Sundry Print Report

U.S. Department of the Interior BUREAU OF LAND MANAGEMENT

Well Name: ROSA UNIT Well Location: T31N / R4W / SEC 31 / County or Parish/State: RIO

SENE / 36.85929 / -107.29144 ARRIBA / NM

Well Number: 601 Type of Well: CONVENTIONAL GAS Allottee or Tribe Name:

NELL

Lease Number: NMSF078777 Unit or CA Name: ROSA UNIT Unit or CA Number:

NMNM78407E

Notice of Intent

Sundry ID: 2864955

Type of Submission: Notice of Intent

Type of Action: Other

Date Sundry Submitted: 07/23/2025 Time Sundry Submitted: 02:14

Date proposed operation will begin: 07/23/2025

Procedure Description: LOGOS Operating, LLC request to drill out bridge plug and return well to production. See attached operations procedure and wellbore schematic.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

 $Rosa_Unit_601___Return_to_Production_Procedure_20250723141325.pdf$

Page 1 of 2

eceived by OCD: 7/28/2025 2:30:51 PM Well Name: ROSA UNIT

Well Location: T31N / R4W / SEC 31 /

SENE / 36.85929 / -107.29144

County or Parish/State: RIPage 2 o

ARRIBA / NM

Well Number: 601

Type of Well: CONVENTIONAL GAS

Allottee or Tribe Name:

Lease Number: NMSF078777

Unit or CA Name: ROSA UNIT

Unit or CA Number:

NMNM78407E

Zip:

US Well Number: 3003930916

Operator: LOGOS OPERATING LLC

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Signed on: JUL 23, 2025 02:15 PM **Operator Electronic Signature: ETTA TRUJILLO**

Name: LOGOS OPERATING LLC

Title: Regulatory Specialist

Street Address: 2010 AFTON PLACE

City: Farmington State: NM

Phone: (505) 324-4154

Email address: ETRUJILLO@LOGOSRESOURCESLLC.COM

Field

Representative Name:

Street Address:

City: State:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: KENNETH G RENNICK BLM POC Title: Petroleum Engineer

BLM POC Phone: 5055647742 BLM POC Email Address: krennick@blm.gov

Disposition: Approved **Disposition Date:** 07/25/2025

Signature: Kenneth Rennick

Page 2 of 2

Form 3160-5 (June 2019)

UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021

	Expires: October 31, 2
ease Serial No	

DEI	AKTIVIENT OF THE INTERIOR	`			F	
BUREAU OF LAND MANAGEMENT			5. Lease Serial No.	NMSF	078777	
Do not use this	NOTICES AND REPORTS ON form for proposals to drill or Use Form 3160-3 (APD) for s	to re-e	enter an	6. If Indian, Allottee or Tribe	Name	
	TRIPLICATE - Other instructions on p	age 2		7. If Unit of CA/Agreement, ROSA UNIT/NMNM78407E	Name a	and/or No.
1. Type of Well Oil Well Gas V	Vell Other			8. Well Name and No.		
2. Name of Operator LOGOS OPERA	ATING LLC			9. API Well No. 3003930916		
	FARMINGTON, NM 87401 3b. Phone N (505) 278-		de area code)	10. Field and Pool or Explora		rea
4. Location of Well (Footage, Sec., T.,I SEC 31/T31N/R4W/NMP	R.,M., or Survey Description)			11. Country or Parish, State RIO ARRIBA/NM		
12. CHE	CK THE APPROPRIATE BOX(ES) TO	INDICAT	E NATURE (OF NOTICE, REPORT OR OT	HER D	ATA
TYPE OF SUBMISSION			TYP	E OF ACTION		
Notice of Intent	Alter Casing H	-	Fracturing	Production (Start/Resume) Reclamation		Water Shut-Off Well Integrity
Subsequent Report		ew Constr lug and Al		Recomplete Temporarily Abandon	~	Other
Final Abandonment Notice		ug Back	Januon	Water Disposal		
is ready for final inspection.) LOGOS Operating, LLC requeschematic.	est to drill out bridge plug and return w			-		
14. I hereby certify that the foregoing is ETTA TRUJILLO / Ph: (505) 324-4	true and correct. Name (<i>Printed/Typed</i>) 154	Title	Regulatory	Specialist		
Signature (Electronic Submission) Date			07/23/2	07/23/2025		
	THE SPACE FOR FE	DERA	L OR STA	TE OFICE USE		
Approved by			Petrol	eum Engineer		07/25/2025
KENNETH G RENNICK / Ph: (505			Title		Date	0172072020
	hed. Approval of this notice does not war equitable title to those rights in the subject aduct operations thereon.		Office FAR	MINGTON		
Title 18 U.S.C Section 1001 and Title 4	3 U.S.C Section 1212, make it a crime for	r any pers	on knowingly	and willfully to make to any d	lepartm	ent or agency of the United States

any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

GENERAL INSTRUCTIONS

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

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c)and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Location of Well

0. SHL: SENE / 1475 FNL / 1220 FEL / TWSP: 31N / RANGE: 4W / SECTION: 31 / LAT: 36.85929 / LONG: -107.29144 (TVD: 0 feet, MD: 0 feet) BHL: SENE / 1475 FNL / 1220 FEL / TWSP: 31N / RANGE: 4W / SECTION: 31 / LAT: 36.85929 / LONG: -107.29144 (TVD: 0 feet, MD: 0 feet)



Return to Production Procedure

Rosa Unit 601 30-039-30916 1475' FNL & 1220' FEL Section 31, T31N, R04W Rio Arriba County, New Mexico LAT: 36.8592567° N LONG: -107.2913742° W Mancos / Dakota

PROJECT OBJECTIVE:

The subject well has been temporarily abandoned since April 2017. The well must be returned to production to remain in regulatory compliance. In order to return the well to production, the cast iron bridge plug (CIBP) at 6875' will be milled out and pushed down to the next CIBP at 8360', leaving the Dakota perforations isolated. 2-3/8" tubing will be run and the well returned to production.

WORKOVER PROCEDURE:

- 1. Comply with all LOGOS, BLM, Forest Service, and NMOCD rules and regulations. Conduct safety meeting for all personnel on location.
- 2. MIRU workover rig. Lay flow lines. Check and record casing pressure.
- 3. Nipple down wellhead and nipple up BOP.
- 4. Pick up work string and mill. TIH to CIBP at 6875'.
- 5. Mill out CIBP and push down to the next CIBP at 8360'. Trip out of hole and laydown mill.
- 6. Run 2-3/8" production tubing.
- 7. Rig down and MOL. Return well to production.



Wellbore Schematic

Well Name: Rosa Unit 601 Sec 31, T31N, R04W 1475' FNL & 1220' FEL Location: County: Rio Arriba API#: 30-039-30916 Co-ordinates: Lat 36.8592567 Long -107.2913742 Elevations: GROUND: 6963 KB: 6977 PBTD: Depths (KB): 8610

Date Prepared: 10/2/2018

Last Updated: 10/28/2024 Moss

Reviewed by: Spud Date: 9/13/2010

Completion Date: 5/2/2011

Last Workover: 4/12/2017

8807 TD: VERTICAL WELLBORE All Depths KB Hole Size Surface Casing: (9/14/2010) 14-3/4" **Surface Casing** Drilled a 14-3/4" surface hole to 360'. Set 8 jts 10-3/4", 40.5#, J-55 casing at 353' 10-3/4", 40.5#, J-55 0-360 Cmt w/ 290 sx Type III cmt (522 cf, 1.8 yield, 13.5 ppg). Circ 50 bbls cmt to surface 8 jts set at 353' Intermediate Casing: (9/30/2010) 290 sx Drilled a 9-7/8" intermediate hole to 4262'. Set 96 jts 7-5/8", 26.4#, J-55 casing at 4262' Circ to surface 353 TOC at surface (circ) Cmt w/ 650 sx Extendacem (1748 cf, 2.69 yield, 11.5 ppg). Tailed w/ 100 sx Prem cmt (118 cf, 1.18 yield, 15.6 ppg). Circ 108 bbl cmt to surface. Production Casing: (10/20/2010) 9-7/8" Drilled a 6-3/4" production hole to 8807'. Set 218 jts 4-1/2", 11.6#, P-110 casing at 8805 360'-4262' FC at 8779'. Cmt w/ 615 sx Fraccem (861 cf, 1.4 yield, 13.1 ppg). TOC at 4450' (CBL). Length (ft) Tubing ΚB NA - pulled in 2017 for TA Intermediate Csg 6-3/4" 4262'-8807' 7-5/8", 26.4#, J-55 Artificial Lift: NΑ 96 jts set at 4262' 750 sx Circ to surface Perforations: (04/2011) MC (6925'-7025') - 33, 0.34" holes. Acidizied w/ 1064 gal 15% FE acid Frac w/ 7500# 100 mesh & 99,900# 30/70 mesh MC (7470'-7630') - 39, 0.34" holes. Acidizied w/ 1071 gal 15% FE acid Frac w/ 7500# 100 mesh & 139,400# 40/70 mesh MC (7705'-7855') - 42, 0.34" holes. Acidizied w/ 1003 gal 15% FE acid. Frac w/ 7660# 100 mesh & 130,050# 30/70 mesh MC (7985'-8095') - 36, 0.34" holes. Acidizied w/ 1001 gal 15% FE acid. Frac w/ 7640# 100 mesh & 61,545# 30/50 mesh MC (8280'-8320') - 27, 0.34" holes. Acidizied w/ 1015 gal 15% FE acid Frac w/ 5200# 100 mesh & 80,200# 30/50 mesh DK (8395'-8430') - 24, 0.34" holes. Acidized w/ 904 gal 15% FE acid. No stim, pressured 4262 TOC at surface (circ) out at 6950# DK (8468'-8540') - 3 SPF. 48, 0.34" holes. Acidized w/ 1120 gal 15% FE acid. Frac w/ 4961# 100 mesh & 101,529# 40/70 mesh Ottawa DK (8683'-8722') - 3 SPF. 27, 0.34" holes. Wet zone, did not stim. Formations: Ojo Alamo-3209 Mancos-6738 **Production Casing** Pictured Cliffs-3786 Graneros 8328 4-1/2", 11.6#, P-110 Cliffhouse-6000 Dakota-8467 218 jts set at 8805' CIBP at 6875' Point Lookout-6217 О o MC: 6925'-7025' 615 sx TOC at 4450' (CBL) Additional Notes: 04/2011 Initial completion. Perf'd DK 8683'-8722', wet zone, didn't stim. Set CIBP at 8660'. Perf'd DK 8468'-8540'. Set pkr at 8582' to test CIBP at 8660', would not hold. Set 2nd CIBP o MC: 7470'-7630' at 8630'. Frac'd 2nd DK stage. Perf'd 3rd DK stage, but couldn't stim due to pressure o MC: 7705'-7855' limitations, pressured out at 6950#. Only 1 DK stage sucessfully completed. Perf'd & stim'd o MC: 7985'-8095' 5 MC stages. Milled out a total of 6 CIBP's from completions down to new PBTD at 8610'. Set 2-3/8" tbg at 8524'.

