RECEIVED: REVIEWER:	TYPE:	APP NO:
1918/201	ABOVE THIS TABLE FOR OCD DIVISION	DMAM1729158265
- Geolo	KICO OIL CONSERVATION Ogical & Engineering Bo . Francis Drive, Santa F	ureau –
	CTRATIVE ABBUICATION	CUTCKUCT
THIS CHECKLIST IS MANDATORY FO		NS FOR EXCEPTIONS TO DIVISION RULES AND
REGULATIONS WHICH	H REQUIRE PROCESSING AT THE DIVI	SION LEVEL IN SANTA FE
pplicant: Cimarex Energy Co.		OGRID Number:(162683)
Vell Name: Freedom 36 State SWD #1 Ool: SWD; Devonian-Silurian		API: 30-015-Pending
SWD, Devolitali-Situriali		Pool Code: 97869
SUBMIT ACCURATE AND COMPLETE	INFORMATION REQUIRED INDICATED BELOW	TO PROCESS THE TYPE OF APPLICATION $5 \omega D$
I TYPE OF APPLICATION: Chook the		3 22
 TYPE OF APPLICATION: Check those A. Location – Spacing Unit – Sim 		
□NSL □ NSI	P(PROJECT AREA)	oration unit) \BD
[II] Inje <u>c</u> tion – Disposal – Pre	PLC PC OLS ssure Increase – Enhanc SWD IPI EOR ck those which apply. nolders owners, revenue owner shed notice urrent approval by SLO urrent approval by BLM f of notification or public	FOR OCD ONLY Notice Complete Application Content Complete cation is attached, and/or,
	taken on this applicatior	n until the required information and
Note: Statement must be com	pleted by an individual with man	agerial and/or supervisory capacity.
		10/16/2017
Amithy Crawford		Date
rint or Type Name		
1 1 0 1	1	432-620-1909 Phone Number
haciba lamila	$\sqrt{}$	THORE NOTING
thank and	<u>//</u>	acrawford@cimarex.com
anaure : II		e-mail Address

RECEIVED OCD





CIMAREX ENERGY COMPANY 600 N. Marienfeld Street Suite 600 Midland, TX 79701

10/16/2017

Attn: New Mexico Oil Conservation Division

1220 South St. Francis Drive

Santa Fe, NM 87505

Subject:

C-108 Application: Freedom 36 State SWD #1

Dear Sir or Madam,

Cimarex Energy Co. is seeking administrative approval to dispose of produced water into the Devonian-Silurian formation. Please find the following documents in our application package:

- Administrative Application Checklist
- C-102
- Form C-108 (Application for Authorization to Inject)
- C-108 Supporting information
- Injection Well Data Sheets
- Proposed wellbore schematic
- ½ mile & 2 mile AOR Maps
- ½ mile AOR table
- AOR P&Ad wellbore schematics and well information.
- Water analysis
- Geological Description
- Water Well Search Information. Field review found no waters wells within a ½ mile
- Legal Notice ran on 10/15/17. Newspaper Clipping attached. Affidavit will be sent as soon as received.
- Notification Requirements and Proof of Notice

Please contact me with any questions, concerns, or if any additional paperwork is needed.

Thank you,

Amithy Crawford Regulatory Analyst 432-620-1909

acrawford@cimarex.com

District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

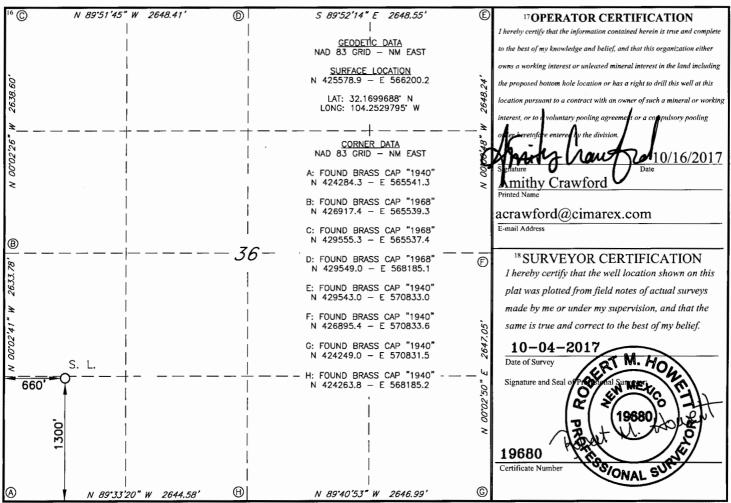
Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

	API Numbe			² Pool Code		³ Pool Name						
30-0	30-015-4 4488 97869					;	SWD; Devon	iian-Sili	ırian			
4Property Co			_		5 Property N					6 Well Number		
				FRE	EDOM 36	STATE SWD			1			
7 OGRID NO. 8 Operator Name 215099 CIMAREX ENERGY COMPANY									9Elevation			
215099)					3387'						
¹⁰ Surface Location												
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the East/W		est line	County		
М	36	24S	26E	E 1300 SOUTH 660 W				WE	EST EDDY			
			11]	Bottom H	lole Location	If Different Fr	om Surface					
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line		County		
12 Dedicated Acres	13 Joint	or Infill 14 (Consolidation	Code 15 C	Order No.							

No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.



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? Yes No
II.	OPERATOR: Cimarex Energy Co.
	ADDRESS: 600 N. Marienfeld, Suite 600, Midland TX 79701
	CONTACT PARTY: Amithy Crawford PHONE: 432-620-1909
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.
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:
	 Proposed average and maximum daily rate and volume of fluids to be injected; Whether the system is open or closed; Proposed average and maximum injection pressure; Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and, 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: Amithy/Crawford 0, TITLE: Regulatory Analyst
	SIGNATURE: DATE: 10/16/2017
ŧ	E-MAIL ADDRESS: acrawford@cimarex.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:

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.

C-108 Application For Authorization to Inject

Freedom 36 State SWD #1

1300 FSL & 660 FWL Sec 36, 24S, 26E Eddy County, NM

- III. Well Data Attached
- V. Maps area attached
- VI. Table of wells with the ½-mile AOR is attached as well as completion and plugging information on each well.
- VII. 1. Proposed Average Daily injection rate= 20,000 BWPD Proposed Maximum Daily injection rate= 35,000 BWPD
 - 2. System will be Open. Water will both be piped and trucked.
 - Proposed Maximum pressure= 2,450 psi
 Proposed Average max pressure= 2,000 psi
 - 4. Source of injected water will be Bone Spring, Cherry Canyon, and Wolfcamp produced water. No compatibility problems are expected. Analysis of the waters are attached.
 - 5. No Devonian receiving formation water samples directly offset. Deepest TVD (11757') well (30-015-32340) within a half-mile is in the Morrow formation.
- VIII. Geologic data attached
- IX. Stimulation on this well will be to acidize open hole with 15,000 gallons of 20% NeFe HCL
- X. Logs will be filed upon completion
- XI. 3rd party, Leidos, performed a 1-mile search around the proposed location and could not find any water wells.
- XII. See attached affirmative statement from Geologist
- XIII. See attached Proof of Notice and Publication

INJECTION WELL DATA SHEET

OPERATOR: Cimarex Energy Co				
WELL NAME & NUMBER: Freedom 36 State SWD #1				
WELL LOCATION: 1300 FSL & 660 FWL FOOTAGE LOCATION	M UNIT LETTER	36 SECTION	24S TOWNSHIP	26E RANGE
<u>WELLBORE SCHEMATIC</u> ** See attached Proposed Wellbore Schematic**		<u>WELL CO.</u> Surface C	NSTRUCTION DAT asing	<u>4</u>
	Cemented with: _	603 sx. Surface	Casing Size: 2 or 802 Method Determined	ft ³ : Circulation
Intermediate Casing 1		<u>Intermediate</u>	Casing 2	
Hole Size: 17.5" Casing Size: 13 3/8" Cemented with: 1200 sx. or 1895 ft 3 Top of Cement: Surface Method Determined: Circulation	Hole Size:	1624 sx.	or 3864 Method Determined	5/8" ft ³ : <u>Circulation</u>
	Total Depth:	1812 sx. Surface 13,750' Injection In	or 2184 Method Determined	
	12,2	(Perforated or Open Ho	to 14,25	<u></u>

INJECTION WELL DATA SHEET

Tub	Tubing Size: 4.5" Lining	g Material:	Fiberglass
Тур	Гуре of Packer: Inconel Permanent Packer		
Pac	Packer Setting Depth: 12,730'		
Oth	Other Type of Tubing/Casing Seal (if applicable):	N/A	
	Additional I	<u>Data</u>	
1.	1. Is this a new well drilled for injection?	Yes	No
	If no, for what purpose was the well originally dril	led? N/A	
2.	2. Name of the Injection Formation: Devonian-Sil	urian	
3.	3. Name of Field or Pool (if applicable): SWD; De	vonian-Siluria	n (97869)
4.	4. Has the well ever been perforated in any other zon intervals and give plugging detail, i.e. sacks of certain		
5.	5. Give the name and depths of any oil or gas zones injection zone in this area:		
	Over: Morrow (11106'), Bone Spring (7450'), W	olfcamp (8571	'), Ramsey Sand (2046')
	Under: None		



DRILLING PROGNOSIS Cimarex Energy Co.

Well:

Freedom 36 State (SWD) 1

Date:

10/13/2017

Co., State

Eddy Co, NM

Surf. Loc:

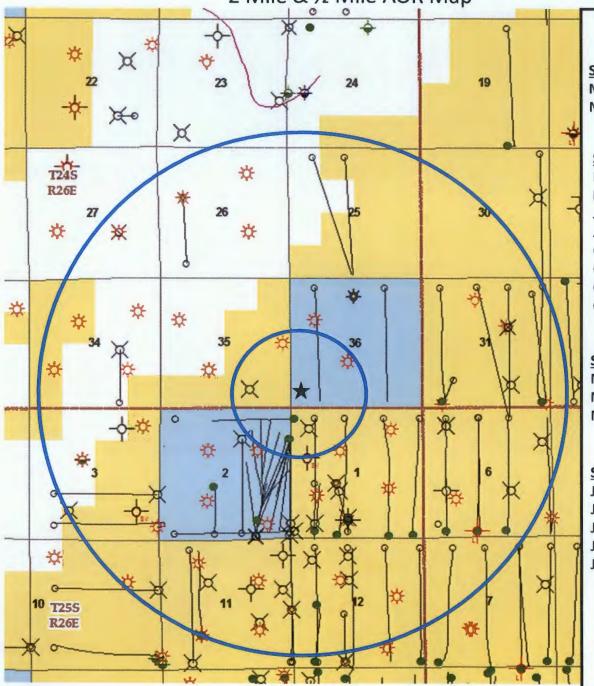
660' FSL & 660' FWL Sec 36, 24S, 26E

Bottomhole Loc:

Vertical

		Formation Tops TVD
26"	30" Conductor @ ± 120'	
	20" 94# J-55 Casing at 450'	
	Top Salt	1,160'
	Base of Salt	1,875'
17 1/2"	9-5/8" 40# L-80 Halliburton DV Tool	l @ 1,900'
	13 3/8" 61# J-55 BTC @ 2,100'	
	Lamar LM	2,075'
	Bell Canyon	2,250'
	Cherry Canyon	3,045'
	Brushy Canyon	3,975'
	Bone Spring Lime	5,530'
	9 5/8" 40# HCL-80 Halliburton DV T	
	1st Bone Spring sand	6,515'
	2nd Bone Spring Sand	6,995'
*	3rd Bone Spring Sand	8,345'
12 1/4"	Wolfcamp	8,650'
7	Wolfcamp B	9,285'
	Wolfcamp C	9,410'
	Wolfcamp D	9,525'
	Wolfcamp E	9,885'
\boxtimes	7" Liner Top @ 9,100',7" 29# L-80) Wedge 523 9,100'-surface
	9 5/8" 40# HCL-80 10,105 to st	urface
* *	External Coated 9-5/8" from 1,90	
	Cisco- Canyon	10,105'
	Strawn	10,336'
	Atoka	10,522'
	Morrow	11,120'
4	Barnett	12,145'
8 3/4"	Lower Mississippi Lime	12,415'
	Woodford	12,630'
	Devonian	12,750'
		String and Inconel Packer @ 12,730'
X	7" 29# L-80 liner Wedge 523 9,100'-12,630'	

Freedom 36 State SWD #1 2 Mile & ½ Mile AOR Map



1/2 Mile Wells

Sec 35 24S 26E 1/2 Mile Wells

Moore Fed Com #3 30-015-33828 Moore Fed Com #4 30-015-33906

Sec 2 25S 26E 1/2 Mile Wells

Murchinson 2 State #1 30-015-28288 Murchinson 2 State #4 30-015-28602 Jawbone State #1H 30-015-43987 Jawbone State #2H 30-015-43984 Ogden State #10H 30-015-40798 Ogden State #7H 30-015-40696 Ogden State #8H 30-015-40793 Ogden State Com #2 30-015-24068

Sec 1 25S 26E 1/2 Mile Wells

Marquardt Federal #1 30-015-22674 Marquardt Federal #6 30-015-28561 Marquardt Federal #8 30-015-28563

Sec 36 24S 26E 1/2 Mile Wells

Jake State #1 30-015-21340 Jake State #3 30-015-32340 Jake State #4 30-015-33134 Jake 36 State #7H 30-015-42614 Jake 36 State #5 30-015-43500

1/2 Mile Lease Map Sec 36, 24S 26E Cimarex Energy Co. Chevron USA INC Unit Petroleum Co. WHITE Sec 35, 25S, 26E Murchison Oil & Gas Sec 1, 25S, 26E Chevron USA Inc Sec 2, 25S, 26E Chevron USA Inc Murchison Oil & Gas

VI.

Table of AOR Wells

** No Wells Penetrate the Proposed Disposal Interval**

API	WELLNAME	WELLNO	OPERATOR	SECTION	TOWNSHIP	RANGE	SPUD	TVD	RECORD OF COMPLETION	STATUS
30-015-42614	Jake 36 State	#7H	Cimarex Energy Co.	36	245	26E	N/A	N/A	N/A	Permitted Locotion
30-015-43500	Jake 36 State	#5H	Cimarex Energy Co.	36	245	26E	N/A	N/A	N/A	Permitted Location
30-015-21340	Jake State	#1	Unit Petroleum Co.	36	245	26E	9/7/1974	10405'	Single	P&Ad
30-015-32340	Jake State	#3	Chevron USA Inc	36	245	26E	8/22/2002	11757'	Single	Active
30-015-33134	Jake State	#4	Chevron USA Inc	36	245	26E	4/28/2004	11800'	Single	P&Ad
30-015-43987	Jawbone State	#1H	Murchison Oil & Gas	2	255	26E	2/17/2017	7186'	Single	Active
30-015-43984	Jawbone State	#2H	Murchison Oil & Gas	2	25S	26E	1/26/2017	7200'	Single	Active
30-015-28563	Marquardt Federal	#8	Chevron USA Inc	1	255	26E	N/A	N/A	N/A	Expired Permit
30-015-28561	Marquardt Federal	#6	Chevron USA Inc	1	25S	26E	6/29/1995	5625'	Single	P&Ad
30-015-22674	Marquardt Federal	#1	Chevron USA Inc	1	25\$	26E	12/19/1978	11526'	Single	Shut In
30-015-33828	Moore Federal Com	#3	Murchison Oil & Gas	35	245	26E	N/A	N/A	N/A	Expired Permit
30-015-33906	Moore Federal Com	#4	Murchison Oil & Gas	35	245	26E	5/4/2005	11650'	Single	Active
30-015-28602	Murchison 2 State	#4	Chevron USA Inc	2	25S	26E	8/18/1995	5550'	Single	P&Ad
30-015-28288	Murchison 2 State	#1	Chevron USA Inc	2	255	26E	1/20/1995	8361'	Single	P&Ad
30-015-40696	Ogden State	#7H	Murchison Oil & Gas	2	255	26E	10/12/2012	5055'	Single	Active
30-015-40798	Ogden State	#10H	Murchison Oil & Gas	2	255	26E	N/A	N/A	N/A	Cancelled APD
30-015-40793	Ogden State	#8H	Murchison Oil & Gas	2	255	26E	10/12/2012	11176'	Multiple	Active
30-015-24068	Ogden State Com	#2	Murchison Oil & Gas	2	255	26E	1/29/1982	10885'	Single	Active

Geological Description

Freedom 36 State (SWD) 1

Formation(s) for injection: Devonian-Silurian

Injection Interval: Top 1000' of Devonian-Silurian (12,250' - 14,250'). Logs will be ran to pinpoint the exact top of the Devonian-Silurian while drilling.

Lithological Description: Highly porous and vugular dolomitized carbonate

Thickness: 1,000'+ of gross interval thickness

Porosity: 6% to over 20%

Permeability: Highly permeable 50+ md (estimated)

Estimated Geological Formation Tops for the Freedom 36 State (SWD) 1

Top of Salt	1,160'	Atoka	10,522′
Base of Salt	1,875'	Morrow	11,120′
Delaware Group	2,250'	Barnett	12,145
Bone Spring	5,530′	Mississippian	12,415'
Wolfcamp	8,650′	Woodford	12,630′
Cisco/Canyon	10,105'	Devonian	12,750′
Strawn	10,336′		

The injection depths are 10,500' below the deepest potential source of brackish water that might be economically used as a source for drinking water.

