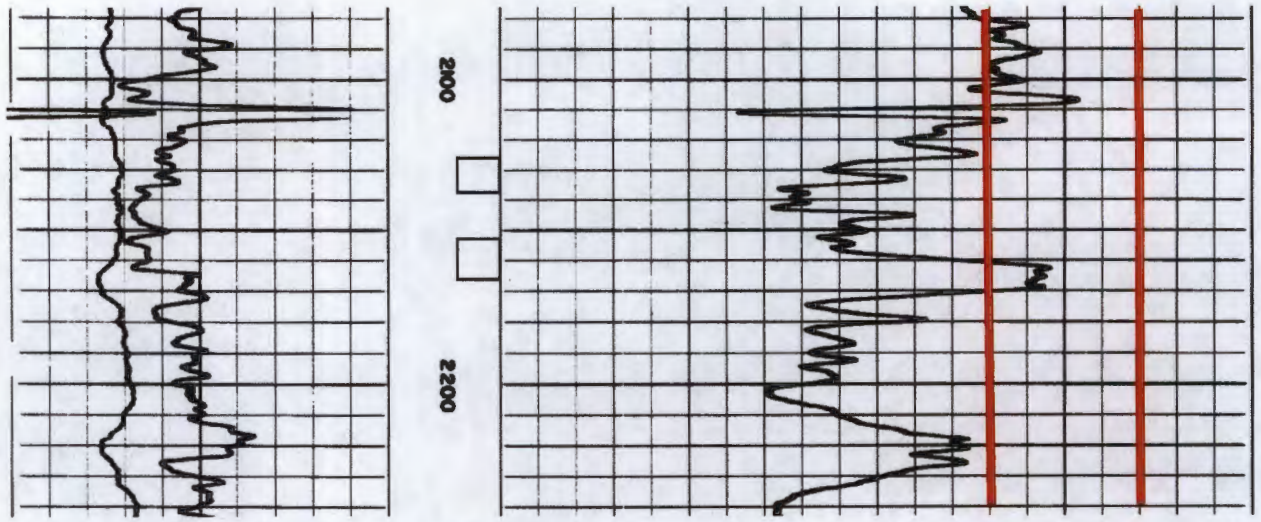


BASE CAPITAN TOP DELAWARE MOUNTAIN GROUP 1710. PIPE SET 1855 AND CEMENTED TO SURFACE



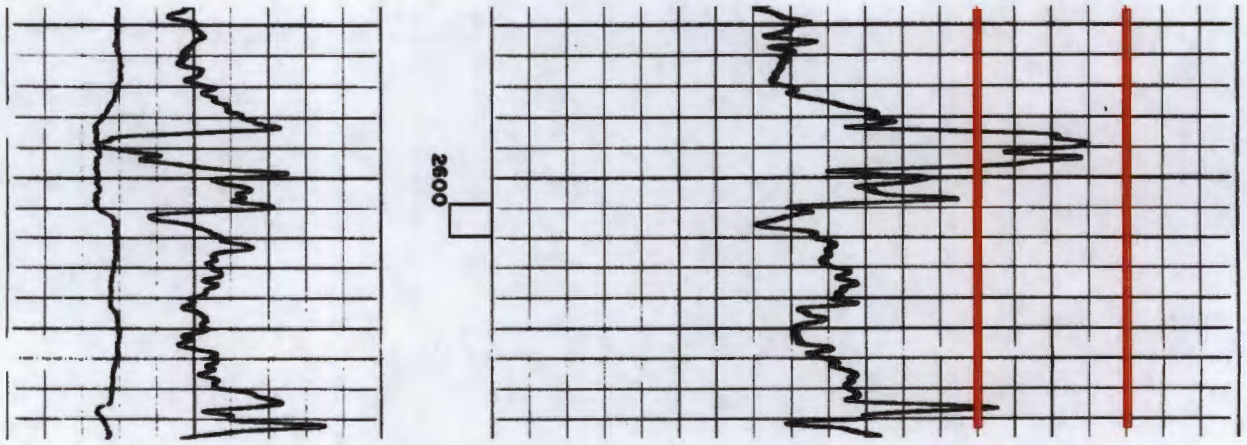
DELAWARE MOUNTAIN GROUP 100' + ABOVE FIRST PERFS