10/2013 TA DK due to excessive water production. Set CIBP at 8348'. Pressure test to 700#, o MC: 8280'-8320' held. Set 2-3/8" tbg at 7862' & returned to production as MC only. 04/2017 TA'd wellbore. TOOH & LD tbg. Set CIBP at 6875'. Tested csg to 590# for 30 min. CIBP at 8360' 0 leak off o DK: 8395'-8430' o DK: 8468'-8540' CIBP at 8630' *Vertical wellbore w/ max deviation of 2.5° at 4950' CIBP at 8660' o DK: 8683'-8722' О 8805 TOC at 4450' (CBL) PBTD - 8610'

TD - 8807



Surface Casing: (9/14/2010)

Proposed Wellbore Schematic

Well Name: Rosa Unit 601 Sec 31, T31N, R04W 1475' FNL & 1220' FEL Location: County: Rio Arriba API#: 30-039-30916 Lat 36.8592567 Long -107.2913742 Co-ordinates: Elevations: GROUND: 6963' KB: 6977 Depths (KB): PBTD: 8610' TD: 8807'

Date Prepared: 10/2/2018

Last Updated: 10/28/2024 Moss

Reviewed by: Spud Date: 9/13/2010

Completion Date: 5/2/2011

Last Workover: 4/12/2017

VERTICAL WELLBORE All Depths KB Hole Size **Surface Casing** 14-3/4" 10-3/4", 40.5#, J-55 0-360' 8 jts set at 353' 290 sx Circ to surface 353 TOC at surface (ci 9-7/8" 360'-426 Intermediate Csq 6-3/4" 7-5/8", 26.4#, J-55 4262'-880 96 jts set at 4262' 750 sx Circ to surface 4262 TOC at surface (circ **Production Casing** 4-1/2", 11.6#, P-110 218 jts set at 8805' 615 sx TOC at 4450' (CBL) 0 o MC: 6925'-7025' <u>Tubing</u> 2-3/8" 4.7# J-55 ~240 jts 0 0 0 o MC: 7470'-7630' SN at ~7698' o MC: 7705'-7855' o MC: 7985'-8095' EOT at ~7700' o MC: 8280'-8320' 0

CIBP at 8360'

DK: 8395'-8430'

DK: 8468'-8540'

CIBP at 8630'

CIBP at 8660'

DK: 8683'-8722'

TOC at 4450' (CBL)