After examining the available geological data, no evidence was found of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.

Geologist

Breat A. Bruington

Cimarex Energy Company

Jake State # 1

State of New Mexico Form C-103 Submit 3 Copies To Appropriate District Office Energy, Minerals and Natural Resources May 27, 2004 District I WELL API NO. 1625 N. French Dr , Hobbs, NM 87240 District II 30-015-21340 OIL CONSERVATION DIVISION 1301 W. Grand Ave., Artesia, NM 88210 5. Indicate Type of Lease 1220 South St. Francis Dr. District III STATE 🔀 1000 Rio Brazos Rd., Aztec, NM 87410 FEE Santa Fe, NM 87505 District IV 6. State Oil & Gas Lease No. 1220 S. St Francis Dr., Santa Fe, NM 87505 K - 4593SUNDRY NOTICES AND REPORTS ON WELLS 7. Lease Name or Unit Agreement Name: (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A JAKE STATE DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.) 8. Well Number 1. Type of Well: Oil Well Gas Well G Other X 9. OGRID Number 2. Name of Operator UNIT PETROLEUM COMPANY 115970 10. Pool name or Wildcat 3. Address of Operator P.O. Box 702500 Tulsa, OK 74170 White City (Penn) 4. Well Location 1980 feet from the SOUTH 1980 line and feet from the line Township 24 - S Range **NMPM** Section EDDY County NM 11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3,408' GR 3,408' GR Pit or Below-grade Tank Application or Closure _ Depth to Groundwater . Distance from nearest fresh water well _____ Distance from nearest surface water _ Pit Liner Thickness: _ Below-Grade Tank: Volume_ _bbls; Construction Material _ 12. Check Appropriate Box to Indicate, Nature of Notice, Report, or Other Data NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF: PLUG AND ABANDON 🔲 REMEDIAL WORK ALTERING CASING PERFORM REMEDIAL WORK **CHANGE PLANS** COMMENCE DRILLING OPNS. X **PLUG AND TEMPORARILY ABANDON** ABANDONMENT CASING TEST AND **PULL OR ALTER CASING** MULTIPLE COMPLETION **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. 5-7-08 M.I.R.U. 5-20-08 Parf. 08,700'. R.I.H. to 8,750'. Spot 25 sx. cmt. W.O.C. & tag 08,290'. 5-21-08 Parf. @5,000'. R.I.H. w/tbg. to 5,050'. Spot 25 sx. W.O.C. & tag @4,905'. Parf. @2,300'. R.I.H. w/pkr. to 1,954'. Sqz. 50 sx. W.O.C. & tag @2,050'. Perf. @1,870'. R.I.H. w/pkr. to 1,618. Sqz. 25 sx. W.O.C. & tag @1,762'. 5-22-08 Perf. @1,300'. R.I.H. w/pkr. to 914'. Sqz. 50 sx. W.O.C. & tag @1,082'. Perf. @1,070'. Sqz. 25 sx 5-23-08 Perf. @460'. R.I.H. w/pkr. to 189'. Sqz. 25 sx. W.O.C. & tag @360'. Perf. @250'. Sqz. 70 sx. to surface. I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or belowgrade tank has been/will be constructed or closed according to NMOCD guidelines _____, a general permit _____or an (attached) alternative OCD-approved plan _____ TITLE_ SIGNATURE. .DATE_ E-mail address: Telephone No. (432) 530-0907 Type or print name RANDALL MINEAR Approved for plugging of well bore only. For State Use Only Liability under bend is retained pending receipt of C.103 (Subsequent Report of Well Pluming) TITLE APPROVED BY which may be found at OCD Web Page unde Conditions of Approval, if any: Forms, www.cmnrd.state.nm.us/ocd.

N /		بعمر					w.,				
NO. OF COPIES RECEIVE	10 6							Darm	n C-105		
DISTRIBUTION	171								ised 1-1-65		
SANTA FE								5a. India	cate Type of Lease		
FILE	1/1-1	NEW ELL COMPLI				N COMMISSION		8,5,5	Fee .		
U.S.G.S.	2)	TELE COMIL E	- 110H OK	IV.L.C.	OWII LL 110	IT ICLI OICI	AND LO	5. State	Oil & Gas Lease No.		
LAND OFFICE					R	ECEI	VEC	K-45	93		
OPERATOR			*								
In TYPE OF WELL	<u> </u>					MAR 3	1075	77777			
IN. TYPE OF WELL			<u></u>			***************************************	13/3	7. Unit 7	Agreement Name		
b. TYPE OF COMPLE		L GAS WELL	. LY.	RY L	OTHER_			8. Farm	or Lease Name		
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2. Name of Operator	R L DEEPĖ	NL_J BACK	C RES	<u>/R</u>	OTHER			9. Well h	State No.		
Coquina Oil C	orporation.			-				1			
3. Appress of Operator	<u> </u>							10. Field	d and Pool for Wildeat		
200 Bldg. of	Southwest.	Midland, T	exas 79	701					Crawford Penn		
4. Location of Well											
1	1	080			LINE AND	1980					
UNIT CETTER J	12. Coun										
South	26	210	265		IIIII	///X////	//////	7			
THE South LINE OF	16. Date T.D. R	eached 17. Date	Compl. /Red	HMPM dy to F		Elevations (DF	. RKB. RT.	GR. etc.	19. Elev. Cashinghead		
9-7-74	11-5-74	1	17-75			G.L. 3					
20. Total Depth		Book T.D.	22. If	Multipl	le Compl., Ho	w 23. Inter	rals Rot	ary Tools	Cable Tools		
10,405		10,399	, M	iny		Drille	> ∶ 0	-10,405			
24. Producing Interval(s			n, Name						25. Was Directional Survey Made		
10,214-24;	27-36; 41-4	18 Pe <mark>rmo</mark> Pe	nn								
			·						No		
25. Type Electric and C			Noutre	D.				27	7, Was Well Cored		
Gamma Ray-Neu	tron; Later								No		
23.	WEIGHT LB.				ort all strings		ENTING RE	CORD	AMOUNT PULLED		
12 3/4	35.5	19			1/2	400	201100112	COND	None		
8 5/8	24.0	218		ii	1725				None		
4 1/2	11.6	10,40				6'	' None				
29,	. L	INER RECORD	·			30.		TUBING R	UBING RECORD		
SIZE	ТОР	BOTTOM	SACKS CE	MENT	SCREEN	SIZE		EPTH SET			
						2 3/8	10	,159	10,162		
31. Perforation Record (Internal size and	number!	<u> </u>		32.	ACID SHOT	FRACTIO	CEMENT	SQUEEZE, ETC.		
10,214-24 2		. numbery				INTERVAL			KIND MATERIAL USED		
10,227-36 2					10,214-				28% NEA		
10,241-48 2								O gals.	15% NEA		
10,2 =									· · · · · · · · · · · · · · · · · · ·		
						·					
33,	7	-Ala- 34-Ab- 1 /E1	i=		UCTION	d **** = 1		W-11 C	atus (Prod. or Shut-in)		
Date First Production	Produ	Elowing	wing, gas lij	ւ, բսուբ	ung size an	u type pump)			S.I.		
1-23-75 Eate of Test	Hours Tested	Flowing Choke Size	Prodin. F	or	Oil - Bbl.	Gas - Ma	CF W	rter Bbl.	Gas - Oil Ratio		
2-17-75	4	Various	Test Peri	od	12	467	1	0	38900:1		
Flow Tubing Press.	Casing Pressure	Calculated 2	- OII — Bbi	<u> 1</u>	Gas - N		Yater — Bbl		Oil Gravity - API (Corr.)		
Various	Packer	Hour Flate	- 72	2	10.	758	0	1	62.7		
34. Disposition of Gas (l, vented, etc.)					Т	st Winesse			
Vented								Spri	uell XV ^		
35. List of Attachments									0 0 3		
CAOF; Deviat	ion; DST's										
36. I hereby certify that	the information s	hour on both side	s of this for	n is tru	ie and comple	te to the best o	j my knowl	eage and bel	uej.		
1	<i>(</i> •)	////			F	.i			2 27 75		
SIGNED 1	ioni (. F	act la	TITL	E	Eng	ineer		DATE	2-27-75		

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

CHVIDSON

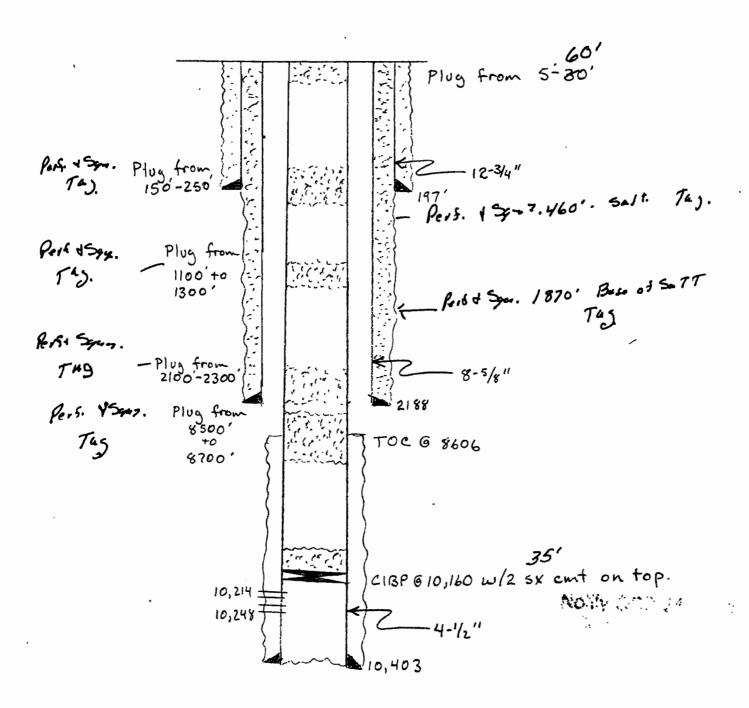
INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico Northwestern New Mexico _ T. Penn. "B" T. Anhy_ ___T. Ojo Alamo_ ___ T. Kirtland-Fruitland ______ T. Penn. "C". __ T. Strawn _ T. Salt T. Atoka _ T. Pictured Cliffs _____ _ T. Penn. "D". _ T. Cliff House_ T. __ T. Menefee_ ___ T. Madison_ _____T, Devonian _ 7 Rivers_ _____ T. T. Point Lookout _____ T. Elbert . T. Queen. T. McCracken T. Mancos ____ T. Grayburg. Montova T. Gallup _____ T. Ignacio Qtzte. San Andres. Base Greenhorn ______ T. Granite_ _ T. McKee Glorieta T. Dakota _____ T. . _ T. Ellenburger. T. Paddock _____ T. . T. Morrison ... T. Gr. Wash .. T. Blinebry _ T. Granite_ _ T. Todilto T. 2190 ___ T. Delaware Sand _ T. Entrada Drinkard. 5540 __ T. Bone Springs. ___ T. Wingate. __ T. T. Permo-Penn 9870 __ T. Chinle . ____ т. Wolfcamp. T. _ T: _ T. . T. Permian _ т. _ T. Penn. "A". T Cisco (Bough C)

FORMATION RECORD (Attach additional sheets if necessary)

From	То	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0 2100 2100 2190 2190 5540 5540 6515 6515 6840 7390 8345 8345 9530 9530 9870 9870 10215 10215 10405	2100 90 3350 975 325 550 955 1185 340 345 190	Evaporites Lm. & Sh. Sand, Sh., Lm-Dolo Strks Lm. & Sh. Sand, Sh., Chert,Lm Strks Sh., Sd., Lm. Lm., Sh. Sd., Sh. Sh., Lm. Sh., Lm. Sh., Lm. Sh., Sd., Lm. Lm., Sh., Sd., Lm.	•				
				·			

Proposed Plugs for Jake State #1 1980 FSL 1980 FEL See 36, T-24-5 R-26-E



Jake State #3

Submit To Appropria	te District Affec	415167778		State of New M Minerals and Na	1exic	co					Form C-105	
Fee Lease - 5 copies	5	A É	nergy,	Minerals and Na	tural	Resources				Re	vised March 25, 1999	
1625 N. Franch Dr., I District II	10 Mar. N. 88240	2 2003	-					WELL API				
1301 W. Grand Aven	us Artenia NAT 68	214.1150	20	il Conservation	Divi	ision	}	30-015-				
1301 W. Grand Aven District III 1000 Rio Brazos Rd.,	O NI STAR	CEIVED	SA/2	20 South St. Fr	anci	s Dr.	- 1	5. Indicate	IEX	.ease FEI	: 🗆	
District IV	/4 OCC	- ARILL	A/	Santa Fe, NM	87 <i>5</i> 0)5	ŀ	State Oil &		e No.		
District III 1000 Rio Brazos Rd., District IV 1220 S. St. Francis D WELL C	OMPLETIC	N OR REC	SKIPI	ETION REPOR	A TS	NDLOG	-	K-4593				
la. Type of Well: OIL WE	LL D CASS	GE GZ BZ LOR		OTHER				7. Lease Name	or Unit Ag	reement N	ame	
b. Type of Comp NEW 🔯 🐧	letion: VORK 🗍 DE	EPEN PL	JG 🏻	DIFF.				Jake	State	!		
	OVER		CK_	RESVR. OTH	ER		-4	A 117 H 37				
1					٠.			8. Well No.	•]	
Rubicon 0 3. Address of Oper	il & Gas	. LLC			٠.			1901 AL	3			
400 West Illinois, Suite 1130, Midland, Texas 79701 White City Morrow									· r·			
4. Well Location Unit Letter	K,- 19	BO Feet F	room The_	South		Line and	198	0 _{Fe}	et From The	W	est Line	
Section	36	Towns	hin	24-S	nge	26-E	M	MPM E	ddy		Commi	
10. Date Spudded	11. Date T.D.			ompl. (Ready to Prod.)	nge	13. Elevations	:		ctc.)	14. Elev.	County Casinghead	
8-22-02	10-13-0	- (28-02		GR-3358'	_	RKB-3375	ı (3	356'	
15. Total Depth		Back T.D.		Multiple Compl. How				Rotary Tools		Cable 7		
11,757'	11.	714'	Z	ones?		Drilled By	y	0 - 11,	757'	Ţ	}	
19. Producing Inter			oαom, N	ame		<u>l</u>		20	. Was Din	ectional Su	rvey Made	
11,420' t	11,420' to 11,430' & 11,551 to 11,576' Morrow)		
1								22. Was Well	Cored			
Density-N	lewtron-L	aterolog;						No				
CASING SIZE	e I we	CUT I D (M)	CA	SING RECOR	D (I		trin					
13-3/8"	54.5	IGHT LB./FT. #	+-	DEPTH SET	17-1/2"			CEMENTING	C"		MOUNT PULLED	
9-5/8"		% 43.5#	 	5490'				1905 sx "C" None				
7"		& 26#		10400'	8-3/4"			370 sx "H"			one	
							_			 		
24.			I.IN	IER RECORD			25.	Т	TUBING RECORD			
SIZE	TOP	BOTTOM		SACKS CEMENT	SCR	EEN	SIZI		DEPTH S			
4-1/2"	10,150'	11.7	55'	140 "H"	N	one	2	-7/8"	10.11	7'	10,094'	
26. Perforation re	ecord (interval, s	ze, and number)		<u> </u>	27.	ACID, SHOT,	FRA	CTURE, CE	MENT, SC	UEEZE,	ETC.	
11,420' t	o 11.430	': 0.25":	5 sł	nots		TH INTERVAL		AMOUNT AN				
11,551' t											rrow Acid	
						420'-11.	2/0	38,400	gallbi	nary	Foam:40,340# Inter Pro	
28				PRC	DU	CTION					Tarer Fry	
Date First Production	œn	Production Me	thod (Fi	owing, gas lift, pumpin)	Well Status	Prod. or Sh	ut-in)		
11-22-02		Flow	ing					Produ	cing			
Date of Test	Hours Tested	Choke Siz	e	Prod'n For	Oil -	ВЫ	Gas	MCF	Water - B	bl.	Gas - Oil Ratio	
12-18-02	24	20/64	II	Test Period		0	16	74	94			
Flow Tubing Press.	Casing Pressur	e Calculated		Oil - Bbl.		Gas - MCF		ater - Bbl.		iravity - A	PI - (Corr.)	
750	-0-	nour Rate		-0-		1674	,	94		N/A	1	
29. Disposition of C Sold and		r Juel, vented, etc	.)	<u> </u>					Robby	sed By Math	env	
30. List Attachment	S	ased Hole	Logs	; Deviation	Sur	rvev			עטטטע	וום נוו	en y	
31 J hereby certif	y that the infor	mation shown o	n both s	ides of this form as i	rue ai	nd complete to	the b	est of my know	vledge and	d belief		
Siomasura	bear A	17		Printed Danol	ν	Damou		Acost			n 1-12 02	
Signature	00///	Am	4	Name Daroi	٨.	Ramey Titl	le	Agent			Date 1-13-03	