0% POROSITY



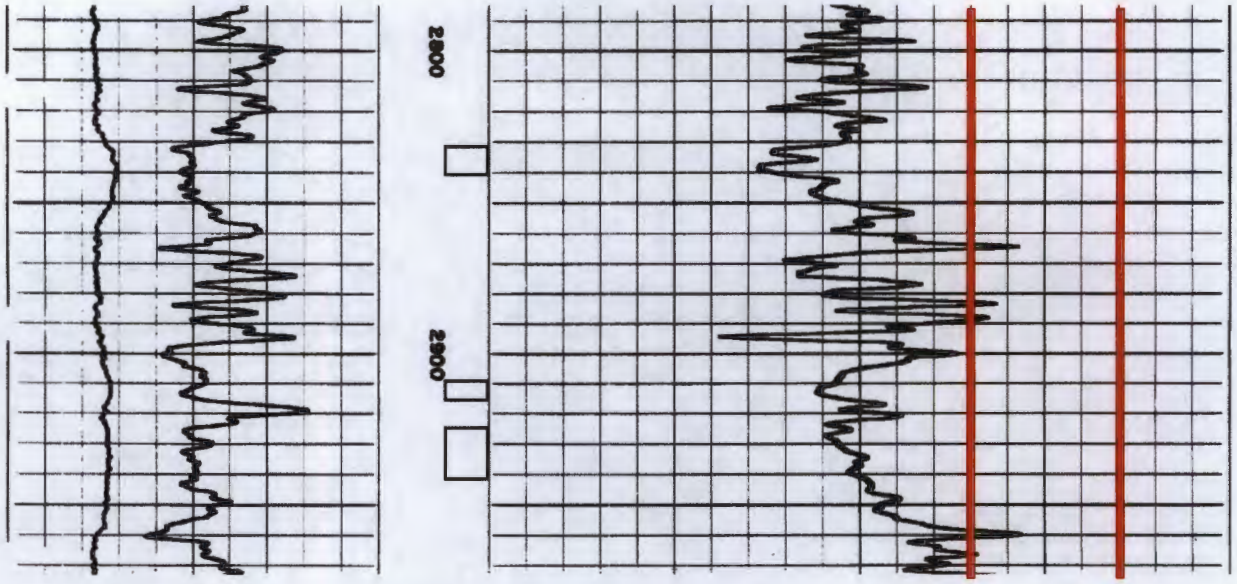
RECOMMENDED PERFORATIONS 2135-47; 2152-63 10% 0%

CHERRY CANYON



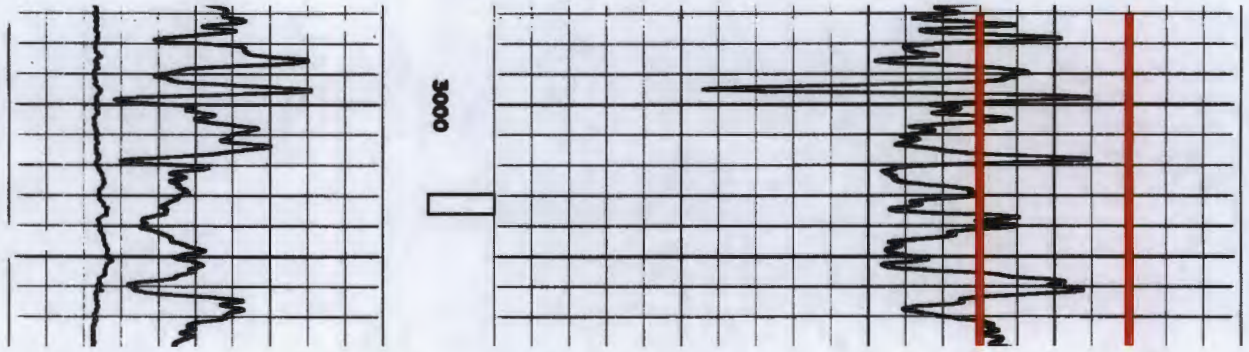
RECOMMENDED PERFORATIONS 2610-20

CHERRY CANYON



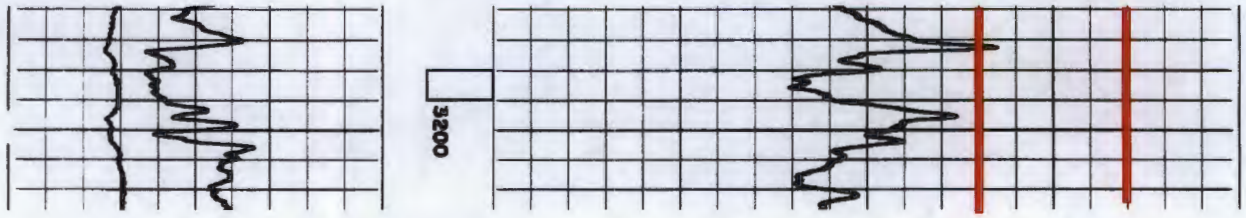
RECOMMENDED PERFORATIONS 2832-40; 2910-15; 2925-43