Intermediate Casing: (9/30/2010)	Cmt w/ 290 sx Typ	e III cmt (522 cf, 1.8 yield	, 13.5 ppg). Circ 50 bbls cmt	to surface.
Drilled a 9-7/8" intermediate hole to 4262". Set 96 ts 7-5/8", 26.4#, J-55 casing at 4262', Cmt wi 650 sx Extendacem (1748 cf, 2.69 yield, 11.5 ppg). Tailed wi 100 sx Prem cmt (118 cf, 1.18 yield, 15.6 ppg). Circ 108 bbl cmt to surface. Production Casing: (10/20/2010)		(0/00/0040)		
Cmtw 650 sx Extendacem (1748 cf, 2.69 yield, 11.5 ppg), Tailed w/ 100 sx Prem cmt (118 cf, 1.18 yield, 15.6 ppg). Circ 108 bbl cmt to surface.	Intermediate Casin	g: (9/30/2010)	1.00 '1. 7.5/0". 00 4// 1.55	
Commonstrate Comm				
Production Casing: (10/20/2010)				sx Prem cmt
Drilled a 6-3/4" production hole to 8807. Set 218 s 4-1/2", 11.6#, P-110 casing at 8805', FC at 8779'. Cmt w/ 615 sx Fraccem (861 cf, 1.4 yield, 13.1 ppg). TOC at 4450' (CBL).	(118 cf, 1.18 yield,	15.6 ppg). Circ 108 bbl c	mt to surface.	
Drilled a 6-3/4" production hole to 8807. Set 218 s 4-1/2", 11.6#, P-110 casing at 8805', FC at 8779'. Cmt w/ 615 sx Fraccem (861 cf, 1.4 yield, 13.1 ppg). TOC at 4450' (CBL).				
Drilled a 6-3/4" production hole to 8807. Set 218 s 4-1/2", 11.6#, P-110 casing at 8805', FC at 8779'. Cmt w/ 615 sx Fraccem (861 cf, 1.4 yield, 13.1 ppg). TOC at 4450' (CBL).	Production Casing	: (10/20/2010)		
Tubing: Proposed			218 its 4-1/2" 11 6# P-110 o	asing at 8805'
Length (ft)				
RB	T C at 0779. Office	# 010 3x 1 faccein (001 c	i, 1.4 yield, 15.1 ppg). 100 a	(4430 (ODL).
Test			1 11 (6)	
(-239) 2-3/8" 4.7# J-55 tbg jts 7650 (1) 2-3/8" x 2' marker jt 2 (1) 2-3/8" x 7# J-55 tbg jt 32 (1) 1.78" SN 1 (1) 2-3/8" MS collar w/ exp check 1 (1) 2-3/8" MS check 1 (1) 2-3				
(1) 2-3/8" x 2' marker jt 2 (1) 2-3/8" x 12' marker jt 32 (1) 12-3/8" x 14' J-55 tbg jt 32 (1) 12-3/8" MS collar w/ exp check 1 (1) 1.78" SN 1 (1) 2-3/8" MS collar w/ exp check 1 (1) 2-3/8" MS collar w/ exp check 1 (1) 2-3/8" MS collar w/ exp check 1 (2) 4 Set at: 7700 Artificial Lift: NA Perforations: (04/2011) MC (9295"-7025") - 33, 0.34" holes. Acidizied w/ 1064 gal 15% FE acid. Frac w/ 7500# 100 mesh & 99,900# 30/70 mesh MC (7470"-7630") - 39, 0.34" holes. Acidizied w/ 1071 gal 15% FE acid. Frac w/ 7500# 100 mesh & 139,400# 40/70 mesh MC (7705"-7855") - 42, 0.34" holes. Acidizied w/ 1003 gal 15% FE acid. Frac w/ 7660# 100 mesh & 61,545# 30/50 mesh MC (7985"-8095") - 36, 0.34" holes. Acidizied w/ 1001 gal 15% FE acid. Frac w/ 7640# 100 mesh & 61,545# 30/50 mesh MC (8280"-8320") - 27, 0.34" holes. Acidizied w/ 1015 gal 15% FE acid. Frac w/ 5200# 100 mesh & 80,200# 30/50 mesh MC (8468"-8540") - 24, 0.34" holes. Acidized w/ 904 gal 15% FE acid. No stim, pressured out at 6950# DK (8468"-8540") - 3 SPF. 48, 0.34" holes. Acidized w/ 1120 gal 15% FE acid. Frac w/ 4961# 100 mesh & 101,529# 40/70 mesh Ottawa DK (8683"-8722") - 3 SPF. 27, 0.34" holes. Wet zone, did not stim. Formations: Ojo Alamo- Pictured Cliffs- Cliffhouse- 6000" Dakota- 8467' Point Lookout- 6217' Additional Notes: 04/2011 Initial completion. Perf'd DK 8683"-8722", wet zone, didn't stim. Set CIBP at 8660". Perf'd DK 8468"-8540". Set pkr at 8582" to test CIBP at 8660", would not hold. Set 2nd CIBP at 8830". Frac'd 2nd DK stage. Perf'd 3rd DK stage, but couldn't stim due to pressure limitations, pressured out at 6950#. Only 1 DK stage sucessfully completed. Perf'd & stim'd 5 MC stages. Milled out a total of 6 CIBP's from completions down to new PBTD at 8610". Set 2-3/8" tbg at 7862" & returned to production. Set CIBP at 8348'. Pressure test to 700# held. Set 2-3/8" tbg at 7862" & returned to production as MC only. 04/2017 TA'd wellbore. TOOH & LD tbg. Set CIBP at 6875'. Tested csg to 590# for 30 min. 0 leak off.			·	14
(1) 2-3/8" 4.7# J-55 tbg jt (1) 1.78" SN 1 (1) 2-3/8" MS collar w/ exp check 1 Set at: 7700 Artificial Lift: NA Perforations: (04/2011) MC (6925'-7025') - 33, 0.34" holes. Acidizied w/ 1064 gal 15% FE acid. Frac w/ 7500# 100 mesh & 99,900# 30/70 mesh MC (7470'-7630') - 39, 0.34" holes. Acidizied w/ 1071 gal 15% FE acid. Frac w/ 7500# 100 mesh & 139,400# 40/70 mesh MC (7705'-7855') - 42, 0.34" holes. Acidizied w/ 1003 gal 15% FE acid. Frac w/ 7606# 100 mesh & 130,050# 30/70 mesh MC (7795'-8955') - 42, 0.34" holes. Acidizied w/ 1001 gal 15% FE acid. Frac w/ 7640# 100 mesh & 61,545# 30/50 mesh MC (8280'-8320') - 27, 0.34" holes. Acidizied w/ 1015 gal 15% FE acid. Frac w/ 7640# 100 mesh & 80,200# 30/50 mesh MC (8395'-8430') - 24, 0.34" holes. Acidizied w/ 1015 gal 15% FE acid. Frac w/ 640# 100 mesh & 80,200# 30/50 mesh DK (8385'-8430') - 3 SPF. 48, 0.34" holes. Acidizied w/ 1015 gal 15% FE acid. No stim, pressured out at 6950# DK (8468'-8540') - 3 SPF. 48, 0.34" holes. Acidized w/ 1120 gal 15% FE acid. Frac w/ 4961# 100 mesh & 101,529# 40/70 mesh Ottawa DK (8683'-8722') - 3 SPF. 27, 0.34" holes. Wet zone, did not stim. Formations: Ojc Alamo 3209' Mancos 6738' Pictured Cliffs- 3786' Graneros-8328' Cliffhouse- 6000' Dakota- 8467' Point Lookout- 6217' Additional Notes: 04/2011 Initial completion. Perfd DK 8683'-8722', wet zone, didn't stim. Set CIBP at 8660'. Perf'd DK 8468'-8540'. Set pkr at 8582' to test CIBP at 8660', would not hold. Set 2nd CIBP at 8630'. Frac'd 2nd DK stage. Perf'd 3rd DK stage, but couldn't stim due to pressure limitations, pressured out at 6950#. Only 1 DK stage sucessfully completed. Perf'd & stim'd 5 MC stages. Milled out a total of 6 CIBP's from completions down to new PBTD at 8610'. Set 2-3/8" big at 8530'. Terc'd 2nd DK stage. Perf'd 3rd DK stage, but couldn't stim due to pressure limitations, pressured out at 6950#. Only 1 DK stage sucessfully completed. Perf'd & stim'd 5 MC stages. Milled out a total of 6 CIBP's from completions down to new PBTD at 8610'. Set 2-3/8" big at 7582'k re			76	50
(1) 2-3/8" MS collar w/ exp check 1 Set at: 7700 Artificial Lift: NA Perforations: (04/2011) MC (6925'-7025') - 33, 0.34" holes. Acidizied w/ 1064 gal 15% FE acid. Frac w/ 7500# 100 mesh & 99,900# 30/70 mesh MC (7470'-7630') - 39, 0.34" holes. Acidizied w/ 1071 gal 15% FE acid. Frac w/ 7500# 100 mesh & 139,400# 40/70 mesh MC (7795-7855') - 42, 0.34" holes. Acidizied w/ 1003 gal 15% FE acid. Frac w/ 7660# 100 mesh & 130,050# 30/70 mesh MC (77985-9859') - 30, 0.34" holes. Acidizied w/ 1001 gal 15% FE acid. Frac w/ 7660# 100 mesh & 130,050# 30/70 mesh MC (7985-940#) - 30,034" holes. Acidizied w/ 1001 gal 15% FE acid. Frac w/ 7640# 100 mesh & 813,050# 30/50 mesh MC (8280'-8320') - 27, 0.34" holes. Acidizied w/ 1015 gal 15% FE acid. Frac w/ 5200# 100 mesh & 80,200# 30/50 mesh DK (8395'-8430') - 24, 0.34" holes. Acidized w/ 904 gal 15% FE acid. No stim, pressured out at 6950# DK (8468'-8540') - 3 SPF. 48, 0.34" holes. Acidized w/ 1120 gal 15% FE acid. Frac w/ 4961# 100 mesh & 101,529# 40/70 mesh Ottawa DK (8683'-8722') - 3 SPF. 27, 0.34" holes. Wet zone, did not stim. Formations: Formations:	(1) 2-3/8" x 2' marke	er jt		2
(1) 2-3/8" MS collar w/ exp check 1 Set at: 7700 Artificial Lift: NA Perforations: (04/2011) MC (6925'-7025') - 33, 0.34" holes. Acidizied w/ 1064 gal 15% FE acid. Frac w/ 7500# 100 mesh & 99,900# 30/70 mesh MC (7470'-7630') - 39, 0.34" holes. Acidizied w/ 1071 gal 15% FE acid. Frac w/ 7500# 100 mesh & 139,400# 40/70 mesh MC (7795-7855') - 42, 0.34" holes. Acidizied w/ 1003 gal 15% FE acid. Frac w/ 7660# 100 mesh & 130,050# 30/70 mesh MC (77985-9859') - 30, 0.34" holes. Acidizied w/ 1001 gal 15% FE acid. Frac w/ 7660# 100 mesh & 130,050# 30/70 mesh MC (7985-940#) - 30,034" holes. Acidizied w/ 1001 gal 15% FE acid. Frac w/ 7640# 100 mesh & 813,050# 30/50 mesh MC (8280'-8320') - 27, 0.34" holes. Acidizied w/ 1015 gal 15% FE acid. Frac w/ 5200# 100 mesh & 80,200# 30/50 mesh DK (8395'-8430') - 24, 0.34" holes. Acidized w/ 904 gal 15% FE acid. No stim, pressured out at 6950# DK (8468'-8540') - 3 SPF. 48, 0.34" holes. Acidized w/ 1120 gal 15% FE acid. Frac w/ 4961# 100 mesh & 101,529# 40/70 mesh Ottawa DK (8683'-8722') - 3 SPF. 27, 0.34" holes. Wet zone, did not stim. Formations: Formations:	(1) 2-3/8" 4.7# J-55	tbg it		32