Submit 1 Copy To Appropriate District Form C-103 Revised July 18, 2013 Energy, Minerals and Natural Resources District I - (575) 393-6161 WELL API NO. 1625 N. French Dr., Hobbs, NM 88240 District II - (575) 748-1283 30-015-33134 OIL CONSERVATION DIVISION 811 S. First St., Artesia, NM 88210 5. Indicate Type of Lease District III - (505) 334-6178 1220 South St. Francis Dr. STATE $\cdot \mathbf{X}$ FEE 1000 Rio Brazos Rd., Aztec, NM 87410 Santa Fe, NM 87505 District IV - (505) 476-3460 6. State Oil & Gas Lease No. 1220 S. St. Francis Dr., Santa Fe, NM SUNDRY NOTICES AND REPORTS ON WELLS 7. Lease Name or Unit Agreement Name (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A **JAKE STATE** DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH 8. Well Number PROPOSALS.) Gas Well 1. Type of Well: Oil Well X Other 9. OGRID Number 4323 2. Name of Operator CHEVRON U.S.A. INC. 10. Pool name or Wildcat 3. Address of Operator 15 SMITH ROAD MIDLAND, TEXAS 79705 BLACK RIVER SW (MORROW) GPS Y- LAT 32.17633 X-LONG. -104.25297 4. Well Location NORTH line and 660 Unit Letter 1,650 feet from the feet from the WEST line Township Range 26-E **NMPM** County LEA Section 11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3.340' KB 12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF: REMEDIAL WORK ALTERING CASING PERFORM REMEDIAL WORK PLUG AND ABANDON COMMENCE DRILLING OPNS. P AND A TEMPORARILY ABANDON **CHANGE PLANS PULL OR ALTER CASING** MULTIPLE COMPL П CASING/CEMENT JOB DOWNHOLE COMMINGLE **CLOSED-LOOP SYSTEM** 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 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion. 13 3/8" @ 360' TOC SURF. 9 5/8" 36# @ 2,000', TOC SURF. 7" 26# @ 8,913' TOC @ 1,800' TS, 4 1/2" LINER 8,702'-11,799', PERFS 9,965'-11,424', CIBP'S @ 11,480', 11,304', 9,915' 7/24/15 MOVE IN & RIG UP, ROBBY KISER WSM CHEVRON NOTIFIED RANDY DADE W/NMOCD. 7/26/15 RIH TO 9,920' RANDY DADE OK TO SPOT PLUG, MIX & SPOT 25 SX CL "H" CEMENT FROM 9,920'-9,568'. PU & REV OUT, TEST TO 500#, CIR W/ 10# SALT GEL. 7/27/15 PU TO 8,916', MIX & SPOT 50 SX CL "H" CEMENT FROM 8,916'-8,510', WOC TAG 8,664', OK BY RANDY DADE. PU 6,523', MIX & SPOT 40 SX CL "H" CEMENT FROM 6,523'-6,300', PU TO 4,526' MIX & SPOT 45 SX CL "C" 4,526'-4,281'. 7/28/15 PRESSURED TEST CASING 500#, MIX & SPOT 40 SX CL "C" CEMENT FROM 2,105'-1,860', WOC TAG @ 1,886', POOH, RIG UP WIRELINE, RIH PERF @ 460', MIX & CIRCULATE 300 SX CL "C" CEMENT FROM 460'- 3' CIRCULATE CEMENT BACK TO SURFACE ON BOTH STRINGS, NIPPLE DOWN CUT & CAP WELL TO MEET WITH RULE 19.15.7.14 NMAC REQUIRMENTS AND COA'S PROVIDED. CLASS "H & C" CEMENT USED & IN A CLOSED LOOP SYSTEM. NM OIL CONSERVATION ARTESIA DISTRICT AUG 3 1 2015 Spud Date: Rig Release Date: RECEIVED

APPROVED BY:

Conditions of Approval (if any):

Sub mit Subsequent C-103

TITLE Agent Chevron U.S.A.

Monty L. McCarver E-mail address: monty mccarver@cjes.com PHONE: 713-325-6288

DATE 07/29/15

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

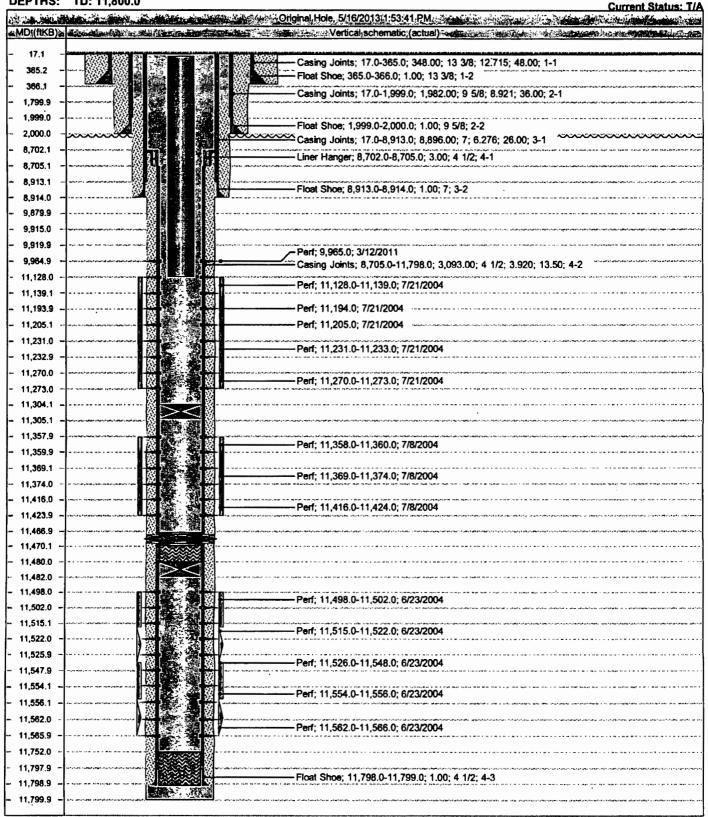
SIGNATURE

Type or print name

Current Wellbore Schematic

WELL (PN): JAKE STATE 4(CVX) (819505)
FIELD OFFICE: HOBBS
FIELD: Black River SW (Morrow)
STATE / COUNTY: NEW MEXICO / EDDY
LOCATION: SEC 36-24S-26E, 1650 FNL & 660 FWL
ROUTE: HOB-NM-ROUTE 10- DAVID ORTEGA
ELEVATION: GL: 3,323.0 KB: 3,340.0 KB Height: 17.0
DEPTHS: TD: 11,800.0

API#: 3001533134 Serial #: SPUD DATE: 4/28/2004 RIG RELEASE: 6/7/2004 1ST SALES GAS: 8/5/2004 1ST SALES OIL:

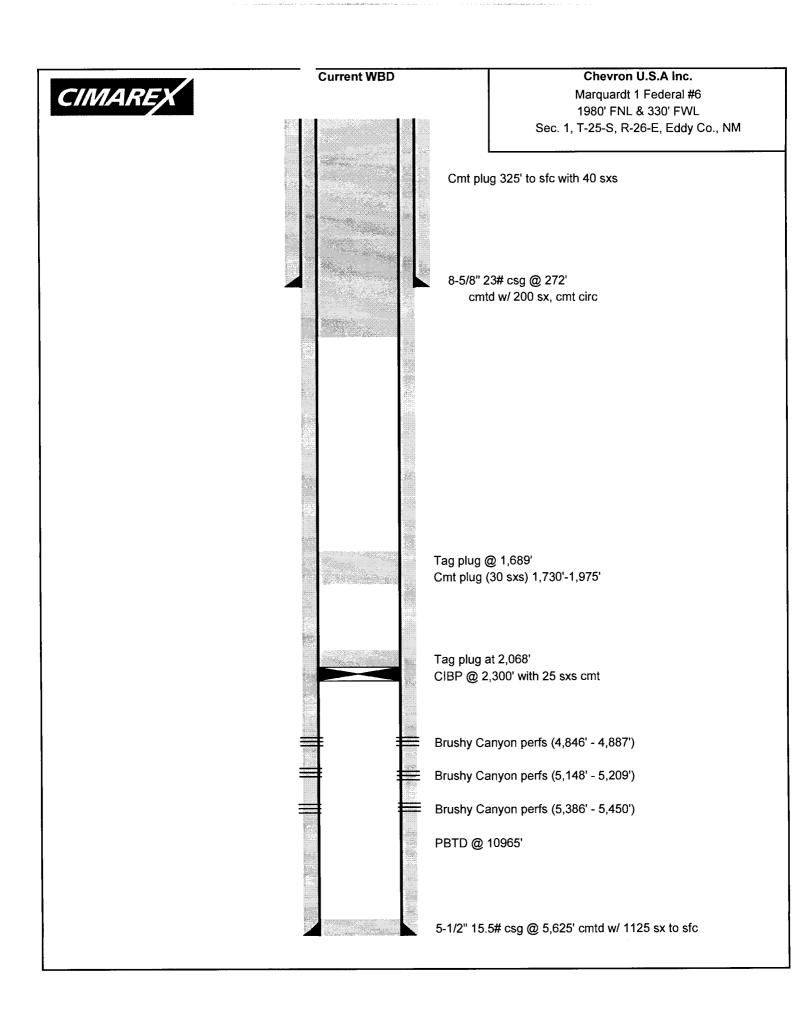


Submit To Appropria State Lease - 6 copies		ct Office .		State of New 1	Mexi	co	Form							
Fee Lease - 5 copies District I	•		En	ergy,	Minerals and N	atura	l Resou	rces	WITT I AD	I MO		Revised June 10, 20	<u>)03</u>	
1625 N. French Dr., I	Hobbs, i	IM 88240			·i			ļ	WELL AP 30-015-3					
District II 1301 W. Grand Aven	ne, Arte	sia, NM 88210			il Conservation			ŀ	5. Indicate		f Lease			
District III 1000 Rio Brazos Rd.,	Aztec,	NM 87410		12	220 South St. F				STA	ATE X	FE	E 🗌		
District IV 1220 S. St. Francis D	r Santa	Fe. NM 87505			Santa Fe, NM	8750	05		State Oil &	t Gas Le	ase No.			
WELL C			R RECO	MPL	ETION REPOR	ΓΑΝ	D LOG							
la. Type of Well:	TT [GAS WELL	מים וצו		OTHER				7. Lease Nam Jake State		Agreement N	lame		
b. Type of Comp	letion:								Jake State		F	RECEIVED		
	WORK OVER	☐ DEEPE?	PLU BA		DIFF. RESVR. OTI	ŒR						NÓV 1 7 2004		
2. Name of Operat	or				1				8. Well No.		00	D-ARTESIA		
Chesapeake (Opera	ating, Inc.			t .			004						
3. Address of Oper	rator								9. Pool name					
P. O. Box 110	50 M	idland, TX	79702-80	50			·		Black Rive	r;Morro	w, South	west		
4. Well Location											14	I 4		
Unit Letter	<u>E</u>	. 1650	Feet Fr	om The	North		_ Line and	660		Feet From	TheV	/est	Line	
Section	36		Townsl	ip 24	S	Range	26E		NMPM	E	ddy	County		
10. Date Spudded 04/28/2004	11, I 06/	Date T.D. Reach 04/2004	12. 07.	07/21/2004				R	k RKB, RT, G		`	. Casinghead		
15. Total Depth		16. Plug Back	T.D.	D. 17. If Multiple Compl. How Zones?				Intervals	Rotary Tool	S	Cable	Tools		
11800		11470							0 - 11800					
19. Producing Inte 11,128 - 11,42	4 Mo	rrow	ion - Top, Bo	ottom, N	lame					yes	Directional S	Survey Made		
21. Type Electric a	and Oth	er Logs Run							22. Was We	eli Cored				
23.	LO, 1	401010		CA	SING RECO	RD (Report	all stri		well)			_	
CASING SIZE	Е	WEIGHT	LB./FT.		DEPTH SET		HOLE S		CEMENTIN		RD A	AMOUNT PULLED		
13 3/8"		48#		360'					315 sx C					
9 5/8"		36# 26#		2000 8,91					1350 sx P					
'		20#		0,91	<u> </u>	0 3/4			1770 321	Territairi				
,			ar t							· · · · · · · · · · · · · · · · · · ·				
24.	,			LI	NER RECORD	¬		25			RECORD			
SIZE 4 1/2"	TOP		BOTTOM		SACKS CEMENT 810 sx	SCR	REEN	SI	ZE 3/8	DEPTH SET 11249		PACKER SET		
7 1/2			11.800		01034	┼		- -	3/0	1127		11200		
26. Perforation r	ecord (interval, size, ar	nd number)		101				ACTURE, C	EMENT,	SQUEEZE	E, ETC.		
11,498 - 11,5	66 2 24 /3	Spr set Cibi	າ@ 11,4≀ າຄ	30 + 1	o cmt		TH INTE		AMOUNT A					
11,128 - 11,2						17,	128 - 11	1,424	500 gals 7.5% Ne					
									45100# 1					
28					PR	ODU	CTIO	N						
Date First Producti	ion	Pr	oduction Me	thod (F	lowing, gas lift, pump	ing - St	ze and typ	e pump)	Well Statu	is (Prod. o	Shut-in)			
08/05/2004		F	owing						produc	ing				
Date of Test	Hou	s Tested	Choke Size	;	Prod'n For Test Period	Oil -	- Bbl	1	s - MCF	Water	- Bbl.	Gas - Oil Ratio		
08/13/2004	24		10/64			0			3582	0				
Flow Tubing Press.		ng Pressure	Calculated Hour Rate	24-	Oil - Bbl.		Gas - MC	F 	Water - Bbl.	0	il Gravity	API - (Corr.)		
2950	210				0		3582		0					
29. Disposition of	Gas (Sc	old, used for fue	l, vented, etc)						Test Wit	nessed By			
Sold 30. List Attachmen	its													
Logs, Inclinati														
31 .I hereby certi	fy that	the informati	on shown o	n both	sides of this form a	s true c	and comp	lete to the	best of my k	nowledge	and belief			
Signature	Ne.~	Da (ald r	no-	Printed Name Brenda C	offma	an	Title	Regulatory	/ Analys	t	Date 11/16/2	304	
E-mail Address	, 1	coffman@c	ı y hkenergy d						- •	•				

Jaw Bone State #14

						JU	いしし		WS	W		1 3							
Submit To Appropri Two Copies	ate District (Office				State of Ne	w N	M exico)							orm C-105			
District 1 1625 N. French Dr.,	Hobbs, NM	88240		En	ergy,]	Minerals and	d Na	atural R	lesources		1. WELL	A DY	NO.		Revised	April 3, 2017			
District II 811 S. First St., Arte	•				<u> </u>	1.0	.•	D:			1		NO. 5-43987	,					
District III 1000 Rio Brazos Rd.						l Conservat 20 South St					2. Type of Lease								
District IV			_			Santa Fe, N					STATE FEE FED/INDIAN 3. State Oil & Gas Lease No.								
1220 S. St. Francis I				DECC		ETION RE					J. State On	oc Gas	Lease N	u. ———					
4. Reason for filin		EHON	UK I	KEUC	JIVIPL	ETIONRE	PU	RIAN	D LOG		5. Lease Name or Unit Agreement Name								
	•	RT (Fill i	n boxes	#1 thro	ugh #31	for State and Fed	e well	s only)			JAWBONE STATE 6. Well Number: 001H								
#33; attach this and	URE ATT	ACHME o the C-14	NT (Fil	l in box	es #1 thr	ough #9, #15 Da	ate Ri	g Release	d and #32 an	nd/or									
I . The or combi	OLIO11,					□PLUG BAG					Потиго								
8. Name of Operat		WORKO	VER [DEEP	ENING					VOIR	9. OGRID	01536	53						
MURCHISON OIL & GAS, INC. MAY 1 5 2017 10. Address of Operator											11. Pool name	11	::Id4						
10. Address of Op	725	O DALLA		KWAY,	SUITE	1400 RE	ECE:	IVED			COTTON			V; BONI	E SPRINC	3			
12.Location	Unit Ltr	Sectio		Towns	ship	Range	Lot		Feet from	the	N/S Line	Fee	from the	E/W	Line	County			
Surface:	В	2		25S 26E 2 200						NORTH	167	5	EAS	T	EDDY				
BH:	P	2		25S 26E 16 302							SOUTH	398		EAS	T	EDDY			
13. Date Spudded 02/14/2017	02/26/2017 03/01/2017 04/08/2017										<u> </u>				tions (DF etc.) 338	and RKB, 4 GR			
										ype Electric and Other Logs Rur AMMA RAY									
22. Producing Inte 7,588' - 12,					ttom, Na	ime													
23.						ING REC	OR			tring									
	CASING SIZE WEIGHT LB./FT. DEPTH SET HOLE SIZE CEMENTING RECORD AMOUNT PO									PULLED									
9.625	13.375 54.5 295' 16 228 sx Class C 9.625 36 1922' 12.25 624 sx Class C																		
9.625		40 1994' 12.25 024 \$X Class C																	
5.5			20			12132'			8.5		1913 sx C	lass	C&H						
24.					I INII	ER RECORD				25.	<u> </u>	m IDD	NG REC	ODD					
SIZE	TOP		BOT	том	LIM	SACKS CEMI	ENT	SCREE	N	S12			EPTH SE		PACK	ER SET			
										I		I							
26 P-6	G-to								210 2110		. COTTINE		·						
26. Perforation r 7,588' - 12,					5-48 per	fs/stage, total 72	9		ID, SHOT		ACTURE, CI								
0.4" holes						•			' - 12,100		6,677,430								
											}								
28.	•		<u> </u>						TION		1								
Date First Producti 04/09/2017	юп		Product Flowing		hod (Flo	owing, gas lift, pi	umpin	ıg - Size a	nd type pum	<i>P)</i>	Well Statu Producing	s (Pro	d. or Shu	t-in)					
Date of Test 04/19/2017								Oil - Bl			s - MCF 184	IW	ater - Bb 1,711	i.	Gas - C 1,969	oil Ratio			
Flow Tubing Press.	Casing F			culated :	24-	Oil - Bbl. 1,109			s - MCF 2,184	, 	Water - Bbl. 1,711		Oil Gr 48.6	avity - A	PI - (Cor	r.)			
29. Disposition of Sold	Gas (Sold,	i, used for fuel, vented, etc.) 30. Test Witnessed By																	
31. List Attachmen	nts	<u></u>										L							
32. If a temporary	pit was use	d at the w	ell, attac	ch a plat	with the	location of the	tempo	orary pit.				33. R	ig Relea	se Date:	03/01/20	17 (
34. If an on-site bu	irial was us	ed at the	well, rep	ort the e	xact loc		ite bu	rial:			Lendon					— V			
I hereby certify	that the	informa	ation sh	hown c		Latitude sides of this Printed	forn	is true	and comp	olete	Longitude to the best of	of my	knowle	dge ar	NA nd belief	D83			
Signature	11	19					RC	Cooper	Title V	ice P	resident Op	eratio	ons I	Date 0	5/11/20	17			
E-mail Address	rcoope	r@jdmi	i.com																