BRUSHY CANYON



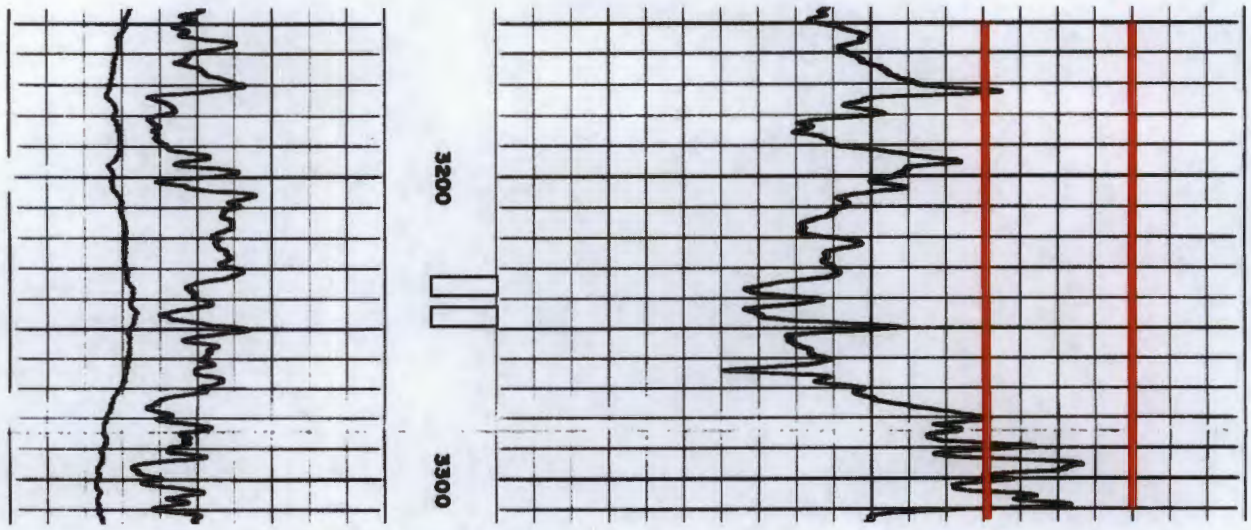
RECOMMENDED PERFORATIONS 3030-35

BRUSHY CANYON



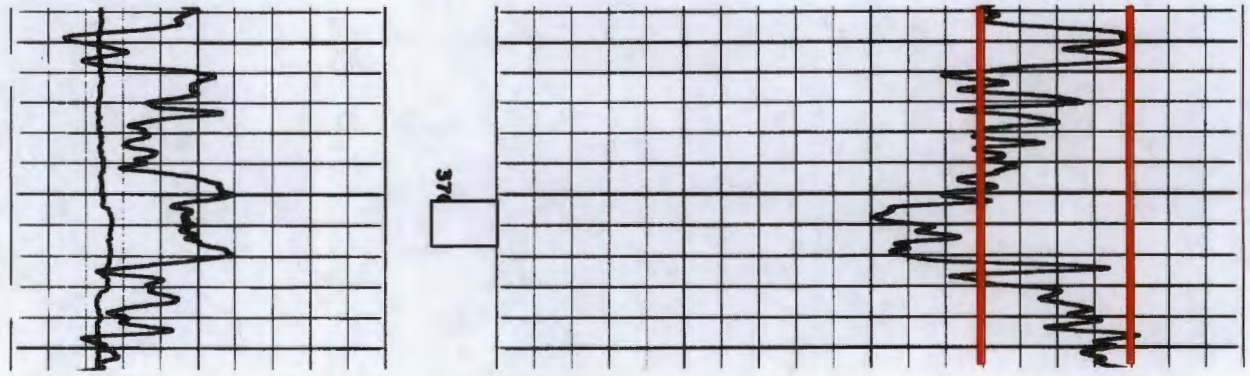
RECOMMENDED PERFORATIONS 3180-90

BRUSHY CANYON



RECOMMENDED PERFORATIONS 3235-40; 3243-47

BRUSHY CANYON



RECOMMENDED PERFORATIONS 3703-15

BRUSHY CANYON

C-108 Review Checklist: Received 04/19/13 Add. Request: 05/20/13 (Water / Not & Logs) Reply Date: 07/17/13 (Logs) Suspended: 09/29/13 (Logs - Calls) [Ver 12]

PERMIT TYPE: WFX / PMX / SWD Number: 1465 Permit Date: 03/04/14 Legacy Permits/Orders: —

Well No. 1 Well Name(s): Catclaw Draw Unit

API : 30-0 15-20754 Spud Date: 10/08/1972 New or Old: New (*UIC Class II Primacy 03/07/1982*)