Artificial Lift: NA				1
Artificial Lift: NA Perforations: (04/2011) MC (6925-7025') - 33, 0.34" holes. Acidizied w/ 1064 gal 15% FE acid. Frac w/ 7500# 100 mesh & 99,900# 30/70 mesh MC (7470-7630') - 39, 0.34" holes. Acidizied w/ 1071 gal 15% FE acid. Frac w/ 7500# 100 mesh & 199,900# 40/70 mesh MC (7705'-7855') - 42, 0.34" holes. Acidizied w/ 1003 gal 15% FE acid. Frac w/ 7500# 100 mesh & 130,050# 30/70 mesh MC (7985'-8095') - 36, 0.34" holes. Acidizied w/ 1001 gal 15% FE acid. Frac w/ 7660# 100 mesh & 61,545# 30/50 mesh MC (8280'-8320') - 27, 0.34" holes. Acidizied w/ 1001 gal 15% FE acid. Frac w/ 5200# 100 mesh & 80,200# 30/50 mesh MC (8280'-8320') - 27, 0.34" holes. Acidizied w/ 1015 gal 15% FE acid. Frac w/ 5200# 100 mesh & 80,200# 30/50 mesh DK (8395'-8430') - 24, 0.34" holes. Acidizied w/ 904 gal 15% FE acid. No stim, pressured out at 6950# DK (8468'-8540') - 3 SPF. 48, 0.34" holes. Acidized w/ 1120 gal 15% FE acid. Frac w/ 496# 100 mesh & 101,529# 40/70 mesh Ottawa DK (8683'-8722') - 3 SPF. 27, 0.34" holes. Wet zone, did not stim. Formations: Ojo Alamo 3209' Mancos- 6738' Pictured Cliffs- 3786' Graneros- 8328' Cliffhouse- 6000' Dakota- 8467' Point Lookout- 6217' Additional Notes: 04/2011 Initial completion. Perfd DK 8683'-8722', wet zone, didn't stim. Set CIBP at 8660'. Perfd DK 8468'-8540'. Set pkr at 8582' to test CIBP at 8660', would not hold. Set 2nd CIBP at 8630'. Frac'd 2nd DK stage. Perfd 3rd DK stage, but couldn't stim due to pressure limitations, pressured out at 6950#. Only 1 DK stage, but couldn't stim due to pressure limitations, pressured out at 6950#. Only 1 DK stage, but couldn't stim due to pressure limitations, pressured out at 6950#. Only 1 DK stage, but couldn't stim due to pressure limitations, pressured out at 6950#. Only 1 DK stage, but couldn't stim due to pressure limitations, pressured out at 6950#. Only 1 DK stage, but couldn't stim due to pressure limitations, pressured out at 610 of 6 CIBP's from completions down to new PBTD at 8610'. Set 2-3/8" tbg at 7862' & returned to production as MC only.		w/ evn check		
Perforations: (04/2011) MC (6925-7025') - 33, 0.34" holes. Acidizied w/ 1064 gal 15% FE acid. Frac w/ 7500# 100 mesh & 99,900# 30/70 mesh MC (7470'-7630') - 39, 0.34" holes. Acidizied w/ 1071 gal 15% FE acid. Frac w/ 7500# 100 mesh & 139,400# 40/70 mesh MC (7705'-7855') - 42, 0.34" holes. Acidizied w/ 1003 gal 15% FE acid. Frac w/ 7660# 100 mesh & 139,400# 40/70 mesh MC (7985'-8095') - 36, 0.34" holes. Acidizied w/ 1001 gal 15% FE acid. Frac w/ 7660# 100 mesh & 61,545# 30/50 mesh MC (8280'-8320') - 27, 0.34" holes. Acidizied w/ 1015 gal 15% FE acid. Frac w/ 7640# 100 mesh & 861,545# 30/50 mesh MC (8280'-8320') - 27, 0.34" holes. Acidizied w/ 1015 gal 15% FE acid. Frac w/ 5200# 100 mesh & 80,200# 30/50 mesh DK (8395'-8430') - 3 SPF. 48, 0.34" holes. Acidized w/ 904 gal 15% FE acid. No stim, pressured out at 6950# DK (8468'-8540') - 3 SPF. 48, 0.34" holes. Acidized w/ 1120 gal 15% FE acid. Frac w/ 4961# 100 mesh & 101,529# 40/70 mesh Ottawa DK (8683'-8722') - 3 SPF. 27, 0.34" holes. Wet zone, did not stim. Formations: Ojo Alamo- Pictured Cliffs- Cliffhouse- 6000' Dakota- 8467' Point Lookout- 6217' Additional Notes: 04/2011 Initial completion. Perf'd DK 8683'-8722', wet zone, didn't stim. Set CIBP at 8660'. Perf'd DK 8468'-8540'. Set pkr at 8582' to test CIBP at 8660', would not hold. Set 2nd CIBP at 8630'. Frac'd 2nd DK stage. Perf'd 3rd DK stage, but couldn't stim due to pressure limitations, pressured out at 6950#. Only 1 DK stage successfully completed. Perf'd 8 stim'd 5 MC stages. Milled out a total of 6 CIBP's from completions down to new PBTD at 8610'. Set 2-3/8" tbg at 8524'. 10/2013 TA DK due to excessive water production. Set CIBP at 8348'. Pressure test to 700# held. Set 2-3/8" tbg at 8524'. 10/2013 TA DK due to excessive water production as MC only. 04/2017 TA/d wellbore. TOOH & LD tbg. Set CIBP at 6875'. Tested csg to 590# for 30 min. 0 leak off.	(1) 2-3/0 IVIO COIIAI	W/ EXP CHECK	Set at: 770	
Perforations: (04/2011) MC (6925'-7025') - 33, 0.34" holes. Acidizied w/ 1064 gal 15% FE acid. Frac w/ 7500# 100 mesh & 99,900# 30/70 mesh MC (7470'-7630') - 39, 0.34" holes. Acidizied w/ 1071 gal 15% FE acid. Frac w/ 7500# 100 mesh & 139,400# 40/70 mesh MC (7705'-7855') - 42, 0.34" holes. Acidizied w/ 1003 gal 15% FE acid. Frac w/ 7600# 100 mesh & 130,050# 30/70 mesh MC (7985'-8095') - 36, 0.34" holes. Acidizied w/ 1001 gal 15% FE acid. Frac w/ 7600# 100 mesh & 61,545# 30/50 mesh MC (8280'-8320') - 27, 0.34" holes. Acidizied w/ 1015 gal 15% FE acid. Frac w/ 5200# 100 mesh & 80,200# 30/50 mesh MK (8395'-8430') - 24, 0.34" holes. Acidized w/ 904 gal 15% FE acid. No stim, pressured out at 6950# DK (8468'-8540') - 3 SPF. 48, 0.34" holes. Acidized w/ 1120 gal 15% FE acid. Frac w/ 4961# 100 mesh & 101,529# 40/70 mesh Ottawa DK (8683'-8722') - 3 SPF. 27, 0.34" holes. Wet zone, did not stim. Formations: Ojo Alamo 3209' Mancos 6738' Cliffhouse 6000' Dakota 8467' Point Lookout 6217' Additional Notes: 04/2011 Initial completion. Perfd DK 8683'-8722', wet zone, didn't stim. Set CIBP at 8660'. Perfd DK 8468'-8540' Set pkr at 8582' to test CIBP at 8660', would not hold. Set 2nd CIBP at 8630'. Frac'd 2nd DK stage. Perf'd 37d DK stage, but couldn't stim due to pressure limitations, pressured out at 6950#. Only 1 DK stage sucessfully completed. Perf'd & stim'd 5 MC stages. Milled out a total of 6 CIBP's from completions down to new PBTD at 8610'. Set 2-3/8" tbg at 8524'. 10/2013 TA DK due to excessive water production. Set CIBP at 8348'. Pressure test to 700# held. Set 2-3/8" tbg at 7862' & returned to production as MC only. 04/2017 TA'd wellbore. TOOH & LD tbg. Set CIBP at 6875'. Tested csg to 590# for 30 min. 0 leak off.			Set at. 770	JU
Perforations: (04/2011) MC (6925'-7025') - 33, 0.34" holes. Acidizied w/ 1064 gal 15% FE acid.	A 4161 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
Perforations: (04/2011) MC (6925'-7025') - 33, 0.34" holes. Acidizied w/ 1064 gal 15% FE acid. Frac w/ 7500# 100 mesh & 99,900# 30/70 mesh MC (7470'-7630') - 39, 0.34" holes. Acidizied w/ 1071 gal 15% FE acid. Frac w/ 7500# 100 mesh & 139,400# 40/70 mesh MC (7705'-7855') - 42, 0.34" holes. Acidizied w/ 1003 gal 15% FE acid. Frac w/ 7660# 100 mesh & 130,050# 30/70 mesh MC (7985'-8095') - 36, 0.34" holes. Acidizied w/ 1001 gal 15% FE acid. Frac w/ 7660# 100 mesh & 61,545# 30/50 mesh MC (8280'-8320') - 27, 0.34" holes. Acidizied w/ 1001 gal 15% FE acid. Frac w/ 7640# 100 mesh & 60,200# 30/50 mesh MC (8280'-8320') - 27, 0.34" holes. Acidizied w/ 1015 gal 15% FE acid. Frac w/ 5200# 100 mesh & 80,200# 30/50 mesh DK (8395'-8430') - 24, 0.34" holes. Acidized w/ 904 gal 15% FE acid. No stim, pressured out at 6950# DK (8468'-8540') - 3 SPF. 48, 0.34" holes. Acidized w/ 1120 gal 15% FE acid. Frac w/ 4961# 100 mesh & 10,529# 40/70 mesh Ottawa DK (8683'-8722') - 3 SPF. 27, 0.34" holes. Wet zone, did not stim. Formations: Ojo Alamo- Pictured Cliffs- 3786' Graneros- 8328' Cliffhouse- 6000' Dakota- 8467' Additional Notes: 04/2011 Initial completion. Perf'd DK 8683'-8722', wet zone, didn't stim. Set CIBP at 8660'. Perf'd DK 8468'-8540'. Set pkr at 8582' to test CIBP at 8660', would not hold. Set 2nd CIBP at 8630'. Frac'd 2nd DK stage. Perf'd 3rd DK stage, but couldn't stim due to pressure limitations, pressured out at 6950#. Only 1 DK stage, but couldn't stim due to pressure limitations, pressured out at 6950#. Only 1 DK stage, but couldn't stim due to pressure limitations, pressured out at 6950#. Only 1 DK stage, but couldn't stim due to pressure limitations, pressured out at 6950#. Only 1 DK stage, but couldn't stim due to pressure limitations, pressured out at 6950#. Only 1 DK stage sucessfully completed. Perf'd & stim'd 5 MC 2-3/8" tbg at 8524'. 10/2013 TA DK due to excessive water production. Set CIBP at 8348'. Pressure test to 700# held. Set 2-3/8" tbg at 7862' & returned to production as MC only.				