Submit To Appropriate District Office Form C-105 Two Copies Revised April 3, 2017 Energy, Minerals and Natural Resources District I 1625 N. French ... Hobbs, NM 88240 1. WELL API NO. District II 30-015-43984 811 S. First St., Artesia, NM 88210 Oil Conservation Division Type of Lease District III 1000 Rio Brazos Rd., Aztec, NM 87410 1220 South St. Francis Dr. **⊠** STATE FEE ☐ FED/INDIAN District IV Santa Fe. NM 87505 3. State Oil & Gas Lease No. 1220 S. St. Francis Dr., Santa Fe, NM 87505 WELL COMPLETION OR RECOMPLETION REPORT AND LOG 5. Lease Name or Unit Agreement Name 4. Reason for filing: JAWBONE STATE COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) 6. Well Number: 002H C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accord 7. Type of Completion: NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER 9. OGRID 015363 8. Name of Operator MAY 1 5 2017 MURCHISON OIL & GAS, INC 11. Pool name or Wildcat 10. Address of Operator COTTONWOOD DRAW; BONE SPRING 7250 DALLAS PARKWAY, SUITE 1400 RECEIVED PLANO, TX 75024 N/S Line County Unit Ltr Township Lot Feet from the Feet from the E/W Line Range 12.Location Section NORTH EDDY 200 1695 EAST **25S** 26E 2 Surface: 332 SOUTH 1899 **EAST EDDY** RH: O **25S** 26E 15 2 17. Elevations (DF and RKB. 14. Date T.D. Reached 15. Date Rig Released 16. Date Completed (Ready to Produce) 13. Date Spudded 02/10/2017 02/12/2017 04/08/2017 RT, GR, etc.) 3383 GR 01/26/2017 20. Was Directional Survey Made? 21. Type Electric and Other Logs Run 19. Plug Back Measured Depth 18. Total Measured Depth of Well **GAMMA RAY** 11,983 22. Producing Interval(s), of this completion - Top, Bottom, Name 7,450' - 11,945' MD - BONE SPRING **CASING RECORD** (Report all strings set in well) 23. CEMENTING RECORD HOLE SIZE AMOUNT PULLED **CASING SIZE** WEIGHT LB./FT. **DEPTH SET** 299 230 sx Class C 16 54.5 13.375 624 sx Class C 9.625 36 1983 12.25 20 11981 8.5 1940 sx Class C&H 5.5 TUBING RECORD LINER RECORD 25 24. SACKS CEMENT | SCREEN SIZE DEPTH SET PACKER SET BOTTOM SIZE TOP 27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC Perforation record (interval, size, and number) 7.450' - 11,945'; 16 stages, 3-4 clusters/stage, 45-48 perfs/stage, total 726 DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED 0.4" holes 7,450' - 11,945' 6,682,671 lbs sand (fracture) **PRODUCTION** 28 Production Method (Flowing, gas lift, pumping - Size and type pump) Date First Production Well Status (Prod. or Shut-in) **Producing** 04/13/2017 Flowing Gas - MCF Gas - Oil Ratio Choke Size Prod'n For Oil - Bbl Water - Bbl. Date of Test Hours Tested 2,745 04/23/2017 40/64 Test Period 24 HR 920 2,299 2,984 Gas - MCF Water - Bbl. Oil Gravity - API - (Corr.) Calculated 24-Oil - Bbl. Flow Tubing Casing Pressure 860 Hour Rate 2,745 2.299 Press 920 48.3 29. Disposition of Gas (Sold, used for fuel, vented, etc.)
Sold 30. Test Witnessed By 31. List Attachments 32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit. 33. Rig Release Date: 02/12/2017 34. If an on-site burial was used at the well, report the exact location of the on-site burial: Longitude NAD83 Latitude I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief Printed Gary R Cooper Title Vice President Operations Name Signature E-mail Address rcooper@jdmii.com



marquard+ Fecural +4

Oil Cons. N.M. DIV-Dist. 2 1301 W. Grand Avenue Artesia, NM 88210

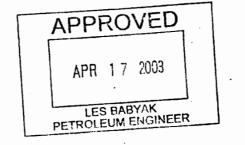
Form 3160-5 ctune 1990)

UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

SUNDRY NOTICES AND REPORTS Do not use this form for proposals to drill or to deepen of Use "APPLICATION FOR PERMIT—" for	or reentry to a different reservoir.	6. If Indian, Allouse or Tribe Name
SUBMIT IN TRIPLICAT	200212	7. If Unit or CA, Agreement Designation
I. Type of Well Oil Gas Well Well Stocher SWD	STIB A CORP.	8. Well Name and No.
2. Name of Operator Chevron USA Inc.	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Marquardt Federal #6
3. Address and Telephone No. 15 Smith Rd. Midland, Texas 79705	PECEIVED BOOK OCD - ARTESIA	30-015-28561 10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) U.L.H. 1980 North 330 West Sec. 1 Township 25S Range 26E	101681954EZV_1680	S. Black River, Dela 11. County or Parish, State Eddy, NM

HER DATA
of Plans
estruction otine Fracturing
hut-Off ion to Injection
Water voults of multiple completion on Well Recompletion Report and Log form.)
hut-Offi ion to I Water

- Set 5 ½ CIBP @ 2300 Spot 25 sxs. plug Tag @ 2068 Displace hole w/MLF 9.5# Brine w/25# gel P/BBL. 1.
- Spot 30 sxs. plug 1975 to 1730 (Delaware, Salt Section) Tag CIRC cmt. 325 to surf w/40 sxs. 3. @ 1689
- 4.
- Install dry hole marker (3/15/02)



3/15/02

Tide 18 U.S.C. Section 1001, makes it a crime for any person know

Form 3160-4 (July 1992)

UNI. _D STATES

SUBMIT IN DUPLICAL.

(Secother in-

FORM APPROVED OMB NO. 1004-0137 Expires: February 28, 1995

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DEPARTMENT OF THE INTERLORED

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		BURE	AU OF LAN	D MANAGEM	ENT				NM-141	24	
WELL CO	MPLE	TION (OR RECON	APLETION	_REPQR]	[·Ab	ですの	G *	6. IF INDIAN.	ALI.OT	TER OR TRIBE NAME
a. TYPE OF WEL	L:	OII. WELL	X CAR L	DRY D	Other	1239	MUSSU		7. I'NIT AGRE	EMENT	NAME
L TYPE OF COM		r:		-	CAR		· · ·				
WELL XX	WORK [DEEL-	DYCK [#00m				8. FARM OR	LEAS	E NAME, WELL NO
. NAME OF OPERAT	OR										deral #6
		.A. In	с.						9. API WELL N		
ADDRESS AND			1 7.0	2200	(015) (30-015-		
P.O. BOX	LIDU -	· MIGIA	nd, IX /	ccordance with a	(915) bi	uiremer	148		10. FIELD AND	, 1002,	OR WILDCAI
At surface 198				•	-					¥ o	R BLOCK AND BURVET
At top prod. Int	erval rep	orted below	,						Sec. 1,	T25	S, R26E
44 444-1 4-44	56051										
At total depth	5625.			14. PERMIT N	<u> </u>	DATE	ISSUED		12. COUNTY O		13. STATE
					.	1	183(20		PARISH	•	
. DATE BPUDDED	16. DAT	E T.D. REAG	CHED 17. DATE	COMPL. (Ready	to prod.)	18. ELE	VATIONA (D	F. RKB. 1	EDDY	19. EI	NM NM
6-29-95	7-7	-95	10-1	19-95			3351'		,		
6-29-95 TOTAL DEPTH, MD	4 170		BACK T.D., MD & T	VD 22. IF MI	TITIFLE COM	PL.,	23. INT		ROTARY TOOL	4	CABLE TOOLS
5625'		5625						->	X		
. PRODUCING INTER	IVAL(8).	OF THIS CO	MPLETION-TOP,	BOTTOM, NAME	(MD AND TVI	•)•				25.	WAS DIRECTIONAL SURVEY MADE
Brushy Car		1,0111	-62621								
Brusny Ca	-										WELL CORED
				2011/2 1- /0-	14/0		11- 1	/ D-			
<u>ithodensit</u>	y/CNL/	GR/Tem		NG RECORD (R				ag ke	sonance		Yes
CASING SIZE/GRADE	WEIG	HT, LB./FT.			IOLE BIZE	1		MENT, CE	MENTING RECORD	 1	AMOUNT PULLED
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5-1/2"		15.5	562		7-7/8		1125	sx CI	C surf		
										.	
						<u>i</u>	1				
. SIZE	TOP (M		NER RECORD	SACKS CEMENT*	SCREEN	/ 451	30.		TUBING RECO		PACKER BRT (MD)
	101 (14	-		BACKS CEMENT	- SCREEN	(=0)	SIZE	-	DEPTH SET (MD	' -	PACKER SEI (II)
	· · · · · · · · · · · · · · · · · · ·									-	
. PERFORATION REC	ORD (Info	erval, size	and number)		82.	A	CID. SHOT	FRACT	URE, CEMENT	SQUE	EZE, ETC.
5386-5450	0				DEPTH	INTERVA	L (MD)	AM	OUNT AND KIND	OF M	ATERIAL USED
5148-5209					5386-	5450					HCL; 20500g
4846-488	7					5000					0 1bs 1b/30 s
					5148-	5209			.s /½% HCL 00# 10/30		6300gals line
•				PR	ODUCTION	4846-	-4887) gals 15%		
TB FIRST PRODUCT	ION	PRODUCT	TON METHOD (FI						WELL S	TATUE	(Producing or
10-18-95			Swal)					shut-		ГА
TE OF TEST	HOURS	TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL-BBI		GAS-MG	CY.	WATER-BBL.	"	AB-OIL BATIO
10-19-95	3		NA_		TR		1 0		75		NA
OW. TUBIKO PROSE.	CYRINO	PRESSURE	CALCULATED 24-HOUR BATE	· ·	GAR 1	-HCF.	1	WATER-		OIL GR	AVITY-API (CORE.)
. DIRPORITION OF G	AR (Fold	used for for	el mented ata	TR		0		60			
I. DIEPUBLTION OF G.	AB (4014,	meta 107 JW	ei, venies, Eic.)						TEST WITHERS	ED ET	
S. LIST OF ATTACHS	HENTE	 -				J. J.	120		<u> </u>		
	-				فتمعون والمستحقق	, x.					
8. I bereby certify	that the	foregoing	and attached inf	ormation is con	oplete and co	rrect a	• determine	ed from	all available re-	cords	
	Q :	9								./-	1/01
SIGNED 2	onxe		ray	_ TITLE T	echnica	l_Ass	sistant		DATE	ت//ـ	1/76

Form 3160-4 (July 199_,

Marquardt Federal #1

UNI	. ∠D	STATES	TIMBUS	IN	DUPLIC

NM OIL CONS COMMISSION

1.	Or	test.	OMB NO. 100 BUS: Webrain DESIGNATION	28.	37 1995	
)	3.	BEA36.	DESIGNATION	AND	SERIAL	×

DATE Aug. 16. 1995

	MACRIT AC	TILE 181	TEDIOD	(See a)	her in- Art.	PER BUCK IN	Pebruary 28, 1995
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BUR	EAU OF LAND	MANAGEME	NI :-	. C . A C D.		NM14124	
	OR RECOM				*	INDIAN. AL	LOTTES OR TRIBS NAME
OII. WELL	. WELL D	DRY	ontipe 13	11 54 JH	7. 13	IT AGREEM	ENT HAMB
TION:			6				
ORK DEEP		DEFF.	Other Z		1. 7	ARM OR L	EASE NAME, WELL NO
					Mar	ouardt	Federal #1
.S.A. INC					9. A	MELL NO.	
LEPHONE NO.							
- Midland	TX 79702	(915) 687-7348	8	10. F	IELD AND P	OOL, OR WILDCAT
(Report location	clearly and in acc	cordance with an	y State requirem	ente)*	Whi	te City	Wolfcamp
) FNL & 16	50 FWL				11. 8	SEC., T., R., Y	., OR SLOCK AND SURVEY
al reported belo	₩				S	ec 1. 3	7255 R26F
					ا ا		•
	,	14 PERMIT NO.	DA	TP 1881'85			13. STATE
			1	12 103(2)		ARISM	1
6. DATE T.D. BE	ACHED 17. DATE	CONTL. (Ready to) prod.) =				NM
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	13. 2	LEVATIONS (DF	, RKB, RT, GE, 1	ETC.)* **	
VD 21. PLUG.	BACK T.B., MD & TY	D 22. IF MUL	TIPLE COMPE.		TALE ROTA	RY TOOLS	3326
11	6171	нож м	AKT.	COEPTED	FOR REC	ngn	1
		DOTTON, NAME (N	D AND TYD		ONTILL	700	25. WAS DIRECTIONAL
			1				SURVET MADE
571' 1	0.195'		ţ		1995		
OTHER LOGS BU	r N			111	/.	27.	AVE METT COFED
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	CASIN	G RECORD (Rep			1 7 7 1 1 1 1	69/A	
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		<u> </u>		T 22			
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			SCREEK (MD)				
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(Interval, size	and number)		1 82.	ACID. SHOT.			
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					3 -	3.47	
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PROF!"	TION METHOD (FIG		impmgeise en	e (ypc of pum))	well sta	IUE (Producing or)
120000	FLOW	ING	OIL-BEL.			PRODU	ICING
		TEST PERIOD	1	GAR-MCF	. WATI	ER-BBL.	
OURS TERTED	CHORS SIEE	ILEI PERIOD	1 7	1 458		1	229 MCF/bbl
	WO CHOKE SIZE	0[[99[.	CAS-MC		VATER	JOH	GRAVITY-API (CORR.)
24	WO CHOES SIZE		GAS-MC	T. 1	VATERNOL.	OIL	. GRAVITY-API (CORR.)
OURS TESTED 24 ASSING PRESSURE	WO CHOER SIRE		1		1	WITNESSED	GRAVITY-API (CORR.)
OURS TESTED 24 ASSING PRESSURE	WO CALCULATED 24-ROUR BATE		1	T. 1	1		GRAVITY-API (CORR.)
OURS TESTED 24 ASSING PRESSURE	WO CALCULATED 24-ROUR BATE		1	T. 1	1		GRAVITY-API (CORR.)
	S.A. INC LEPHONE NO. Midland (Report location) FNL & 16 al reported belo 6. DATE T.D. RE. 70 VB 21. PLUG. 11, 11, 12, 11, 136 26 L NOP (MD) 15 15 16 17 17 18 18 18 18 18 18 18 18	CASIN CA	S.A. INC. CLEPHONE NO.	S.A. INC. CEPHONE NO. PUBB PUB	THE DEEP DEEP DEEP DEEP DEEP DEEP DEEP DE	S. A. INC. S. ELEPHONE NO. Material and the accordance with any State requirements. S. A. INC. S.	### PARM OR L Marquardt S. A. INC. S. A. INC.