Footages 1880 FSL / 1650 FEL Lot — or Unit J Sec 14 Tsp 21S Rge 25E County Eddy

General Location: ~2 miles NE of Carlsbad Pool: Morrow / Catclaw Draw [SWD: Cherry-Brushy] Pool No.: —

BLM 100K Map: Carlsbad Operator: Chevron Midcont LP OGRID: 241333 Contact: Jonathan Wells /DE

COMPLIANCE RULE 5.9: Inactive Wells: 1 Total Wells: 730 Fincl Assur: Yes Compl. Order? No **IS 5.9 OK? Date:** OK 03/04/14

WELL FILE REVIEWED ✓ Current Status: Depleted Morrow producer / Approved TA

WELL DIAGRAMS: NEW: Proposed ○ or **RE-ENTER:** Before Conv. ✓ After Conv. ✓ Logs in Imaging: Sonic - covers interval / other two are too deep

Planned Rehab Work to Well: *See attachment "Convert to SWD"; additional cmt for 5½ - two new plugs & CIBP

Well Construction Details:	Sizes (in) Borehole / Pipe	Setting Depths (ft)	Stage Tool	Cement Sx or Cf	Cement Top and Determination Method
Planned __ or Existing __ Conductor	—	—		—	—
Planned __ or Existing ✓ Surface	17½ / 13⅜	0 to 315		350	Circ. to surf
Planned __ or Existing ✓ Interm/Prod	12¼ / 11	0 to 1855	None	800	circ. to surf
Planned __ or Existing ✓ Prod/Interm	7⅞ / 5½	0 to 10512	None	250	CBL* 9280
Planned __ or Existing __ Liner/Prod	(*Rehab: cement 5½ casing	from	7750 & 7650 ±	3500 to surface	
Planned ✓ or Existing __ OH / PERF (Cold Morrow perfs)	In 5½	2135 to 3247	Inj Length 1112		

Injection Stratigraphic Units:	Depths (ft)	Injection or Confining Units	Tops?
Adjacent Unit: Litho. Struc. Por.	+425	Capitan	—
Confining Unit: Litho. Struc. Por.		Lamar	1710
Proposed Inj Interval TOP:	2135	Cherry Canyon	2135
Proposed Inj Interval BOTTOM:	3247	Brushy Canyon	—
Confining Unit: Litho. Struc. Por.		Bone Spring	3513
Adjacent Unit: Litho. Struc. Por.	—	—	—

Completion/Operation Details:

Drilled TD 10512 PBTD 10308

NEW TD — NEW PBTD 3500

NEW Open Hole ○ or NEW Perfs ✓

Tubing Size 2⅞ in. Inter Coated? Yes

Proposed Packer Depth ~2120 ft Plan

Min. Packer Depth 2035 (100-ft limit)

Proposed Max. Surface Press. 427 psi

Admin. Inj. Press. 427 (0.2 psi per ft)

SRW BHP 800 psi

AOR: Hydrologic and Geologic Information

POTASH: R-111-P ○ *Noticed?* NA **BLM Sec Ord** NA **WIPP** NA *Noticed?* NA **SALADO:** T: — B: — **CLIFF HOUSE** NA

FRESH WATER: Aquifer Rustler Max Depth 400 1-Mile Wells? No FW Analysis NA **HYDRO AFFIRM STAT By Qualified Person** ○

Disposal Fluid: Formation Source(s) Penn & Morrow Analysis? Yes On Lease ○ Operator Only ✓ or Commercial ○

Disposal Interval: Inject Rate (Avg/Max BWPD): 1500 / 3000 Protectable Waters?: No **CAPITAN REEF:** thru ✓ adj ○ NA ○

HC Potential: Producing Interval? No Formerly Producing? No Method: Logs / DST / P&A / Other Adjacent wells 2-Mile Radius Pool Map ○

AOR Wells: 1/2-M Radius Map? Yes Well List? Yes Total No. Wells Penetrating Interval: Chevron-Z 000 ✓ Horizontals? No

Penetrating Wells: No. Active Wells 0 Num Repairs? 0 on which well(s)? — Diagrams? Yes

Penetrating Wells: No. P&A Wells 1 Num Repairs? 0 on which well(s)? — Diagrams? Yes

NOTICE: Newspaper Date Apr 16 Mineral Owner SLO Surface Owner Private N. Date April 18, 2013

RULE 26.7(A): Identified Tracts? Yes Affected Persons: Hanagan / Joe Foran / Lincoln / Read & Stevens / Sunwest Bank / N. Date April 18, 2013 / Fuston / Dever

Permit Conditions: Issues: — Reef - below Reef / logs & cross section

Add Permit Cond: Chevron has proposed additional cement in 5½ to be circ. to surface, plus two plugs for sealing behind casing