MC (6925'-7025') - 33, 0.34" holes. Acidizied w/ 1064 gal 15% FE acid. Frac w/ 7500# 100 mesh & 99,900# 30/70 mesh MC (7470'-7630') - 39, 0.34" holes. Acidizied w/ 1071 gal 15% FE acid. Frac w/ 7500# 100 mesh & 139,400# 40/70 mesh MC (7705'-7855') - 42, 0.34" holes. Acidizied w/ 1003 gal 15% FE acid. Frac w/ 7660# 100 mesh & 139,050# 30/70 mesh MC (7985'-8095') - 36, 0.34" holes. Acidizied w/ 1001 gal 15% FE acid. Frac w/ 7640# 100 mesh & 61,545# 30/50 mesh MC (8280'-8320') - 27, 0.34" holes. Acidizied w/ 1015 gal 15% FE acid. Frac w/ 5200# 100 mesh & 80,200# 30/50 mesh MC (8395'-8430') - 24, 0.34" holes. Acidizied w/ 904 gal 15% FE acid. No stim, pressured out at 6950# DK (8468'-8540') - 3 SPF. 48, 0.34" holes. Acidized w/ 1120 gal 15% FE acid. Frac w/ 4961# 100 mesh & 101,529# 40/70 mesh Ottawa DK (8683'-8722') - 3 SPF. 27, 0.34" holes. Wet zone, did not stim. Formations: Ojo Alamo- 3209' Mancos- 6738' Pictured Cliffs- 3786' Graneros- 8328' Cliffhouse- 6000' Dakota- 8467' Point Lookout- 6217' Additional Notes: 04/2011 Initial completion. Perfd DK 8683'-8722', wet zone, didn't stim. Set CIBP at 8660'. Perfd DK 8468'-8540'. Set pkr at 8582' to test CIBP at 8660', would not hold. Set 2nd CIBP at 8630'. Frac'd 2nd DK stage. Perfd 3rd DK stage, but couldn't stim due to pressure limitations, pressured out at 6950#. Only 1 DK stage sucessfully completed. Perfd & stim'd 5 MC stages. Milled out a total of 6 CIBP's from completions down to new PBTD at 8610'. Set 2-3/8" tbg at 8524'. Set 2-3/8" tbg at 8524'. Set veturned to production. Set CIBP at 8348'. Pressure test to 700# held. Set 2-3/8" tbg at 7862' & returned to production as MC only. 04/2017 TA'd wellbore. TOOH & LD tbg. Set CIBP at 6875'. Tested csg to 590# for 30 min. 0 leak off.	NA			
MC (6925'-7025') - 33, 0.34" holes. Acidizied w/ 1064 gal 15% FE acid. Frac w/ 7500# 100 mesh & 99,900# 30/70 mesh MC (7470'-7630') - 39, 0.34" holes. Acidizied w/ 1071 gal 15% FE acid. Frac w/ 7500# 100 mesh & 139,400# 40/70 mesh MC (7705'-7855') - 42, 0.34" holes. Acidizied w/ 1003 gal 15% FE acid. Frac w/ 7660# 100 mesh & 139,050# 30/70 mesh MC (7985'-8095') - 36, 0.34" holes. Acidizied w/ 1001 gal 15% FE acid. Frac w/ 7640# 100 mesh & 61,545# 30/50 mesh MC (8280'-8320') - 27, 0.34" holes. Acidizied w/ 1015 gal 15% FE acid. Frac w/ 5200# 100 mesh & 80,200# 30/50 mesh MC (8395'-8430') - 24, 0.34" holes. Acidizied w/ 904 gal 15% FE acid. No stim, pressured out at 6950# DK (8468'-8540') - 3 SPF. 48, 0.34" holes. Acidized w/ 1120 gal 15% FE acid. Frac w/ 4961# 100 mesh & 101,529# 40/70 mesh Ottawa DK (8683'-8722') - 3 SPF. 27, 0.34" holes. Wet zone, did not stim. Formations: Ojo Alamo- 3209' Mancos- 6738' Pictured Cliffs- 3786' Graneros- 8328' Cliffhouse- 6000' Dakota- 8467' Point Lookout- 6217' Additional Notes: 04/2011 Initial completion. Perfd DK 8683'-8722', wet zone, didn't stim. Set CIBP at 8660'. Perfd DK 8468'-8540'. Set pkr at 8582' to test CIBP at 8660', would not hold. Set 2nd CIBP at 8630'. Frac'd 2nd DK stage. Perfd 3rd DK stage, but couldn't stim due to pressure limitations, pressured out at 6950#. Only 1 DK stage sucessfully completed. Perfd & stim'd 5 MC stages. Milled out a total of 6 CIBP's from completions down to new PBTD at 8610'. Set 2-3/8" tbg at 8524'. Set 2-3/8" tbg at 8524'. Set veturned to production. Set CIBP at 8348'. Pressure test to 700# held. Set 2-3/8" tbg at 7862' & returned to production as MC only. 04/2017 TA'd wellbore. TOOH & LD tbg. Set CIBP at 6875'. Tested csg to 590# for 30 min. 0 leak off.				
MC (6925'-7025') - 33, 0.34" holes. Acidizied w/ 1064 gal 15% FE acid. Frac w/ 7500# 100 mesh & 99,900# 30/70 mesh MC (7470'-7630') - 39, 0.34" holes. Acidizied w/ 1071 gal 15% FE acid. Frac w/ 7500# 100 mesh & 139,400# 40/70 mesh MC (7705'-7855') - 42, 0.34" holes. Acidizied w/ 1003 gal 15% FE acid. Frac w/ 7660# 100 mesh & 139,050# 30/70 mesh MC (7985'-8095') - 36, 0.34" holes. Acidizied w/ 1001 gal 15% FE acid. Frac w/ 7640# 100 mesh & 61,545# 30/50 mesh MC (8280'-8320') - 27, 0.34" holes. Acidizied w/ 1015 gal 15% FE acid. Frac w/ 5200# 100 mesh & 80,200# 30/50 mesh MC (8395'-8430') - 24, 0.34" holes. Acidizied w/ 904 gal 15% FE acid. No stim, pressured out at 6950# DK (8468'-8540') - 3 SPF. 48, 0.34" holes. Acidized w/ 1120 gal 15% FE acid. Frac w/ 4961# 100 mesh & 101,529# 40/70 mesh Ottawa DK (8683'-8722') - 3 SPF. 27, 0.34" holes. Wet zone, did not stim. Formations: Ojo Alamo- 3209' Mancos- 6738' Pictured Cliffs- 3786' Graneros- 8328' Cliffhouse- 6000' Dakota- 8467' Point Lookout- 6217' Additional Notes: 04/2011 Initial completion. Perfd DK 8683'-8722', wet zone, didn't stim. Set CIBP at 8660'. Perfd DK 8468'-8540'. Set pkr at 8582' to test CIBP at 8660', would not hold. Set 2nd CIBP at 8630'. Frac'd 2nd DK stage. Perfd 3rd DK stage, but couldn't stim due to pressure limitations, pressured out at 6950#. Only 1 DK stage sucessfully completed. Perf'd & stim'd 5 MC stages. Milled out a total of 6 CIBP's from completions down to new PBTD at 8610'. Set 2-3/8" tbg at 7862' & returned to production as MC only. 04/2013 TA DK due to excessive water production. Set CIBP at 8348'. Pressure test to 700# held. Set 2-3/8" tbg at 7862' & returned to production as MC only. 04/2017 TA'd wellbore. TOOH & LD tbg. Set CIBP at 6875'. Tested csg to 590# for 30 min. 0 leak off.	Perforations: (04/2	011)		
Frac w/ 7500# 100 mesh & 99,900# 30/70 mesh MC (7470'-7630') - 39, 0.34" holes. Acidizied w/ 1071 gal 15% FE acid. Frac w/ 7500# 100 mesh & 139,400# 40/70 mesh MC (7705'-7855') - 42, 0.34" holes. Acidizied w/ 1003 gal 15% FE acid. Frac w/ 7660# 100 mesh & 130,050# 30/70 mesh MC (7795'-7855') - 36, 0.34" holes. Acidizied w/ 1001 gal 15% FE acid. Frac w/ 7660# 100 mesh & 61,545# 30/50 mesh MC (8280'-8320') - 27, 0.34" holes. Acidizied w/ 1015 gal 15% FE acid. Frac w/ 5200# 100 mesh & 80,200# 30/50 mesh DK (8395'-8430') - 24, 0.34" holes. Acidized w/ 904 gal 15% FE acid. No stim, pressured out at 6950# DK (8468'-8540') - 3 SPF. 48, 0.34" holes. Acidized w/ 1120 gal 15% FE acid. Frac w/ 4961# 100 mesh & 101,529# 40/70 mesh Ottawa DK (8683'-8722') - 3 SPF. 27, 0.34" holes. Wet zone, did not stim. Formations: Ojo Alamo- Jojo Alam			w/ 1064 gal 15% FE acid	