TITLE Technical Assistant

More Fed Com #4 N.M. Oil Cons. DIV-Dist. 2 1301 W. Grand Avenue

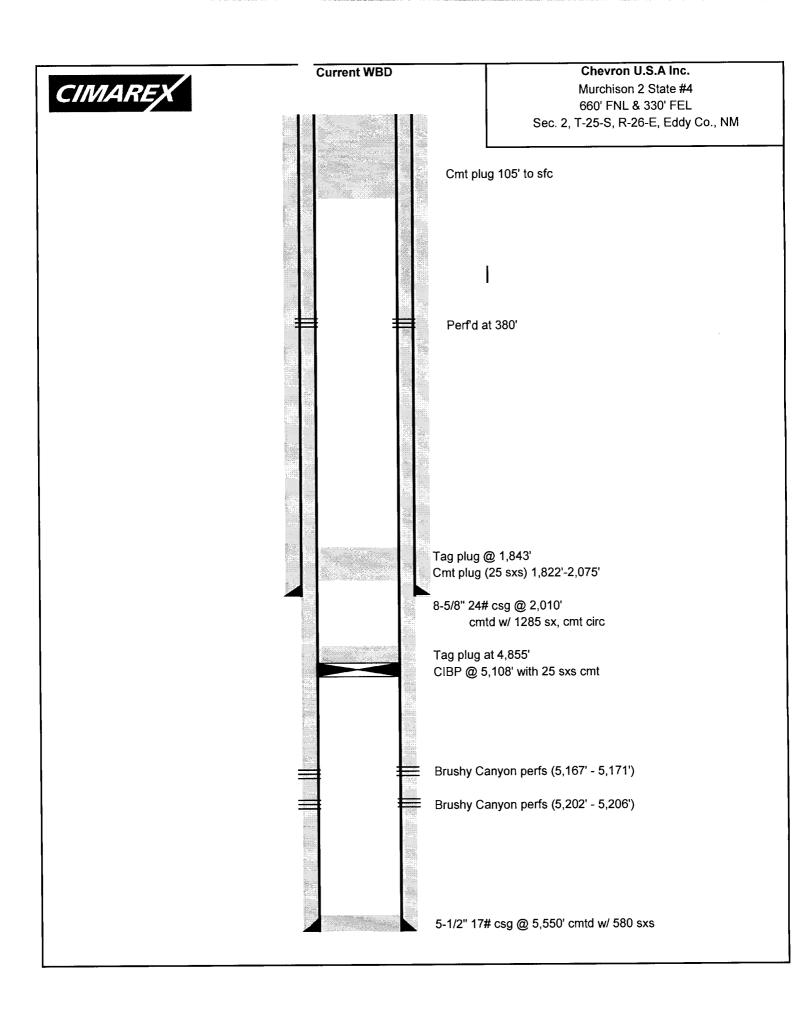
UNITED STATES AMOCIA, NW 88210 Form 3160-4 (April 2004) FORM APPROVED OMBNO. 1004-0137 BUREAU OF LAND MANAGEMENT Expires: March 31, 2007 WELL COMPLETION OR RECOMPLETION REPORT AND LOG Serial No. NM-21158 6. If Indian, Allottee or Tribe Name la. Type of Well Oil Well Gas Well Dry Other New Well Work Over Deepen Plug Back Diff. Resvr., . b. Type of Completion: 7. Unit or CA Agreement Name and No. 2. Name of Operator MURCHISON OIL & GAS, INC. Lease Name and Well No. MOORE FED COM #4 AFI Well No. 3a Phone No. (include area code) 3. Address 1100 MIRA VISTA BLVD. 972-931-0700 30-015-33906 PLANO, TX. 75093-4698 Location of Well (Report location clearly and in accordance with Federal requirements)*
RECEIVEL 10. Field and Pool, or Exploratory WHITE CITY PENN At surface 2580' FNL & 660' FEL SE/NE (H) Sec., T., R., M., on Block and Survey or Area SEC. 35, T24S-R26E OCT 0 5 2005 At top prod, interval reported below OCD-AFTERIO B. State County or Parish **EDDY** NM At total depth 14. Date Spudded 15. Date T.D. Reached 16. Date Completed Elevations (DF, RKB, RT, GL)* 05/04/2005 07/03/2005 D&A 3346 GL Ready to Prod. 20. Depth Bridge Plug Set: 19. Plug Back T.D.: MD 11450 MD 18. Total Depth: MD 11650 11220 TVD TVD TVD Was well cored? No Yes (Subrait analysis)
Was DST run? No Yes (Subrait report) 21. Type Electric & Other Mechanical Logs Run (Submit copy of each) COMPENSATED NEUTRON DENSITY, LATERLOG, GR Directional Survey? No Yes (Submit copy) 23. Casing and Liner Record (Report all strings set in well) No. of Sks. & Type of Cement Stage Cementer Shurry Vol. (BBL) Amount Pulled Wt. (#/ft.) Bottom (MD) Hole Size Size/Grade Top (MD) Cement Top* Depth 17-1/2 13-3/8 68 #/FT 365 600 SXS "H" **79 BBL** SURFACE 665 SXS "C" 85 BBL SURFACE 12-1/4 9-5/8 40 #/FT 1992 915 SXS "H" 7-5/8 334:38 8805 117 BBL 2028' CBL 8-3/4 360 SXS "H" 46 BBL 6-1/2 5-1/2 17 #/FT 8472 11650 24 Tubing Record Depth Set (MD) Packer Depth (MD) Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) | Packer Depth (MD) Size Size 2-7/8 11011 26. Perforation Record 25. Producing Intervals **Formation** Top Bottom Perforated Interval Size No. Holes Perf. Status A) MORROW 11508 11535 11508 - 11535 88 PLUG BACK @ 11502' See 11480 11467 - 11480 52 PLUG BACK @ 11450 MORROW 11467 11327 - 11406 PLUG BACK @ 11220' page add MORROW 11327 11406 104 11230 11240 11230 - 11240 PLUG BACK @ 11220 for addi D MORROW 40 27. Acid, Fracture, Treatme ent, Cement Squeeze, etc. interval. Amount and Type of Material Depth Interval 3500 GAL 7.5% MORROW ACID 11480 - 11327 1500 GAL 7.5% MORROW ACID 11230 - 11240 4000 GAL 10% ACETIC W/ METHANOL 11106 - 11122 28. Production - Interval A Production Method ACCEPTED FOR RECORD Oil Gravity Corr. API Date First Tes Test Produ Water BBL Oil BBL Gas MCF Genvity Produced SWAR 70 08/18/2005 84/16/2005 12 Tbg. Pre Flwg. Gas/Oil Ratio Oil BBL Gas MCF Well Status Chole Cag. 24 Hr. OCT - 4Rate St 28a. Production - Interval B Date First Produced Test Date Oil Gravity Corr. API Production Method Gas MCF Water BBL Gas Generally LES BABYAK BBL 54 SWAR PETROLEUM ENGINEER 00/11/2005 00/11/2005 12 Gas/Oil Well Status Chalco Thg. Pros Flwg. Ges Cag. Press 24 Hr. Water BBL Oil BBL Ratio Rate Size SI

*(See instructions and spaces for additional data on page 2)

28h Produ	uction - Inte	rval C									-
Date First	Test Date	Hours	Test	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method		 See pa
Produced VER/2005	08/18/2005	Tested 24	Production	BBL	193	o BBL	COE. API	.65	FLOWING		added
Choke	Tog. Press.	Cag.	24 Hr.	Oil BBL	Gas MCF	Water	GM/Oil	Well Status			-additi
ize 2/64	Flwg. SI 246	Press.	Rate	BBL	MC.r 193	BBL	Ratio]	TEMPORARY PLUG BACK		interv
	uction - Int	erval D		<u> </u>	+		+				_
ate First	Test Date	Hours Tested	Test Production	Oil	Gas MCF	Water BBL	Oil Gravity	Gas	Production Method		_
726/2005	08/26/2005	2	Production	BBL	597	0	Corr. API	Gravity .45	FLOWING		
holte	Tbg. Press.	Cag.	24 Hr.	Oil	Gas	Water	Gas/Oil	Well Status			_
ize IA	Plwg. SI 35	Pross.	Rue	BBL	MCF 42	BBL	Ratio		TEMPORARY PLUG BACK		
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	-		(Include Aq		te themofi	Cond interm	مدده الخال المام المام	1	on (Log) Markers		
tests,	including of	ant zones lepth inter	ral tested, cu	nna conten shion used,	time tool o	pen, flowing	ıls and all drill-ster and shut-in pressure	s			
and r	ecoveries.										_
Form	nation	Тор	Bottom		Desc	riptions, Cont	ents, etc.		Name	Тор	_
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Indicate	e which itm	es have be	en attached l	by placing	a check in t	he appropriate	boxes:				
☑ Elec	arical/Mech	anical Log	s (1 full set	req'd.)	☐ Ge	ologic Report	DST Report	Directional	Survey		
Sunc	dry Notice i	for pluggin	g and cemen	t venificatio	na 🔲 Co	re Analysis	Other:				
											:
I hereby	y certify tha	t the foreg	oing and atta	ched infor	nation is co	mplete and ∞	rrect as determined	from all availabl	e records (see attached instructi	ons)*	
Name (p	lease print)	MICH	AEL S. DA	UGHER	TY		Title VPC	PERATIONS			
	m/1	1	1/1	. 7	#		_				
	///	AMA 1	110/6	Waks	Uhi		Date 09/21/2	005		•	
Signatur	"										
	77.	~		\int	7_				lly to make to any department		

Page added for additional Interval E

	Form 3160-4 (April 2009) DEPARTMENT OF THE INTERIOR DUREAU OF LAND MANAGEMENT FORM APPROVED OMB NO. 1004-0137 Expires: March 31, 2007																			
	W	ELL CO	OMPLE	ETION (OR I	RECOM	PLE	TION	REPO	RT AN	ID LO	OG			:	. Les	se Seri	al No.		
• • •	e of Well e of Compl	_		Gas Woll		Dry [] Work Ove		_	n 🔲 P	lug Back]Diff.	Resvr,		7					Tribe Name
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	ation of Wo urface	ell (<i>Repor</i> i	t locutio n	clearly and	i in ac	cordance v	vith F	ederal	requireme	"" A E	CE		ĒŪ							oloratory
At top prod. interval reported below OCT 0 5 2005 11. Sec., T., R., M., on Block a Survey or Area																				
At to	otal depth									~	ECI	,	400	1724	12.	Cou	nty or P	Parish		B. State
14. Date	Spudded		15.	Date T.D.	Reach	ned			16. Date (eady t	o Prod	L	17.	Elev	ations ((DF, I	RKB,	RT, GL)*
18. Tota	l Depth:	MD TVD			19. P	hig Back T.		MD TVD						ge Plug	Set:	M. TV				"
21. Туре	e Electric	& Other N	dechanic	al Logs Ru	ın (Su	bmit copy	of ca	ch)			22.	Was	well co DST n			No L No [Yes	(Sub	mit r	nalysis) sport) it copy)
23. Casi	ng and Li	ner Reco	rd (Repo	ort all stri	ngs s	et in well)		Stage	Camantar	l No.	£CL-	•	C1	37.1						
Hole Siz	e Size/G	rade W	/t. (#/ft.)	Top (M	op (MD) Bottom (MD) Stage Cementer No. of Sks. & Shury Vo. Depth Type of Cement (BBL)								1	Ceme	nt Top*	·	_^	mount Pulled		
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		_					_								+	_		_		•
	+-			 	-							\dashv			+			-		
24 Tubis	ng Record																			
Size	Dept	h Set (MI) Packe	r Depth (M	ID)	Size		Depth	Set (MD)	Packer .	Depth	(MD)		Size		Dept	h Set (N	(G	Pa	ker Depth (MD
25. Produ	icing Interv	/als					-	26.	Perforation	Record			l						L	
-	Pormatio			Тор	I	Bottom		P	erforated .	nterval		1 8	Size	No	. Ho	les		P	erf. S	tatus
E <u>MO</u>	RROW			11106	1	1122		11106	- 11122			\vdash		64			SH	UT -	IN	
			-		+		\dashv					-		-			┼			
			Cement S	queeze, etc							17.									
	Depth Inter	.Val							A	mount ar	и гур	e oi M	18(6(18)	L						
			-				-		• · · · · · ·											
28. Produ	ection - Inte	rval F																		
Date First Produced	Test Date	Hours Tested	Test Produc	hon BBL		Gas MCF 574	Wah BBI	et .	Oil Grav Corr. AF	ity 1	Gr Gr	revity	1	Production FLOW!		thod				
Choke Size	99/15/2005 Tbg. Pross. Flwg.	Cag. Press.	24 Hr. Rato	Oil BBL	\neg	Gas MCF	Wat		Gas/Oil Ratio		_	ll Statu	•							
32/64	SI 558	9	<u> </u>	> 0		3444	0				<u> </u>			SHUT-I	Y W	AITING	ON PIP	ELIN	E	
28a. Prode	uction - Int	erval B Hours	Tosi	Oil	Т	Gas	Wate	f	Oil Gravi	h	Gas		-15	roduction	Me	thod				
Produced	Date	Tosted	Producti	on BBL		MCF	BBL		Coer. AP		Gerv	rity			- 41					
Choke Size	Tog. Press. Flwg. SI	Cag. Press.	24 Hr. Rate	Oil BBL		Ges MCF	Wate BBL		Gas/Oil Ratio		Wdl	States								
*(See inst	tructions a	nd spaces	for addit	ional data	on pag	ze 2)	L													



Submit 3 Copies

State of New Mexico

to Appropriate District Office	Energy, Minerals and Natural R	esources Department	Revised 1-1-89
DISTRICT I P.O. Box 1980, Hobbs NM 88241-1980	OIL CONSERVATIO 2040 Pacheco		WELL API NO.
DISTRICT II	Santa Fe, NM S	87505	30-015-28602 5. Indicate Type of Lease
P.O. Drawer DD, Artesia, NM 88210			STATE X FEE
DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410		<u> </u>	6. State Oil & Gas Lease No.
	ICES AND REPORTS ON WELI		
DIFFERENT RESER	OPOSALS TO DRILL OR TO DEEPEN OF RVOIR. USE "APPLICATION FOR PERI 101) FOR SUCH PROPOSALS.)	DR PLUG BACK TO A MITTRECEIVEU vrb _LETESTA	7. Lease Name or Unit Agreement Name
1. Type of Well: Oil GAS WELL	OTHER	;	MURCHISON 2 STATE
2. Name of Operator			8. Well No.
Chevron U.S.A. Inc.			4
3. Address of Operator P.O. Box 1150. Midland, TX	79702		9. Pool name or Wildcat BLACK RIVER: DELAWARE, SOUTH
4. Well Location Unit Letter A : 660		Line and 33	
2	arc	265	EDDA
Section 2	Township 25S Ra 10. Elevation (Show whether		NMPM EDDY County
•	propriate Box to Indicate	1	
NOTICE OF IN	ITENTION TO:	SUB	SEQUENT 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		CASING TEST AND CE	
	П		
OTHER:		OTHER:	
 Describe Proposed or Completed Operarich SEE RULE 1103. 	tations (Clearly state all pertinent deta	ails, and give pertinent dat	tes, including estimated date of starting any proposed
	OLE W/SALT GEL BRINE. SPOTT CMT @ 1843'. PERFD @ 380' ER.		
P&A'D 8/5/99			
			Post ID-2 9-3-99 f+A
I hereby certify that the information above is to	//	E REGULATORY O.A.	DATE 8/24/99
TYPE OR PRINT NAME J. K. RIPLEY		T	TELEPHONE NO. (915)687-7148
(This space for State Use)	2		
APPROVED BY	TITI	E the hay	DATE 10-15-99
CONDITIONS OF APPROVAL, IF APPL			

Form C-105 B V	۷ ^۱ آر
(2) 11 1	

Submit to Appropriate District Office State Lease — 6 copies		Energ	sy, Minerals	and Natur			partme					C-105 13 1
Fee Lease — 5 copies DISTRICT I		OII	L CONS	ERVA	TION	DIVI	SIO	N W	ELL APIN			Ø
P.O. Box 1980, Hobbs, N	M 88240	V -		P.O. Box	2088					ype of Lease		\$
DISTRICT II P.O. Drawer DD, Artesia	, NM 88210		Santa Fe,	New Mex	tico 87	504-208	38	_		ST	ATE X	FEE
DISTRICT III 1000 Rio Brezos R4., Az	sc, NM 87410							•	L6921	& Gas Lease N	lO.	
	OMPLETION	OR R	ECOMPLE	TION RE	PORT	AND LO	G					
ia. Type of Well: OIL WELL X	GAS WE	щΠ	DRY [OTHER					Lease Na	ne or Unit Ag	oceneat N	ame
_			_					• /	Murchi	son 2 St	ate	
b. Type of Completion: NEW WORK WILL X OVER	Deserve	☐ MA		RESVR 01	1 1 22						_	
2. Name of Operator			==	- 4 .	F.	1 -	•		. Well No.			
DALEN Resour Address of Operator	ces oil	Gas	Co. MS	EKCN 4	The		¥ <u>C,</u>	9.		or Wildcat	Bluc	K River
6688 N. Cent	ral Expw	Su	ite 1000). Dalla	s. TX	7520	6	. _	P.L.;D	elaware	plow	are Sauth
4. Well Location												,
Unit Letter	<u>A</u> : <u>66</u>	O Fe	et Prom The	Nor	th	Line z	ad	330	Feet	From The	East	Lin
Section	2	To	waship 2	.5s	Range	26	F	NM	M	Eddy		County
	1. Date T.D. Re			ompl. (Ready t					RKB, RT, C	2007	4. Elev. (Casinghoad
08/18/95	08/29			• •				3382'				
15. Total Depth 5,550	16. Plug	Back T.D. 5,509		17. If Multiple Many Zon	Compl.	How	18. Im Dr	ervals illed By	Rotary To	•	Cable Too	ak
19. Producing Interval(s), 5, 167' - 5, 1	of this completi	on - Top,	Bottom, Name	- Brush	v Can	VOD				20. Was Direc	tional Sur	vey Made
21. Type Electric and Ob		202	3,200	Drusk	y dan	you			22. Was W			
Compensated Ne	utron Li	thoDen	sity GR/	Array I	nduct	ion GR	R/AMS	/CBL		Yes		·····
23.		C	ASING R	ECORD	(Repor	rt all str	ings s	et in w	ell)			
CASING SIZE	WEIGHT		DEPT	'H SET	HC	LE SIZE		CEM	ENTING	RECORD	AMO	OUNT PULLE
8-5/8"		4#	2,010' 5,550'			12-1/4" 7-7/8"		1285sx			0	
5-1/2"	1	7#	·	,550		-//8			80sx			0
<u> </u>			 				_					
24.			VER RECO	7				25.		JBING REC		
SIZE	TOP		MOTTOM	SACKS CE	MENT	SCRE	EN	2-	stze -3/8"	DEPTH 511		PACKER SE NA
-			· · · · · · · · · · · · · · · · · · ·	551604	-35.0	^						
26. Perforation reco			number);	REUM	其門							EEZE, ETC.
5202' - 520		2 SPF		9 Hole	s		2-06			als 15%		
5167' - 517	71.	2 SPE		y note		C5 516				als 15%		
					9 1 13 				45636	gal 35#	gel +	
28.			()	PRODU	CTIO	Name			15/30	Ottawa S		
Date First Production			tion Method (vgi 4.58± ¥/4	d type p	ыңр)			•	or Shud-in)
09/23/95 Date of Test	Hours Tested		vabbing/] Choke Sime	Flowing Produce	*	ii - BbL		Ges - MC	F	Water - Bbl.	t-In	Gas - Oil Ratio
09/23/95	13-	- 1	40/64"	Test Peri		20		TSTM		150		NA
Flow Tubing Press.	Casing Press		Calculated 24 Hour Rate	- Oil - Bbl.		Gas - N		Wate	er - Bbl		ity - API	· (Corr.)
150	0			35.	5	TS	MTS	19	956		.5	
29. Disposition of Gas (S			tic.)						104	Witnessed By		
Vented duri	ine testí	ne										

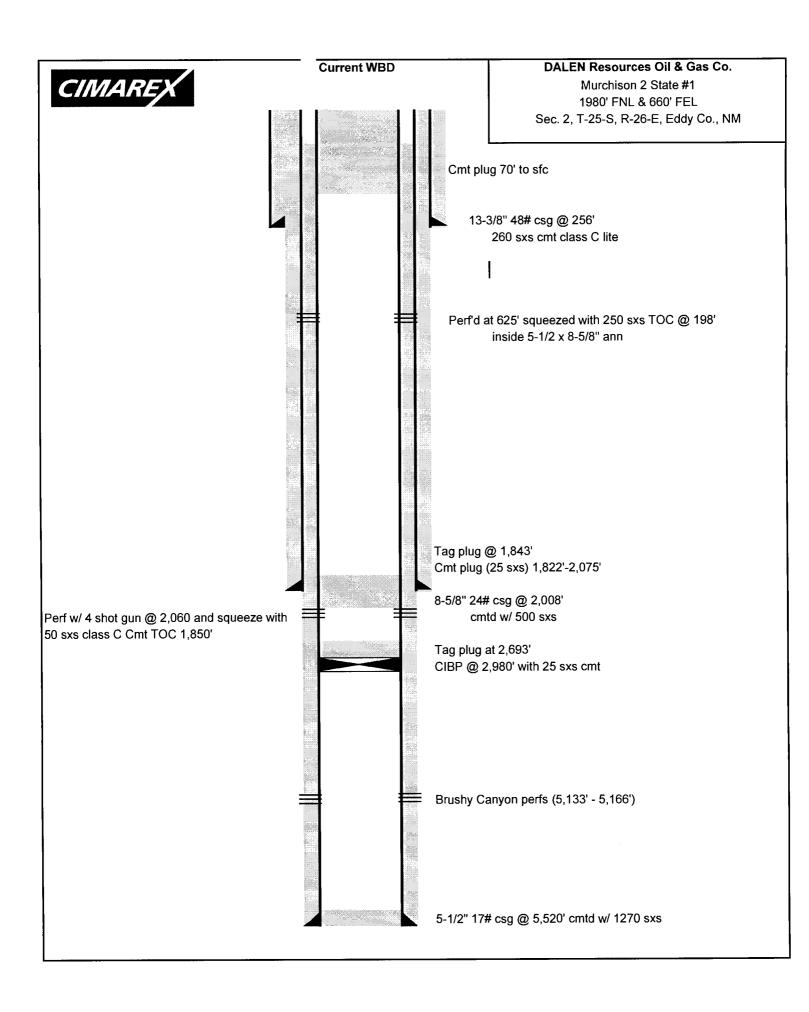
31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature

30. List Attachments

Printed Name Cindy R. Keister

Regulatory
Title Compliance Spec. Date 11/16/95



murchison 2 State #1

Jan 13 05 11:29a	Sunset Well Servi	ce 4	325618601	scoupaed
Submit 3 Copies To Appropriate District	State of New Me	xico		F02/02/0
Office District I	Energy, Minerals and Natu			Revised March 25, 1999
1625 N. French Dr., Hobbs, NM 88240			WELL API NO.	
District II 811 South First, Artesia, NM 88210	OIL CONSERVATION	DIVISION	30-015-282 5. Indicate Type of	
District III	2040 South Paci	heco	STATE E	l l
1000 Rio Bruzos Rd., Aztec, NM 87410 District IV	Santa Fe, NM 8	7505	6. State Oil & G	
2040 South Pacheco, Santa Fe, NM 87505				1
	CES AND REPORTS ON WELLS		7. Lease Name or	Unit Agreement Name:
(DO NOT USE THIS FORM FOR PROPOS DIFFERENT RESERVOIR. USE "APPLIC PROPOSALS.)			Murchision	2 State RECEIVEL
I. Type of Well:				NOV 1 5 2005
	Other		8. Well No.	CODMITTE
2. Name of Operator Chevron USA, Inc.			o. Well No.	
3. Address of Operator			9. Pool name or V	Vildcat
15 Smith Rd. Midland,	Tx. 79705		Black River,	Delaware South
4. Well Location				
Unit Letter H :	1980 feet from the Nort	h line and	660 feet from	m the East line
	1700		000	Lastmic
Section 2	Township 25-S R		NMPM	County Eddy
	10. Elevation (Show whether D	R, RKB, RT, GR, e	(c.)	
11 Check A	Appropriate Box to Indicate N	ature of Notice	Report or Other	Data
NOTICE OF IN			SEQUENT RE	
PERFORM REMEDIAL WORK		REMEDIAL WOR		ALTERING CASING
				51116 4116
TEMPORARILY ABANDON	CHANGE PLANS	COMMENCE DE	RILLING OPNS.	PLUG AND ABANDONMENT
PULL OR ALTER CASING	MULTIPLE	CASING TEST A	AND 🗆	ADAROGRAMENT
	COMPLETION	CEMENT JOB		
OTHER:		OTHER:		
12. Describe proposed or complet				
of starting any proposed work) or recompilation.). SEE RULE 1103. For Multiple	Completions: Atta	ch wellbore diagram	of proposed completion
1. MI & RU Plugging E	Squipment. 8-29-03.			
2. Set 51 CIBP @2980'	'. Circ. w/65 BBL MLF 29	80-Surf. Spot	25 sx Class C	Cmt @2980'.
Tag Toc @2693'. 9-		01 0 0 -		0.0501 0 0 0
4. Perf. w/4-Shot Gur	n @2060'. Squeezed 50sx n @625'. Squeezed 250sx	Class C Cmt.	9-2-03. Tag To	@Parfs up
5 1/2 x 8 5/8 Ann.	. & 8 5/8 x 13 3/8 Ann.	9-3-03. Tag T	oc @198'. 9-4-	03.
Spot 10sx Class C	Cmt 70'- Surface 9-4-03	. Tag Toc @ S	urface. 9-5-03	. P & A Complete.
Install Dry Hole N	farker. 9-05-03.			
I hereby certify that the information	n above is true and complete to the	best of my knowle	edge and belief.	
1/201	<i>'</i> .	•		9503
SIGNATURE //	TITLE	MANAGE	<u> </u>	DATE_ <u>9-5-03</u>
Type or print name Jimmy	BAGLEN		Teler	phone No.432 562-8600
(This space for State use)	2000			MOV 16 2003
· · · · · · · · · · · · · · · · · · ·	/ ''''			•••
APPPROVED BY	TITLE	Field Sup	ervisor	DATE
Conditions of approval, if any:	-			

Submit to Appropriate District Office State Lease — 6 copies For Lease — 5 copies DISTRICT I

State of New Mexico Energy, Minerals and Natural Resources Department

CISIM
PTIM.
BOJ
C+ 1291

Form C-105 **Revised 1-1-89**

OIL CONSERVATION DIVISION

6. State Oil & Ges Lease No.	
STATE X	FEE 🔝
5. Indicate Type of Lesse	
30-015-28288	
WELL API NO. 8	

P.O. Box 1980, Hobbs,	NM 88240	U	THE COINS	P.O. Bo			ION	30-015	-28288				
DISTRICT II P.O. Drawer DD, Artesi	a NIM 8821/	.	Santa Fe			7504-2088		5. Indicate 7	ype of Lease STA	TE X	FEE [
DISTRICT III	4,1111 00211	•	. ~	-				6. State Oil	& Gas Lesse N				
1000 Rio Brazos Rd., A	ztec, NM 87	410		· 1		······································		L692	1				
	OMPLET	ION OF	RECOMPLI	ETION RE	PORT	AND LOG							
1a. Type of Well: OIL WELL X] GAS	WELL [DRY 🗌	OTHER _				7. Lease Na	me or Unit Agn	betnest N	LETTIO		
			,					Murch	ison 2 St		• •		
b. Type of Completion NEW WORK WELL OVER	: 	м П i	MACK []	DEFF RESVA C	加速								
2. Name of Operator		<u>" LJ '</u>						8. Well No.					
DALEN Resour		& Gas	Co.					1					
3. Address of Operator		_						9. Pool sam					
6688 N. Cent	ral Exp	му., S	uite 1000,	Dallas	, TX	75206			at - Orac				
	<u>H</u> :	1980	Feet From The	North		Line and	660	The contract of the contract o	Proce The	Eas	ti-		
Section	2		Township	25S ·	Range	26	E N	MPM	A99-3	7005	County		
	11. Date T.D	. Reached		ompl. (Ready	to Prod.)	13. I	levations (D	F& RKB, RT, C	iR, etc.) 1	4. Elev. C	asinghead		
01/20/95	02/08			3/05/95			3343	· Full	. CC.	وفيات أ	447		
15. Total Depth	16. P	tug Back 1	r.d.	17. If Multip Many Zo	le Compl. nos?	How	18. Intervals Drilled B	y Robert To	# Och	Cable Too	18 W. C.		
8631 * 19. Producing Interval(s	of this com	5270		<u> </u>		L		X	20. Was Direct				
5,133' - 5,		-							No		, vy		
21. Type Electric and O								22. Was Well Cored					
DIL/Compensa			igital Arr	ay Acco	ustic	Gamma 1	Ray	Yes					
23.			CASING R	ECORD	(Repo	nt all strin	ngs set in	well)					
CASING SIZE	WEIG	HT LB/	FT. DEP	TH SET	Н	OLE SIZE	CI	MENTING I	RECORD	AMO	DUNT PULL		
13-3/8"		48		256'		7-1/2"		lsx Class "C" 0 Osx Pace Lite "C" + 0					
8-5/8"		24		2008	 	2-1/4"	100	x Pace I x Class	licii	#			
5-1/2"		17		5520 '		7-7/8"		x Super		1			
							800	Osx Super "C"					
24.			LINER RECC			0.000	25. TUBING RECORD EEN SIZE DEPTH SET						
STZE	TOP		BOTTOM	\$ACKS C	EMENT SCREEN			<u>stze</u> !-7/8"	5074		PACKER SE		
									7074				
26. Perforation rec	ord (interv	al, size, a	and number)						E, CEMEN				
F 1221 F	1661	•	SPF	67 W-1			NTERVAL		UNT AND KIN	D MATE	RIAL USED		
5,13 3' - 5	67 Holes See Attachme			tachmer	<u> </u>								
28.				PRODI									
Date Pirst Production		Pro	oduction Method (lift, pumpi	ing - Sise and	()pe pump)		1	-	or Shut-in)		
03/17/95 Date of Test	Hours Te		Flowi	Prod's I	Por	Oil - Bbl.	Ges - I	ACF	Water - Bbl.	od	Gas - Oil Ratio		
03/29/95	24		16	Test Pe		115	64.		70		507		
Flow Tubing Press.	Caring P	reasure	Calculated 24	4- Oil - Bi	ol.	Gas - Mi	OF V	ater - BbL	Oil Gravi	ty - API -	(Corr.)		
1350			Hour Rate	11	15	6	45	70		.2			
29. Disposition of Gas (ed, etc.)					Test V	Vitnessed By				
Vented duri	ng testi	ng											
30. List Attachments		,											
31. I hereby certify th	at the inform	nation sho	own on both side	es of this for	m is true	and comple	se so the bes	t of my know	ledge and beli	q			
,	/ //	<i>J.</i>	1/ - / -	Dulmand									
Signature	initu !	2.2	issile	Name C	indy I	R. Keist	erT	ide Supvr.	Regulat	oryDate	03/31/95		