MC (7470'-7630') - 39, 0.34" holes. Acidizied w/ 1071 gal 15% FE acid. Frac w/ 7500# 100 mesh & 139,400# 40/70 mesh MC (7705'-7855') - 42, 0.34" holes. Acidizied w/ 1003 gal 15% FE acid. Frac w/ 7660# 100 mesh & 130,050# 30/70 mesh MC (7985'-8095') - 36, 0.34" holes. Acidizied w/ 1001 gal 15% FE acid. Frac w/ 7640# 100 mesh & 61,545# 30/50 mesh MC (8280'-8320') - 27, 0.34" holes. Acidizied w/ 1015 gal 15% FE acid. Frac w/ 5200# 100 mesh & 80,200# 30/50 mesh DK (8395'-8430') - 24, 0.34" holes. Acidized w/ 904 gal 15% FE acid. No stim, pressured out at 6950# DK (8468'-8540') - 3 SPF. 48, 0.34" holes. Acidized w/ 1120 gal 15% FE acid. Frac w/ 4961# 100 mesh & 101,529# 40/70 mesh Ottawa DK (8683'-8722') - 3 SPF. 27, 0.34" holes. Wet zone, did not stim. Formations: Ojo Alamo- 3209' Mancos- 6738' Pictured Cliffs- 3786' Graneros- 8328' Cliffhouse- 6000' Dakota- 8467' Point Lookout- 6217' Additional Notes: 04/2011 Initial completion. Perf'd DK 8683'-8722', wet zone, didn't stim. Set CIBP at 8660'. Perf'd DK 8468'-8540'. Set pkr at 8582' to test CIBP at 8660', would not hold. Set 2nd CIBP at 8630'. Frac'd 2nd DK stage. Perf'd 3rd DK stage, but couldn't stim due to pressure limitations, pressured out at 6950#. Only 1 DK stage, but couldn't stim due to pressure limitations, pressured out at 6950#. Only 1 DK stage, but couldn't stim due to pressure limitations, pressured out at 6950#. Only 1 DK stage sucessfully completed. Perf'd & stim'd 5 MC stages. Milled out a total of 6 CIBP's from completions down to new PBTD at 8610'. Set 2-3/8" tbg at 8524'. 10/2013 TA DK due to excessive water production. Set CIBP at 8348'. Pressure test to 700#, held. Set 2-3/8" tbg at 7862' & returned to production as MC only. 04/2017 TA'd wellbore. TOOH & LD tbg. Set CIBP at 6875'. Tested csg to 590# for 30 min. 0 leak off.	· · · · · · · · · · · · · · · · · · ·			
Frac w/ 7500# 100 mesh & 139,400# 40/70 mesh MC (7705'-7855') - 42, 0.34" holes. Acidizied w/ 1003 gal 15% FE acid. Frac w/ 7660# 100 mesh & 130,050# 30/70 mesh MC (7985'-8095') - 36, 0.34" holes. Acidizied w/ 1001 gal 15% FE acid. Frac w/ 7640# 100 mesh & 61,545# 30/50 mesh MC (8280'-8320') - 27, 0.34" holes. Acidizied w/ 1015 gal 15% FE acid. Frac w/ 5200# 100 mesh & 80,200# 30/50 mesh DK (8395'-8430') - 24, 0.34" holes. Acidized w/ 904 gal 15% FE acid. No stim, pressured out at 6950# DK (8468'-8540') - 3 SPF. 48, 0.34" holes. Acidized w/ 1120 gal 15% FE acid. Frac w/ 4961# 100 mesh & 101,529# 40/70 mesh Ottawa DK (8683'-8722') - 3 SPF. 27, 0.34" holes. Wet zone, did not stim. Formations: Ojo Alamo- Pictured Cliffs- 3786' Graneros- 8328' Cliffhouse- 6000' Dakota- 8467' Point Lookout- 6217' Additional Notes: 04/2011 Initial completion. Perf'd DK 8683'-8722', wet zone, didn't stim. Set CIBP at 8660'. Perf'd DK 8468'-8540'. Set pkr at 8582' to test CIBP at 8660', would not hold. Set 2nd CIBP at 8630'. Frac'd 2nd DK stage. Perf'd 3rd DK stage, but couldn't stim due to pressure limitations, pressured out at 6950#. Only 1 DK stage sucessfully completed. Perf'd & stim'd 5 MC stages. Milled out a total of 6 CIBP's from completions down to new PBTD at 8610'. Set 2-3/8" tbg at 7862' & returned to production as MC only. 04/2017 TA'd wellbore. TOOH & LD tbg. Set CIBP at 6875'. Tested csg to 590# for 30 min. 0 leak off.				
MC (7705'-7855') - 42, 0.34" holes. Acidizied w/ 1003 gal 15% FE acid. Frac w/ 7660# 100 mesh & 130,050# 30/70 mesh MC (7985'-8095') - 36, 0.34" holes. Acidizied w/ 1001 gal 15% FE acid. Frac w/ 7640# 100 mesh & 61,545# 30/50 mesh MC (8280'-8320') - 27, 0.34" holes. Acidizied w/ 1015 gal 15% FE acid. Frac w/ 5200# 100 mesh & 80,200# 30/50 mesh DK (8395'-8430') - 24, 0.34" holes. Acidized w/ 904 gal 15% FE acid. No stim, pressured out at 6950# DK (8468'-8540') - 3 SPF. 48, 0.34" holes. Acidized w/ 1120 gal 15% FE acid. Frac w/ 4961# 100 mesh & 101,529# 40/70 mesh Ottawa DK (8683'-8722') - 3 SPF. 27, 0.34" holes. Wet zone, did not stim. Formations: Ojo Alamo- Ojo Alamo- Ojo Alamo- S209' Mancos- 6738' Cliffhouse- 6000' Dakota- 8467' Point Lookout- 6217' Additional Notes: 04/2011 Initial completion. Perf'd DK 8683'-8722', wet zone, didn't stim. Set CIBP at 8660'. Perf'd DK 8468'-8540'. Set pkr at 8582' to test CIBP at 8660', would not hold. Set 2nd CIBP at 8630'. Frac'd 2nd DK stage. Perf'd 3rd DK stage, but couldn't stim due to pressure limitations, pressured out at 6950#. Only 1 DK stage sucessfully completed. Perf'd & stim'd 5 MC stages. Milled out a total of 6 CIBP's from completions down to new PBTD at 8610'. Set 2-3/8" tbg at 7862' & returned to production as MC only. 04/2017 TA'd wellbore. TOOH & LD tbg. Set CIBP at 6875'. Tested csg to 590# for 30 min. 0 leak off.				
Frac w/ 7660# 100 mesh & 130,050# 30/70 mesh MC (7985'-8095') - 36, 0.34" holes. Acidizied w/ 1001 gal 15% FE acid. Frac w/ 7640# 100 mesh & 61,545# 30/50 mesh MC (8280'-8320') - 27, 0.34" holes. Acidizied w/ 1015 gal 15% FE acid. Frac w/ 5200# 100 mesh & 80,200# 30/50 mesh DK (8395'-8430') - 24, 0.34" holes. Acidized w/ 904 gal 15% FE acid. No stim, pressured out at 6950# DK (8468'-8540') - 3 SPF. 48, 0.34" holes. Acidized w/ 1120 gal 15% FE acid. Frac w/ 4961# 100 mesh & 101,529# 40/70 mesh Ottawa DK (8683'-8722') - 3 SPF. 27, 0.34" holes. Wet zone, did not stim. Formations: Ojo Alamo-				
Frac w/ 7660# 100 mesh & 130,050# 30/70 mesh MC (7985*-8095*) - 36, 0.34" holes. Acidizied w/ 1001 gal 15% FE acid. Frac w/ 7640# 100 mesh & 61,545# 30/50 mesh MC (8280*-8320*) - 27, 0.34" holes. Acidizied w/ 1015 gal 15% FE acid. Frac w/ 5200# 100 mesh & 80,200# 30/50 mesh DK (8395*-8430*) - 24, 0.34" holes. Acidized w/ 904 gal 15% FE acid. No stim, pressured out at 6950# DK (8468*-8540*) - 3 SPF. 48, 0.34" holes. Acidized w/ 1120 gal 15% FE acid. Frac w/ 4961# 100 mesh & 101,529# 40/70 mesh Ottawa DK (8683*-8722*) - 3 SPF. 27, 0.34" holes. Wet zone, did not stim. Formations: Ojo Alamo-	MC (7705'-7855') - 4	12, 0.34" holes. Acidizied	w/ 1003 gal 15% FE acid.	
MC (7985'-8095') - 36, 0.34" holes. Acidizied w/ 1001 gal 15% FE acid. Frac w/ 7640# 100 mesh & 61,545# 30/50 mesh MC (8280'-8320') - 27, 0.34" holes. Acidizied w/ 1015 gal 15% FE acid. Frac w/ 5200# 100 mesh & 80,200# 30/50 mesh DK (8395'-8430') - 24, 0.34" holes. Acidized w/ 904 gal 15% FE acid. No stim, pressured out at 6950# DK (8468'-8540') - 3 SPF. 48, 0.34" holes. Acidized w/ 1120 gal 15% FE acid. Frac w/ 4961# 100 mesh & 101,529# 40/70 mesh Ottawa DK (8683'-8722') - 3 SPF. 27, 0.34" holes. Wet zone, did not stim. Formations: Ojo Alamo- 3209' Mancos- 6738' Pictured Cliffs- 3786' Graneros- 8328' Cliffhouse- 6000' Dakota- 8467' Point Lookout- 6217' Additional Notes: 04/2011 Initial completion. Perf'd DK 8683'-8722', wet zone, didn't stim. Set CIBP at 8660'. Perf'd DK 8468'-8540'. Set pkr at 8582' to test CIBP at 8660', would not hold. Set 2nd CIBP at 8630'. Frac'd 2nd DK stage. Perf'd 3rd DK stage, but couldn't stim due to pressure limitations, pressured out at 6950#. Only 1 DK stage successfully completed. Perf'd & stim'd 5 MC stages. Milled out a total of 6 CIBP's from completions down to new PBTD at 8610'. Set 2-3/8" tbg at 8524'. 10/2013 TA DK due to excessive water production. Set CIBP at 8348'. Pressure test to 700# held. Set 2-3/8" tbg at 7862' & returned to production as MC only. 04/2017 TA'd wellbore. TOOH & LD tbg. Set CIBP at 6875'. Tested csg to 590# for 30 min. 0 leak off.				
Frac w/ 7640# 100 mesh & 61,545# 30/50 mesh MC (8280'-8320') - 27, 0.34" holes. Acidizied w/ 1015 gal 15% FE acid.				
MC (8280'-8320') - 27, 0.34" holes. Acidizied w/ 1015 gal 15% FE acid. Frac w/ 5200# 100 mesh & 80,200# 30/50 mesh DK (8395'-8430') - 24, 0.34" holes. Acidized w/ 904 gal 15% FE acid. No stim, pressured out at 6950# DK (8468'-8540') - 3 SPF. 48, 0.34" holes. Acidized w/ 1120 gal 15% FE acid. Frac w/ 4961# 100 mesh & 101,529# 40/70 mesh Ottawa DK (8683'-8722') - 3 SPF. 27, 0.34" holes. Wet zone, did not stim. Formations: Ojo Alamo- Pictured Cliffs- 3786' Graneros- 8328' Cliffhouse- 6000' Dakota- 8467' Point Lookout- 6217' Additional Notes: 04/2011 Initial completion. Perf'd DK 8683'-8722', wet zone, didn't stim. Set CIBP at 8660'. Perf'd DK 8468'-8540'. Set pkr at 8582' to test CIBP at 8660', would not hold. Set 2nd CIBP at 8630'. Frac'd 2nd DK stage. Perf'd 3rd DK stage, but couldn't stim due to pressure limitations, pressured out at 6950#. Only 1 DK stage sucessfully completed. Perf'd & stim'd 5 MC stages. Milled out a total of 6 CIBP's from completions down to new PBTD at 8610'. Set 2-3/8" tbg at 8524'. 10/2013 TA DK due to excessive water production. Set CIBP at 8348'. Pressure test to 700#, held. Set 2-3/8" tbg at 7862' & returned to production as MC only. 04/2017 TA'd wellbore. TOOH & LD tbg. Set CIBP at 6875'. Tested csg to 590# for 30 min. 0 leak off.				