					Dado		8t	71.4	p –	7+	+	/	γ			
Submit To Appropri		ct Office			State of Ne	w N	1exic	0		٦			/		F	orm C-105
District I 1625 N. French Dr.	•	IM 88240	En	ergy,	Minerals and	d Na	itural l	Reso	urces	-	1. WELL	API 1	NO.			July 17, 200
District II 1301-W. Grand Av	enue, Arte	sia, NM 88210		Oi	l Conservat	ion	rie) ite i s	aion.	11/15				30-015	-4069	6	
District III 1000 Río Brazos R	d., Aztec, 1	NM 87410		12:	20 South St	Fr	ancis	Dr.	IVE	Ч	2. Type of L		FEE		FED/INI	NAN
District IV 1220 S. St. Francis	Dr., Santa	Fe, NM 87505			Santa Fe, N				8 2013	1	3. State Oil &				CD/INL	217.14
			R RECO		ETION REI							, make	No. of the	73.11 M	- N	
4. Reason for fil	ing:				-	N	MO	CD	ARTE	S	Lease Nam				ame	
☑ COMPLET		•		_			-			ŀ	6. Well Numb		7H	ten News		
#33; attach this a 7. Type of Comp	nd the pla								#32 and/	or					0 8 20	
New Nex	WELL [] WORKOVE	R 🔲 DEEP	ENING	PLUGBACK		DIFFER	RENT	RESERV	OIR	OTHER		NM	000 <u>0</u>	,841.1 -	ESIA
Name of Opera MURCHISON		AS INC	•								9. OGRID 15363					
10. Address of O 1100 MIRA V	perator		TX 75093							7	11. Pool name BLACK R			/ARE, S	OUTH	
12.Location	Unit Ltr	Section	Town	ship	Range	Lot		Fe	et from th	c	N/S Line	Feet	from the	E/W	Line	County
Surface:	A	2	258		26E		····	35			N	175		E		EDDY
BH:	D	2 .	258		26E			41	15	\dashv	N	1786	5	w		EDDY
13. Date Spudder	d 14. D	ate T.D. Reach	ed 15. 1	Date Rig	Released			16. Da	te Comple	ted	(Ready to Proc	luce)	1	7. Eleva	tions (D	Fand RKB,
10/12/12		0/19/12		0/20/1				20 111			1/2013					83' GR
18. Total Measur 5055'	ea Depin	or well	19.1	Plug Bac	k Measured Dep	าเท	1		ES Direction	onai	Survey Made			mma R		ther Logs Run
22. Producing Int 2377' MD		of this complet 3' MD Rams		ttom, Na	ime		.									
23.				CAS	ING REC	ORI	D (Re	port	all str	ing	s set in w	ell)				
CASING SI		WEIGHT			DEPTH SET	\dashv	1	HOLE			CEMENTIN			A	MOUNT	PULLED
9.625" 7"		20			377' 2,280'	-		12.2 8.7			445 sx 616 sx					
			<u></u>			\dashv		0.7			010 3	CE	- 			
										_			10.7.7.0			
SIZE	TOP		воттом	LIN	ER RECORD SACKS CEME	ENT	SCRE	EN		25. SIZ			VG REC		LPACK	ER SET
4.5		' MD	3855' MI)	0110110 00111		3000			2.8			069'	<u>. </u>	1.7.0	
26. Perforation	record (i	nterval, size, ar	d number)						SHOT, I TERVAL	₹R.A	AMOUNT A					
2,377' TO 3,	783' 8 9	STAGE OPE	N HOLE	SYSTI	EM				33, MD		606,448 lb					
28.						PR	ODU	СТТ	ON		L			******		
Date First Produc	tion	Pr	oduction Met	hod (Fla	nving, gas lift, pu	ımpin	g - Size	and ty	~		Well Status		l. or Shut	-in)		
02/26/2013 Date of Test	Hours	Tested PC	P Pump #LH Choke Size		Stator 18.84', Ro	otor 19	9', 40 H Oil - E			Ġas	PRODUCI - MCF		ter - Bbl		Gae -	Oil Ratio
03/05/2013		24	0		Test Period 2	4hr	40			52	2		513		130	00
Flow Tubing Press. 200	Casin	g Pressure 25	Calculated Hour Rate	24-	Oil - Bbl. 40		G	as - M 52	CF		Vater - Bbl. 513		Oil Gra 43.4	wity - A	.PI - <i>(Co</i>	rr.)
29. Disposition of Flare	FGas (So	ld, used for fue	, vented, etc.,)								30. T	est Witne	essed By	,	
31. List Attachme GAMMA RA			,					-					····			
32. If a temporary	pit was i	used at the well	, attach a plat	with the	location of the	tempo	orary pit									
33. If an on-site b Currently drying					ation of the on-si	ite bu	rial:		Longitue	de		NI A	D 1983			
I hereby certif	by that th	pe informati	gh showh o	1-	sides of this printed				comple	te t	. "	f my	knowle		d belie	f
Signature // E-mail Address	Neho		MUM		Name: Michae	el S.	Daugh	nerty	Title	e:	COO Date	e: 3	/7/13		9	Con

							DAD	0 M	(St	ato S	81-	+	•				
Submit To Appropri	ate Distric	t Office				5	State of Ne	w Me	xic	0			•					rm C-105
District I. 1625 N. French Dr.,	Hobbs N	M 88741	n		Energy, Minerals and Natural Resources					-	1 WELL	A DI	NO			luly 17, 2008		
District II											1. WELL	API	NO. 30-015	-40793	}			
District_III	1301 W. Grand Avenue, Artesia, NM 88210 District III 1301 W. Grand Avenue, Artesia, NM 88210 District III					-	2. Type of Lease											
1000 Rio Brazos Rd., Aztec, NM 87410 1220 South St. Francis Dr.					-	STATE FEE FED/INDIAN 3. State Oil & Gas Lease No.												
DISTRICT V 1220 S. St. Francis Dr., Santa Fe, NM 87505 Santa Fe, NM 87505 3. State Oil & Gas Lease No. WELL COMPLETION OR RECOMPLETION REPORT AND LOG							্বস্থার সমূর্য											
4. Reason for filin		LEII	ONO	N N	ECO	IVIPLI	E HON KE	·	Δ	ND.	LOG	\dashv	5. Lease Name				me	
☑ COMPLETIO	ON REP	ORT (Fill in bo	xes#	1 throu	gh #31 f	for State and Fee	e wells or	nly)			-	6. Well Numb				CE	VED
C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)								NO.	OV 26	2012								
7. Type of Compl	etion: /ELL [] wor	RKOVEF	2 □	DEEPE	NÍNG	□PLUGBACK	(DII	FFEF	REN	T RESERV	OIR	OTHER		11	OMN	CD A	RTESIA
8. Name of Operat		AC DA	<u> </u>										9. OGRID 15363					
MURCHISON (10. Address of Op 1100 MIRA VI	crator			X 75	5093								11. Pool name BLACK RI			ARE, S	ОИТН	
12.Location	Unit Ltr	S	ection	\neg	Towns	nip	Range	Lot		٦	Feet from th	he	N/S Line	Fee	t from the	E/W I	Line	County
Surface:	Α .	2		1	25S		26E				1175		N	350)	Е		EDDY
вн:	P	2			25S		26E				354	T	S	357	,	Е		EDDY
13. Date Spudded 10/21/12	11	/06/1		ed be	1	1/07/13					1	1/1	eted (Ready to Produce) 17. Elevations (DF and RKB, 1/14/12 RT, GR, etc.) 3362' GR			52' GR		
18. Total Measure 11,176'	d Depth	of Wel	1		19. P	lug Bac	k Measured Dep	oth		20.	Was Directi YES	ional	Survey Made?)		e Electr mma Ra		her Logs Run
22. Producing Inte			completion			tom, Na	me .								,		-	
23.						CAS	ING REC	ORD	(Re	epo	ort all str	ing	s set in w	ell)				
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Date of Test 11/19/2012		s Tested 22		0			Prod'n For Test Period		Oil - 10	0	1		- MCF 20		738		200	
Flow Tubing Press. 220	Iow Tubing ress. Casing Pressure Calculated 24- Oil - Bbl. Gas - MCF Water - Bbl. Oil Gravity - AP! - (Corr.) Hour Rate 11 22 805 42.2					r.)												
29. Disposition of Gas (Sold, used for fuel, vented, etc.) Flare 30. Test Witnessed By																		
31. List Attachme GAMMA RA																		
32. If a temporary	pit was	used at	the well,	, attac	h a plat	with the	e location of the	tempora	ry pi	it.						*		
33. If an on-site b Currently drying	urial was cuttings;	used a on-site	t the wel	l, repo	ort the e	xact loc ted.	ation of the on-s	site buria	il:		Longitu	ude		N	AD 1983			
I hereby certif	y that t	he inf	ormatic	on sh	own c	n both I		form is	s tri	ue a	and compl	ete		f my	knowle	dge an		
Signature		X	U	<u>人</u>	ノ			el Stoc	kfo	rd	·Title:	Ďri	illing Manag	ger	Date: 1	1/20/1	2	
E-mail Address	si jsto	ckfore	d@jdm	ii.co	m			V 1	,						Λ.	///	,	

* See attached for BHL's

SNEW

Ogden State Com # 2 Horn Com 10-1-78

STATE OF NE) GCC	(01000				•	Revise	ed 10-1-78
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NALCO Champion

An Ecolab Company

Water Analysis Report

Attention:Brendan.McCalpin@nalco.com

Sample ID: A107942

Location Code: 320645

Login Batch: 170213093534 GC

Collection Date: 02/10/2017

Receive Date: 02/13/2017

Report Date: 02/13/2017

Customer: Cimarex (150248965)

Region: Delware Basin

Location: White City

System: Production System

Equipment: Davinci 7 Fed Com 2H

Lab ID: ABU-1031

Sample Point: Separator

Analyses	Result	Unit
Dissolved CO2	430	mg/L
Dissolved H2S	0	mg/L
рН	6.4	
Pressure	120	psi
Temperature	78	۰F

Analyses	Result	Unit
Bicarbonate	170.8	mg/L
Conductivity (Calculated)	386731	μS - cm3
Ionic Strength	4.41	
Resistivity	0.026	ohms - m
Specific Gravity	1.141	
Total Dissolved Solids	247559.6	mg/L

Cations	Result	Unit
Iron	50.22	mg/L
Manganese	1.561	mg/L
Barium	3.094	mg/L
Strontium	1502	mg/L
Calcium	7502	mg/L
Magnesium	1068	mg/L
Sodium	86320.89	mg/L

Anions	Result	Unit
CHLORIDE	150566.05	mg/L
SULFATE	375	mg/L

Scale Type	Result
Anhydrite CaSO4 SI	-0.49
Barite BaSO4 PTB	1.5
Barite BaSO4 SI	0.74
Calcite CaCO3 SI	-0.38
Celestite SrSO4 PTB	184.5
Celestite SrSO4 SI	0.78
Gypsum CaSO4 SI	-0.62
Hemihydrate CaSO4 SI	-0.64

Saturation Index Calculation (Tomson-Oddo Model)

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NALCO Champion

An Ecolab Company

Water Analysis Report

Attention:Brendan.McCalpin@nalco.com

Sample ID: AH54143

Location Code: 329435

Login Batch: 161107112625-JHI SW

Collection Date: 11/03/2016

Receive Date: 11/04/2016

Report Date: 11/11/2016

Customer: Cimarex (150248965)

Region: Delware Basin

Location: White City

System: Production System

Equipment: Pintail 23 Fed Com 4H

Lab ID: ABU-1031

Sample Point: Oil Dump

Analyses	Result	Unit
Dissolved CO2	390	mg/L
Dissolved H2S	101	mg/L
рН	5.9	
Pressure	60	psi
Temperature	75	°F

Analyses	Result	Unit
Bicarbonate	244	mg/L
Conductivity (Calculated)	212855	μS - cm3
Ionic Strength	2.62	
Resistivity	0.047	ohms - m
Specific Gravity	1.127	
Total Dissolved Solids	136228.8	mg/L

Cations	Result	Unit
Iron	0.498	mg/L
Manganese	1.391	mg/L
Barium	0.247	mg/L
Strontium	267.8	mg/L
Calcium	11460	mg/L
Magnesium	3027	mg/L
Sodium	36116.98	mg/L

Anions	Result	Unit
CHLORIDE	84580.93	mg/L
SULFATE	530	mg/L

Scale Type	Result
Anhydrite CaSO4 SI	-0.45
Barite BaSO4 SI	-0.49
Calcite CaCO3 SI	-0.83
Celestite SrSO4 SI	-0.08
Gypsum CaSO4 SI	-0.37
Hemihydrate CaSO4 SI	-0.41

Saturation Index Calculation (Tomson-Oddo Model)

Comments

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09/13/2017 Page 1 of 1



WOLFCAMP

An Ecolab Company

Water Analysis Report

Attention:Brendan.McCalpin@nalco.com

Location Code: **353645**

Sample ID: AJ25825

Login Batch: 2017-08-28-001-LP

Collection Date: 08/24/2017

Receive Date: 08/28/2017

Report Date: 09/01/2017

Customer: Cimarex (150248965)

Region: Delware Basin

Location: White City

System: Production System

Equipment: Marquardt 12-13 Fed Com 11H

Lab ID: ABU-1031

Sample Point: Separator

Analyses	Result	Unit
Dissolved CO2	80	mg/L
Dissolved H2S	Not Detected	mg/L
рН	6.86	
Pressure	125	psi
Temperature	85	۰F

Analyses	Result	Unit
Bicarbonate	170	mg/L
Conductivity (Calculated)	160695	μS - cm3
Ionic Strength	1.88	
Resistivity	0.062	ohms - m
Specific Gravity	1.076	
Total Dissolved Solids	102855.4	mg/L

Cations	Result	Unit
Iron	9.57	mg/L
Manganese	0.8	mg/L
Barium	6.15	mg/L
Strontium	904.87	mg/L
Calcium	3045.55	mg/L
Magnesium	573.45	mg/L
Sodium	36273.02	mg/L

Anions	Result	Unit
Chloride	61704	mg/L
Sulfate	168	mg/L

Scale Type	Result
Anhydrite CaSO4 SI	-1.50
Barite BaSO4 PTB	2.2
Barite BaSO4 SI	0.40
Calcite CaCO3 \$1	-0.50
Celestite SrSO4 SI	-0.01
Gypsum CaSO4 SI	-1.37
Hemihydrate CaSO4 SI	-1.39

Saturation Index Calculation (Tomson-Oddo Model)

Comments

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09/13/2017 Page 1 of 1

NALCO Champion

An Ecolab Company

Water Analysis Report

Attention:Brendan.McCalpin@nalco.com

Location Code: 338997

Login Batch: 17032707_JZ

Sample ID: Al35509

Collection Date: 03/23/2017

Receive Date: 03/24/2017

Report Date: 03/27/2017

Region: Delware Basin

Customer: Cimarex (150248965)

Location: White City

System: Production System

Equipment: Pintail 23-26 Fed Com 10H

Lab ID: ABU-1031

Sample Point: Separator

Analyses	Result	Unit
Dissolved CO2	180	mg/L
Dissolved H2S	0	mg/L
рН	6.5	
Pressure	120	psi
Temperature	78	۰F

Analyses	Result	Unit
Bicarbonate	105.6	mg/L
Conductivity (Calculated)	185538	µ\$ - cm3
Ionic Strength	2.11	
Resistivity	0.054	ohms - m
Specific Gravity	1.077	
Total Dissolved Solids	118751.6	mg/L

Result	Unit
6.254	mg/L
0.764	mg/L
2.481	mg/L
705	mg/L
3611	mg/L
605.3	mg/L
41241.44	mg/L
	6.254 0.764 2.481 705 3611 605.3

Anions	Result	Unit
CHLORIDE	71983.77	mg/L
SULFATE	490	mg/L

Scale Type	Result
Anhydrite CaSO4 SI	-0.98
Barite BaSO4 PTB	1.0
Barite BaSO4 SI	0.49
Calcite CaCO3 SI	-1.08
Celestite SrSO4 PTB	118.7
Celestite SrSO4 SI	0.33
Gypsum CaSO4 SI	-0.85
Hemihydrate CaSO4 SI	-0.87

Saturation Index Calculation (Tomson-Oddo Model)

Comments

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09/13/2017 Page 1 of 1

Geological Description

Freedom 36 State (SWD) 1

Formation(s) for injection: Devonian-Silurian

Injection Interval: Top 1000' of Devonian-Silurian (12,250' - 14,250'). Logs will be ran to pinpoint the exact top of the Devonian-Silurian while drilling.

Lithological Description: Highly porous and vugular dolomitized carbonate

Thickness: 1,000'+ of gross interval thickness

Porosity: 6% to over 20%

Permeability: Highly permeable 50+ md (estimated)

Estimated Geological Formation Tops for the Freedom 36 State (SWD) 1

Top of Salt	1,160'	Atoka	10,522'
Base of Salt	1,875′	Morrow	11,120′
Delaware Group	2,250′	Barnett	12,145'
Bone Spring	5,530′	Mississippian	12,415'
Wolfcamp	8,650'	Woodford	12,630′
Cisco/Canyon	10,105'	Devonian	12,750′
Strawn	10,336′		

The injection depths are 10,500' below the deepest potential source of brackish water that might be economically used as a source for drinking water.

After examining the available geological data, no evidence was found of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.

Brent A. Bruington

Geologist

Cimarex Energy Company



(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a

(R=POD has been replaced,

O=orphaned, C=the file is

(quarters are 1=NW 2=NE 3=SW 4=SE)

closed)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD

Sub-QQQ

POD Number

water right file.)

X

Depth Depth Water Well Water Column

C 00819

Code basin County 64 16 4 Sec Tws Rng 4 4 26 24S 26E

570022 3560935* 🐔

Average Depth to Water:

42 feet

Minimum Depth:

42 feet

Maximum Depth:

DEPTH TO WATER

42 feet

Record Count: 1

PLSS Search:

Section(s): 26

Township: 24S



No records found.

PLSS Search:

Section(s): 36

Township: 24S



No records found.

PLSS Search:

Section(s): 35

Township: 24S

Range: 26E

DEPTH TO WATER



No records found.

PLSS Search:

Section(s): 25

Township: 24S



No records found.

PLSS Search:

Section(s): 1

Township: 25S



No records found.

PLSS Search:

Section(s): 2

Township: 25S



No records found.

PLSS Search:

Section(s): 6

Township: 25S

Range: 27E



No records found.

PLSS Search:

Section(s): 31

Township: 24S

Range: 27E



No records found.

PLSS Search:

Section(s): 30

Township: 24S

Range: 27E



October 9, 2017

Clare October 20th, 2017

Heavy Equipment Operator-Artesio-519:51-821:53 per hour DOE.
Code Bafavoument Officer-518:57-520:49 per hour DOE.

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\$17.68 Uncertified per hour DOE

Emedian Benefits - prid vication, sick terre and holiday pay, PERA rethement plans; hundr insurance paid at 100% for full-time employe at 60% for their dependents.