Frac w/ 5200# 100 mesh & 80,200# 30/50 mesh DK (8395'-8430') - 24, 0.34" holes. Acidized w/ 904 gal 15% FE acid. No stim, pressured out at 6950# DK (8468'-8540') - 3 SPF. 48, 0.34" holes. Acidized w/ 1120 gal 15% FE acid. Frac w/ 4961# 100 mesh & 101,529# 40/70 mesh Ottawa DK (8683'-8722') - 3 SPF. 27, 0.34" holes. Wet zone, did not stim. Formations: Ojo Alamo- Pictured Cliffs- 3786' Graneros- 8328' Cliffhouse- 6000' Dakota- 8467' Point Lookout- 6217' Additional Notes: 04/2011 Initial completion. Perf'd DK 8683'-8722', wet zone, didn't stim. Set CIBP at 8660'. Perf'd DK 8468'-8540'. Set pkr at 8582' to test CIBP at 8660', would not hold. Set 2nd CIBP at 8630'. Frac'd 2nd DK stage. Perf'd 3rd DK stage, but couldn't stim due to pressure limitations, pressured out at 6950#. Only 1 DK stage sucessfully completed. Perf'd & stim'd 5 MC stages. Milled out a total of 6 CIBP's from completions down to new PBTD at 8610'. Set 2-3/8" tbg at 8524'. 10/2013 TA DK due to excessive water production. Set CIBP at 8348'. Pressure test to 700# held. Set 2-3/8" tbg at 7862' & returned to production as MC only. 04/2017 TA'd wellbore. TOOH & LD tbg. Set CIBP at 6875'. Tested csg to 590# for 30 min. 0 leak off.				
DK (8395'-8430') - 24, 0.34" holes. Acidized w/ 904 gal 15% FE acid. No stim, pressured out at 6950# DK (8468'-8540') - 3 SPF. 48, 0.34" holes. Acidized w/ 1120 gal 15% FE acid. Frac w/ 4961# 100 mesh & 101,529# 40/70 mesh Ottawa DK (8683'-8722') - 3 SPF. 27, 0.34" holes. Wet zone, did not stim. Formations: Ojo Alamo- Pictured Cliffs- 3786' Graneros- 8328' Cliffhouse- 6000' Dakota- 8467' Point Lookout- 6217' Additional Notes: 04/2011 Initial completion. Perf'd DK 8683'-8722', wet zone, didn't stim. Set CIBP at 8660'. Perf'd DK 8468'-8540'. Set pkr at 8582' to test CIBP at 8660', would not hold. Set 2nd CIBP at 8630'. Frac'd 2nd DK stage. Perf'd 3rd DK stage, but couldn't stim due to pressure limitations, pressured out at 6950#. Only 1 DK stage sucessfully completed. Perf'd & stim'd 5 MC stages. Milled out a total of 6 CIBP's from completions down to new PBTD at 8610'. Set 2-3/8" tbg at 8524'. 10/2013 TA DK due to excessive water production. Set CIBP at 8348'. Pressure test to 700# held. Set 2-3/8" tbg at 7862' & returned to production as MC only. 04/2017 TA'd wellbore. TOOH & LD tbg. Set CIBP at 6875'. Tested csg to 590# for 30 min. 0 leak off.				
out at 6950# DK (8468'-8540') - 3 SPF. 48, 0.34" holes. Acidized w/ 1120 gal 15% FE acid. Frac w/ 4961# 100 mesh & 101,529# 40/70 mesh Ottawa DK (8683'-8722') - 3 SPF. 27, 0.34" holes. Wet zone, did not stim. Formations: Ojo Alamo- Pictured Cliffs- 3786' Graneros- 8328' Cliffhouse- 6000' Dakota- 8467' Point Lookout- Additional Notes: 04/2011 Initial completion. Perf'd DK 8683'-8722', wet zone, didn't stim. Set CIBP at 8660'. Perf'd DK 8468'-8540'. Set pkr at 8582' to test CIBP at 8660', would not hold. Set 2nd CIBP at 8630'. Frac'd 2nd DK stage. Perf'd 3rd DK stage, but couldn't stim due to pressure limitations, pressured out at 6950#. Only 1 DK stage sucessfully completed. Perf'd & stim'd 5 MC stages. Milled out a total of 6 CIBP's from completions down to new PBTD at 8610'. Set 2-3/8" tbg at 8524'. 10/2013 TA DK due to excessive water production. Set CIBP at 8348'. Pressure test to 700# held. Set 2-3/8" tbg at 7862' & returned to production as MC only. 04/2017 TA'd wellbore. TOOH & LD tbg. Set CIBP at 6875'. Tested csg to 590# for 30 min. 0 leak off.				
DK (8468'-8540') - 3 SPF. 48, 0.34" holes. Acidized w/ 1120 gal 15% FE acid. Frac w/ 4961# 100 mesh & 101,529# 40/70 mesh Ottawa DK (8683'-8722') - 3 SPF. 27, 0.34" holes. Wet zone, did not stim. Formations: Ojo Alamo- Pictured Cliffs- 3786' Graneros- 8328' Cliffhouse- 6000' Dakota- 8467' Point Lookout- 6217' Additional Notes: 04/2011 Initial completion. Perf'd DK 8683'-8722', wet zone, didn't stim. Set CIBP at 8660'. Perf'd DK 8468'-8540'. Set pkr at 8582' to test CIBP at 8660', would not hold. Set 2nd CIBP at 8630'. Frac'd 2nd DK stage. Perf'd 3rd DK stage, but couldn't stim due to pressure limitations, pressured out at 6950#. Only 1 DK stage sucessfully completed. Perf'd & stim'd 5 MC stages. Milled out a total of 6 CIBP's from completions down to new PBTD at 8610'. Set 2-3/8" tbg at 8524'. 10/2013 TA DK due to excessive water production. Set CIBP at 8348'. Pressure test to 700#, held. Set 2-3/8" tbg at 7862' & returned to production as MC only. 04/2017 TA'd wellbore. TOOH & LD tbg. Set CIBP at 6875'. Tested csg to 590# for 30 min. 0 leak off.		24, 0.34" holes. Acidized	w/ 904 gal 15% FE acid. No :	stim, pressured
Frac w/ 4961# 100 mesh & 101,529# 40/70 mesh Ottawa DK (8683'-8722') - 3 SPF. 27, 0.34" holes. Wet zone, did not stim. Formations: Ojo Alamo- Pictured Cliffs- 3786' Graneros- 8328' Cliffhouse- 6000' Dakota- 8467' Point Lookout- 6217' Additional Notes: 04/2011 Initial completion. Perf'd DK 8683'-8722', wet zone, didn't stim. Set CIBP at 8660'. Perf'd DK 8468'-8540'. Set pkr at 8582' to test CIBP at 8660', would not hold. Set 2nd CIBP at 8630'. Frac'd 2nd DK stage. Perf'd 3rd DK stage, but couldn't stim due to pressure limitations, pressured out at 6950#. Only 1 DK stage sucessfully completed. Perf'd & stim'd 5 MC stages. Milled out a total of 6 CIBP's from completions down to new PBTD at 8610'. Set 2-3/8" tbg at 8524'. 10/2013 TA DK due to excessive water production. Set CIBP at 8348'. Pressure test to 700#, held. Set 2-3/8" tbg at 7862' & returned to production as MC only. 04/2017 TA'd wellbore. TOOH & LD tbg. Set CIBP at 6875'. Tested csg to 590# for 30 min. 0 leak off.				
Formations: Ojo Alamo- Pictured Cliffs- Offse 6000' Point Lookout- Point Lookout- Point Lookout- Perf'd DK 8683'-8722', wet zone, didn't stim. Set CIBP at 8660'. Perf'd DK 8468'-8540'. Set pkr at 8582' to test CIBP at 8660', would not hold. Set 2nd CIBP at 8630'. Frac'd 2nd DK stage. Perf'd 3rd DK stage, but couldn't stim due to pressure limitations, pressured out at 6950#. Only 1 DK stage sucessfully completed. Perf'd & stim'd 5 MC stages. Milled out a total of 6 CIBP's from completions down to new PBTD at 8610'. Set 2-3/8" tbg at 8524'. 10/2013 TA DK due to excessive water production. Set CIBP at 8348'. Pressure test to 700#, held. Set 2-3/8" tbg at 7862' & returned to production as MC only. 04/2017 TA'd wellbore. TOOH & LD tbg. Set CIBP at 6875'. Tested csg to 590# for 30 min. 0 leak off.	DK (8468'-8540') - 3	3 SPF. 48, 0.34" holes. A	cidized w/ 1120 gal 15% FE a	acid.
Formations: Ojo Alamo- Ojo Alamo- Pictured Cliffs- 3786' Graneros- 8328' Cliffhouse- 6000' Dakota- 8467' Point Lookout- 6217' Additional Notes: 04/2011 Initial completion. Perf'd DK 8683'-8722', wet zone, didn't stim. Set CIBP at 8660'. Perf'd DK 8468'-8540'. Set pkr at 8582' to test CIBP at 8660', would not hold. Set 2nd CIBP at 8630'. Frac'd 2nd DK stage. Perf'd 3rd DK stage, but couldn't stim due to pressure limitations, pressured out at 6950#. Only 1 DK stage sucessfully completed. Perf'd & stim'd 5 MC stages. Milled out a total of 6 CIBP's from completions down to new PBTD at 8610'. Set 2-3/8" tbg at 8524'. 10/2013 TA DK due to excessive water production. Set CIBP at 8348'. Pressure test to 700#, held. Set 2-3/8" tbg at 7862' & returned to production as MC only. 04/2017 TA'd wellbore. TOOH & LD tbg. Set CIBP at 6875'. Tested csg to 590# for 30 min. 0 leak off.				