EQUAL OPPORTUNITY EMPLOYER M/F V/D

of Chrical 242 Office/Chrical 242 Office/Chr ADMINISTRATIVE TEAM

Local office is looking for an individual to join its administrative team. Full-time job requires excellent customer service skills and the use of Microsoft Office applications. A high school diploms or equivalent and two years of work experience is required to apply. Experience handling payments, receipts, bank deposits and similar activities in preferred. Please e-mail resume (in Word or PDF format) to humanresources.cbad@yahoo.com.

notices 100-152

dic/ ciel Notices 114

999 Excursion Limited FMNV4252YEB28220 Texas PSS 875

Circums Energy Co., 600 N. Marientrial Co., 600 N. Marientrial Stute 600, Mickland TX. 79701. (432-871, 7900), has filed form C-103 (Application for C-103 (Appl

R25E, Eddy County MM.
The well is located approximately 7.5 miles
East of White City, NM.
The proposed open hole
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would be produced
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of 350000 8WPO with
a maximum pressure

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Pursuant to NMAC 19,15,12,10, interested perties must file objections or requests for hearing in writing with the division's Santa Fe office within 20 daws after which

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For Sale 2008
Manual Travel Trailer.
Surrayer intich, appliance
one pull out. 30' x 8'.
Great for weekends at
the laive! Asking \$800! Portales, New Mexico (575) 693 - 3735

Reach the larges

2 Br. All Bille Paid. \$840, 1900 W. Church Quiet, Family Friendly, Retrigerated Air. 505-804-3256

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Misc. Property 490 Established Fast Frod Restaurant For Sale. Great Location. Building. Enginemat & Land included. 9750,000 and Donibe as Means Reol Estate for more details. 975-361-181. or 575-887-9257

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Auction Saturday, October 21, 2017 3913 Weet Lea Street Carlsbad, New Mexico

Surplus Vehicle & Equipment Auction
CONSIGNMENTS are WELCOME CONSIGNMENTS are WELCOME
Vehicles, Pickups, Cars, Trucks, Trailers,
Farm and Ranch AG Related Items,
Shop Toots, Farm Tractions, Welders,
Heavy Equipment, Tractor Implements,
City of Carlsbad NM Surplus Equipment
of Hield Industrial Items, Consignments
are being taken!!
Large Auction NO BUYERS FEE!
Lacks at the sets site for shotos:

WWW.BMJAUCTION.COM Ben Jenkins Auctioneers 575-361-5901 or 575-885-5901

recreation 799-816

2010 Narwa 5th When HRchiker Discover Amer 348 UK 50, 541,500, 2 Stets 2013 Grand Chereken, \$250, 2012 Jusp Wrangler stock tires & rivne, \$60 575-361-9992

Motor Homes 810

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For Sale 2016
Premier Travel Trailer,
Sitt wheel fritch,
appliances, bud, five put
outs, Very good condition
45 × 23 'Asking 342,000,
will repotiate, Located in
Portales, New Maxico
(575) 693 - 3735

1993 Flaetwood Flair, Runs Great, 220,000 miles. \$7,000 or best offer, 575-840-5391 Reach the

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2015 HARLEY BREAKOUT



(575) 499-6802

ERA REAL Carlsbad's Top Selling Real Estate Office

NEW LISTINGS

710 PRATT-2BR, 1BA home close to beach. Great income producing property! \$75,000 601 W. CHAPMAN-Adorable 3BR/2BA home on .75 acre with updated kitchen, large metal shop

with mother-in-law quarters. \$239,500 1808 DENISE DRIVE-Cheyenne floor plan with lots of upgrades in this 3BR, 2BA home! Plantation

shutters, wood floors, gorgeous yard on corner lot. \$247,500

PRICE IMPROVEMENTS

1109 W. TANSILL -2BR , 1BA- \$105,000 1004 VALVERDE

1106 FRANCIS -3BR, 2BA- \$164,500 3209 OLD CAVERN -3BR, 1.75BA- \$200,000 -2BR, 2BA- \$240,000

1275 E. WOOD-3BR, 2BA- \$245,000

885-4131 [Mana] (2) 2 mm

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575 887 0155 314 N. Canal **NEW PRICE**



\$89,000

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HOME FOR SALE



2103 Westridge Rd. This beautiful brick home has a great view of the flumes & river! 4 BR/3 BA, 2-car garage 2690 Sq. Ptt Features include a great kitche with an island bar, plus a breakfast area open.

ACREAGE



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Notification Requirements:

Surface Owner

New Mexico State Land Office

Certified #

PO BOX 1148

Santa Fe, NM 87504

9407 1102 0088 3596 7989 97

Offset Operator Within ½ mile

Chevron USA INC 6301 Deauville BLVD

Midland, TX 79706

Certified #

9407 1102 0082 8544 3979 38

Unit Petroleum Co.

PO Box 702500 Tulsa OK 74170 Certified #

9407 1102 0088 2544 3729 13

Murchison Oil & Gas

7520 Dallas Parkway

Suite 1400 Dallas TX 75024 Certified #

9407 1102 0088 3596 8150 52

A copy of the application was sent certified mail to the above addresses on 10/16/2017. Proof of certification and delivery receipt attached.

Thank you,

Amithy CrawYord

Cimarex Energy



10/16/2017

Notification Letter

New Mexico State Land Office PO BOX 1148 Santa Fe, NM 87504

RE:

Freedom 36 State SWD #1 1300' FSL & 660' FWL

Sec 36, 24S, 26E Eddy County, NM

To Whom it May Concern,

Please accept this letter as our notification to you, as surface owner, of Cimarex Energy Co.'s plans to drill the Freedom 36 State SWD #1. Attached is a copy of our C-108 permit application with the NMOCD. This letter and attachments are intended to satisfy the notification requirements for this permit application.

Any parties opposed to the approval of this application should contact the New Mexico Oil Conservation Division.

Sincerely,

Regulatory Analyst

432-620-1909



10/16/2017

Notification Letter

Chevron USA INC 6301 Deaville BLVD Midland TX 79706

RE:

Freedom 36 State SWD #1 1300' FSL & 660' FWL Sec 36, 24S, 26E Eddy County, NM

To Whom it May Concern,

Please accept this letter as our notification to you, as offset operator, of Cimarex Energy Co.'s plans to drill the Freedom 36 State SWD #1. Attached is a copy of our C-108 permit application with the NMOCD. This letter and attachments are intended to satisfy the notification requirements for this permit application.

Any parties opposed to the approval of this application should contact the New Mexico Oil Conservation Division.

Spincerely,

Amithy Crawford Regulatory Analyst

432-620-1909



10/16/2017

Notification Letter

Unit Petroleum Co. PO Box 702500 Tulsa OK 74170

RE:

Freedom 36 State SWD #1 1300' FSL & 660' FWL Sec 36, 24S, 26E Eddy County, NM

To Whom it May Concern,

Please accept this letter as our notification to you, as offset operator, of Cimarex Energy Co.'s plans to drill the Freedom 36 State SWD #1. Attached is a copy of our C-108 permit application with the NMOCD. This letter and attachments are intended to satisfy the notification requirements for this permit application.

Any parties opposed to the approval of this application should contact the New Mexico Oil Conservation Division.

Sin cerely,

Regulatory Analyst

432-620-1909



10/16/2017

Notification Letter

Murchison Oil & Gas 7520 Dallas Parkway Suite 1400 Dallas TX 75024

RE:

Freedom 36 State SWD #1 1300' FSL & 660' FWL Sec 36, 24S, 26E Eddy County, NM

To Whom it May Concern,

Please accept this letter as our notification to you, as offset operator, of Cimarex Energy Co.'s plans to drill the Freedom 36 State SWD #1. Attached is a copy of our C-108 permit application with the NMOCD. This letter and attachments are intended to satisfy the notification requirements for this permit application.

Any parties opposed to the approval of this application should contact the New Mexico Oil Conservation Division.

Amithy Crawford

Regulatory Analyst

432-620-1909

USPS CERTIFIED MAIL



New Mexico State Land Office PO BOX 1148 SANTA FE NM 87504-1148

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Oct 16 2017
Mailed from ZIP 79701
12 oz First-Class Mail Flats Rate US POSTAGE AND FEES PAID



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Murchison Oil and Gas 7520 DALLAS PKWY STE 1400 PLANO TX 75024-4017

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Mailed from ZIP 79701
12 oz First-Class Mail Flats Rate US POSTAGE AND FEES PAID

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Unit Petroleum PO BOX 702500 TULSA OK 74170-2500

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October 15, 2017

Legal Notice

Affidavit of Publication

State of New Mexico, County of Eddy, ss.

Danny Fletcher, being first duly sworn, on oath says:

That he is the Publisher of the Carlsbad Current-Argus. 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 advertisements may 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:

October 15

2017

That the cost of publication is \$72.15 and that payment thereof has been made and will be assessed as court costs.

Subscribed and sworn to before me this \$\frac{1}{2}\day of \left(\frac{1}{2}\day \right) \right(\frac{1}{2}\day \right) \rig

My commission Expires 3/13/9/

Notary Public



Cimarex Energy Co., 600 N. Marienfeld Suite 600, Midland TX 79701, (432-571-7800). has filed form C-108 (Application For Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval to drill the Freedom 36 State SWD #1 as a salt water disposal well. The well is staked at 1300' FSL & 660' FWL of Section 36, T245, R26E, Eddy County NM. The well is located approximately 7.5 miles East of White City, NM. The proposed open hole Disposal/injection interval is in the Devonian-Silurian formation from 12,250'-14,250'. Disposal fluid would be produced water from Cimarex's leases. Cimarex plans to dispose a maximum of 35000 BWPD with a maximum pressure of 2450 psr or as allowed by depth.

Parties with questions regarding this proposal can contact Cimarex at the address or phone number listed above.

Interested parties must file objections or requests for hearing within 15 days of publication to the New Mexico Oil Conservation Division, 1220 South St. Frances Dr., Santa Fe NM 87505.



Water Column/Average Depth to Water New Mexico Office of the State Engineer

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

No records found.

PLSS Search:

Section(s): 31

Township: 24S

24S Ra

Range: 27E

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

11/14/17 9:17 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



Water Column/Average Depth to Water New Mexico Office of the State Engineer

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

No records found

PLSS Search:

Section(s): 36

Township: 24S

Range: 26E

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

11/14/17 9:18 AM

DEPTH TO WATER WATER COLUMN/ AVERAGE



Water Column/Average Depth to Water New Mexico Office of the State Engineer

		C 04050 POD1	C 04049 POD1	C 04036 POD1	POD Number	(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)
					Code	(R=POD has been replaced, O=orphaned, C=the file is closed)
		CUB	CUB	С	Sub- basin	has been ned, s is
		ED	ED	ED 1 4 3 06 25S	Sub- Q Q Q Q basin County 64 16 4 Sec Tws	(q
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	*	562695	562592	562745	×	4=SE) (NAD83
Munin Maxim	Average Depth to	3557776	3557864 🌉	3557733	¥	≔SE) (NAD83 UTM in meters)
Minimum Depth: Maximum Depth:	to Water:				Depth	ers)
- H		165	165	160	WellDep	
120 reet 125 feet	123 feet	125	120	125	Water DepthWellDepthWater Column	(In feet)
	•	40	45	35	Water Column	

Record Count: 3

PLSS Search:

Section(s): 6

Township: 25S

Range: 26E

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

11/14/17 9:19 AM

WATER COLUMN/ AVERAGE DEPTH TO



11/14/2017

New Mexico Office of the State Engineer Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW quarters are smallest to largest)	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)	(NAD83 UTM in meters)	
Well Tag P	POD Number C 04036 POD1	Q64 Q16 Q4 Sec Tws Rng 1 4 3 06 25S 26E	i 64 Q16 Q4 Sec Tws Rng 1 4 3 06 25S 26E	X Y S62745 3557733	
Driller License: 1690 Driller Name: JASC	e: 1690 : JASON MALEY	Driller Company:		VISION RESOURCES, INC	
Drill Start Da	Drill Start Date: 04/01/2017	Drill Finish Date:	: 04/02/2017	Plug Date:	
Log File Date:	: 04/07/2017	PCW Rcv Date:		Source:	Shallow
Pump Type:		Pipe Discharge Size:	ize:	Estimated Yield:	300 GPM
Casing Size:	6.00	Depth Well:	160 feet	Depth Water:	125 feet
A	Water Bearing Stratifications:		Bot	tom Description 160 Sandstone/Gravel/Conglomerate	
×	Casing Perforations:		Top Bottom 100 160		

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

11/14/17 9:49 AM

POINT OF DIVERSION SUMMARY

C-108 Review	v Checklist: Rec	eived Add. Requ	est:	Reply Date:	Suspended: [Ver 15]		
C-108 Review Checklist: Received Add. Request: Reply Date: Suspended: [Ver 15] ORDER TYPE: WFX / PMX SWD Number: Legacy Permits/Orders:							
Well No. 1 Well Name(s): Freedom 36 SW							
API: 30-0 15-44489 Spud Date: 7BD New or Old: (UIC Class II Primacy 03/07/1982)							
API: 30-0 15-44489 Spud Date: 7BD New or Old: (UIC Class II Primacy 03/07/1982) 1300F5L Footages 660FWL Lot or Unit Mec 36 Tsp 245 Rge 265 County 544							
General Location: 210 miles a/ Louing Pool: 5 wo Devuring Pool No.: 57565							
BLM 100K Map: CANLS GAN Operator: Energy CO OGRID: 21507 Contact: Charterd, Regalitery							
General Location: 10 miles a/(woung Pool: 5 up) Devuring Pool No.: 57565 BLM 100K Map: CAPLS GAM Operator: Energy CO OGRID: 21509 Contact: CrAnford Regulatory COMPLIANCE RULE 5.9: Total Wells: 33/ Inactive: Fincl Assur: OK Compl. Order? MAIS 5.9 OK? Date: 1/-14-20/2							
WELL FILE REVIEWED Current Status: Proposed							
WELL DIAGRAMS: NEW: Proposed or RE-ENTER: Before Conv. After Conv. Logs in Imaging:							
Planned Rehab Work to Well:							
Well Construction Details	Sizes (in) Borehole / Pipe	Setting Depths (ft)		Cement (Sx)or Cf	Cement Top and Determination Method		
Plannedor Existing Surface	26"/20"	450	Stage Tool	603	" Surface/ Vistal		
Planned_or Existing Interm/Prod	172/13 %	2100		1200	SUPELCO VISUAL		
Planned_or ExistingInterm/Prod	12-2/95/8	10105		1624	Sur Fuel Visgas		
Planned_or Existing Prod/Liner	834/7"	12750		1812	SUFFICE/VISU		
Planned_or Existing Liner					3417		
Planned_or ExistingOH)PERF	2250 52		Inj Length	Comp	eletion/Operation Details:		
Injection Lithostratigraphic Units:		njection or Confining Units	Tops	Drilled TD 137	SO PBTD		
Adjacent Unit: Litho. Struc. Por.		ad	12630	NEW TD	NEW PBTD		
Confining Unit: Litho. Struc. Por.		ρV	12750	NEW Open Hole 🕻	or NEW Perfs		
Proposed Inj Interval TOP:				Tubing Size	in. Inter Coated?		
Proposed Inj Interval BOTTOM:				Proposed Packer D			
Confining Unit: Litho. Struc. Por.	Same and a section makes and a factoristic				245 (100-ft limit)		
Adjacent Unit: Litho. Struc. Por. Proposed Max. Surface Press. 2 y Cosi							
AOR: Hydrologic and Geologic Information Admin. Inj. Press: 7 4 (0.2 psi per ft)							
POTASH: R-111-P Noticed? BLM Sec Ord O WIPP O Noticed? Salt/Salado T/160_B1 (75 NW: Cliff House fm FRESH WATER: Aquifer @y Crnery(!) Max Depth HYDRO AFFIRM STATEMENT By Qualified Person O							
7.1	, , , , , , , , , , , , , , , , , , , ,		•				
NMOSE Basin: Chr/5 Stock CAPITAN REEF; thru adj NA No. Wells within 1-Mile Radius? FW Analysis MA Disposal Fluid: Formation Source(s) Selvery with Analysis? On Lease Operator Only Or Commercial							
Disposal Int: Inject Rate (Avg/Max BWPD): 20/35/Protectable Waters? Source: System: Closed or Open							
HC Potential: Producing Interval Formerly Producing? Method: Logs/DST/P&A/Other System: Closed or Open							
AOR Wells: 1/2-M Radius Map?	Well List?	Total No. Wells P	enetrating I	nterval:	Horizontals?		
Penetrating Wells: No. Active We	Num Repairs?	?on which well(s)?_			Diagrams?		
Penetrating Wells: No. P&A Wells	r				Diagrams?		
NOTICE: Newspaper Date Octuber 5, 24 Mineral Owner Nm 5 Surface Owner Nm 5 N. Date 1016 2017 RULE 26.7(A): Identified Tracts? Affected Persons: On N. Date N. Date							
RULE 26.7(A): Identified Tracts?	Affected Perso	ons: Chi	ממיו		N. Date		
Order Conditions: Issues:	1 Cincul	ste cen	nent	- By	MSings Lusurpen		
Add Order Cond:				•			