Formations: Ojo Alamo- Ojo Alamo- Pictured Cliffs- 3786' Graneros- 8328' Cliffhouse- 6000' Dakota- 8467' Point Lookout- 6217' Additional Notes: 04/2011 Initial completion. Perf'd DK 8683'-8722', wet zone, didn't stim. Set CIBP at 8660'. Perf'd DK 8468'-8540'. Set pkr at 8582' to test CIBP at 8660', would not hold. Set 2nd CIBP at 8630'. Frac'd 2nd DK stage. Perf'd 3rd DK stage, but couldn't stim due to pressure limitations, pressured out at 6950#. Only 1 DK stage sucessfully completed. Perf'd & stim'd 5 MC stages. Milled out a total of 6 CIBP's from completions down to new PBTD at 8610'. Set 2-3/8" tbg at 8524'. 10/2013 TA DK due to excessive water production. Set CIBP at 8348'. Pressure test to 700#, held. Set 2-3/8" tbg at 7862' & returned to production as MC only. 04/2017 TA'd wellbore. TOOH & LD tbg. Set CIBP at 6875'. Tested csg to 590# for 30 min. 0 leak off.	DK (8683'-8722') - 3	3 SPF. 27, 0.34" holes. W	et zone, did not stim.	
Ojo Alamo- Pictured Cliffs- 3786' Graneros- 8328' Cliffhouse- 6000' Dakota- 8467' Point Lookout- 6217' Additional Notes: 04/2011 Initial completion. Perf'd DK 8683'-8722', wet zone, didn't stim. Set CIBP at 8660'. Perf'd DK 8468'-8540'. Set pkr at 8582' to test CIBP at 8660', would not hold. Set 2nd CIBP at 8630'. Frac'd 2nd DK stage. Perf'd 3rd DK stage, but couldn't stim due to pressure limitations, pressured out at 6950#. Only 1 DK stage sucessfully completed. Perf'd & stim'd 5 MC stages. Milled out a total of 6 CIBP's from completions down to new PBTD at 8610'. Set 2-3/8" tbg at 8524'. 10/2013 TA DK due to excessive water production. Set CIBP at 8348'. Pressure test to 700# held. Set 2-3/8" tbg at 7862' & returned to production as MC only. 04/2017 TA'd wellbore. TOOH & LD tbg. Set CIBP at 6875'. Tested csg to 590# for 30 min. 0 leak off.		· ·	· · · · · · · · · · · · · · · · · · ·	
Ojo Alamo- Pictured Cliffs- 3786' Graneros- 8328' Cliffhouse- 6000' Dakota- 8467' Point Lookout- 6217' Additional Notes: 04/2011 Initial completion. Perf'd DK 8683'-8722', wet zone, didn't stim. Set CIBP at 8660'. Perf'd DK 8468'-8540'. Set pkr at 8582' to test CIBP at 8660', would not hold. Set 2nd CIBP at 8630'. Frac'd 2nd DK stage. Perf'd 3rd DK stage, but couldn't stim due to pressure limitations, pressured out at 6950#. Only 1 DK stage sucessfully completed. Perf'd & stim'd 5 MC stages. Milled out a total of 6 CIBP's from completions down to new PBTD at 8610'. Set 2-3/8" tbg at 8524'. 10/2013 TA DK due to excessive water production. Set CIBP at 8348'. Pressure test to 700# held. Set 2-3/8" tbg at 7862' & returned to production as MC only. 04/2017 TA'd wellbore. TOOH & LD tbg. Set CIBP at 6875'. Tested csg to 590# for 30 min. 0 leak off.	Formations:			
Pictured Cliffs- 3786' Graneros- 8328' Cliffhouse- 6000' Dakota- 8467' Point Lookout- 6217' Additional Notes: 04/2011 Initial completion. Perf'd DK 8683'-8722', wet zone, didn't stim. Set CIBP at 8660'. Perf'd DK 8468'-8540'. Set pkr at 8582' to test CIBP at 8660', would not hold. Set 2nd CIBP at 8630'. Frac'd 2nd DK stage. Perf'd 3rd DK stage, but couldn't stim due to pressure limitations, pressured out at 6950#. Only 1 DK stage successfully completed. Perf'd & stim'd 5 MC stages. Milled out a total of 6 CIBP's from completions down to new PBTD at 8610'. Set 2-3/8" tbg at 8524'. 10/2013 TA DK due to excessive water production. Set CIBP at 8348'. Pressure test to 700# held. Set 2-3/8" tbg at 7862' & returned to production as MC only. 04/2017 TA'd wellbore. TOOH & LD tbg. Set CIBP at 6875'. Tested csg to 590# for 30 min. 0 leak off.		22001	NA	6720!
Cliffhouse- 6000' Dakota- 8467' Point Lookout- 6217' Additional Notes: 04/2011 Initial completion. Perf'd DK 8683'-8722', wet zone, didn't stim. Set CIBP at 8660'. Perf'd DK 8468'-8540'. Set pkr at 8582' to test CIBP at 8660', would not hold. Set 2nd CIBP at 8630'. Frac'd 2nd DK stage. Perf'd 3rd DK stage, but couldn't stim due to pressure limitations, pressured out at 6950#. Only 1 DK stage successfully completed. Perf'd & stim'd 5 MC stages. Milled out a total of 6 CIBP's from completions down to new PBTD at 8610'. Set 2-3/8" tbg at 8524'. 10/2013 TA DK due to excessive water production. Set CIBP at 8348'. Pressure test to 700#, held. Set 2-3/8" tbg at 7862' & returned to production as MC only. 04/2017 TA'd wellbore. TOOH & LD tbg. Set CIBP at 6875'. Tested csg to 590# for 30 min. 0 leak off.				
Point Lookout- 6217' Additional Notes: 04/2011 Initial completion. Perf'd DK 8683'-8722', wet zone, didn't stim. Set CIBP at 8660'. Perf'd DK 8468'-8540'. Set pkr at 8582' to test CIBP at 8660', would not hold. Set 2nd CIBP at 8630'. Frac'd 2nd DK stage. Perf'd 3rd DK stage, but couldn't stim due to pressure limitations, pressured out at 6950#. Only 1 DK stage sucessfully completed. Perf'd & stim'd 5 MC stages. Milled out a total of 6 CIBP's from completions down to new PBTD at 8610'. Set 2-3/8" tbg at 8524'. 10/2013 TA DK due to excessive water production. Set CIBP at 8348'. Pressure test to 700#, held. Set 2-3/8" tbg at 7862' & returned to production as MC only. 04/2017 TA'd wellbore. TOOH & LD tbg. Set CIBP at 6875'. Tested csg to 590# for 30 min. 0 leak off.				
Additional Notes: 04/2011 Initial completion. Perf'd DK 8683'-8722', wet zone, didn't stim. Set CIBP at 8660'. Perf'd DK 8468'-8540'. Set pkr at 8582' to test CIBP at 8660', would not hold. Set 2nd CIBP at 8630'. Frac'd 2nd DK stage. Perf'd 3rd DK stage, but couldn't stim due to pressure limitations, pressured out at 6950#. Only 1 DK stage sucessfully completed. Perf'd & stim'd 5 MC stages. Milled out a total of 6 CIBP's from completions down to new PBTD at 8610'. Set 2-3/8" tbg at 8524'. 10/2013 TA DK due to excessive water production. Set CIBP at 8348'. Pressure test to 700#, held. Set 2-3/8" tbg at 7862' & returned to production as MC only. 04/2017 TA'd wellbore. TOOH & LD tbg. Set CIBP at 6875'. Tested csg to 590# for 30 min. 0 leak off.	Cliffhouse-	6000'	Dakota-	8467'
Additional Notes: 04/2011 Initial completion. Perf'd DK 8683'-8722', wet zone, didn't stim. Set CIBP at 8660'. Perf'd DK 8468'-8540'. Set pkr at 8582' to test CIBP at 8660', would not hold. Set 2nd CIBP at 8630'. Frac'd 2nd DK stage. Perf'd 3rd DK stage, but couldn't stim due to pressure limitations, pressured out at 6950#. Only 1 DK stage sucessfully completed. Perf'd & stim'd 5 MC stages. Milled out a total of 6 CIBP's from completions down to new PBTD at 8610'. Set 2-3/8" tbg at 8524'. 10/2013 TA DK due to excessive water production. Set CIBP at 8348'. Pressure test to 700#, held. Set 2-3/8" tbg at 7862' & returned to production as MC only. 04/2017 TA'd wellbore. TOOH & LD tbg. Set CIBP at 6875'. Tested csg to 590# for 30 min. 0 leak off.	Point Lookout-	6217'		
04/2011 Initial completion. Perf'd DK 8683'-8722', wet zone, didn't stim. Set CIBP at 8660'. Perf'd DK 8468'-8540'. Set pkr at 8582' to test CIBP at 8660', would not hold. Set 2nd CIBP at 8630'. Frac'd 2nd DK stage. Perf'd 3rd DK stage, but couldn't stim due to pressure limitations, pressured out at 6950#. Only 1 DK stage sucessfully completed. Perf'd & stim'd 5 MC stages. Milled out a total of 6 CIBP's from completions down to new PBTD at 8610'. Set 2-3/8" tbg at 8524'. 10/2013 TA DK due to excessive water production. Set CIBP at 8348'. Pressure test to 700# held. Set 2-3/8" tbg at 7862' & returned to production as MC only. 04/2017 TA'd wellbore. TOOH & LD tbg. Set CIBP at 6875'. Tested csg to 590# for 30 min. 0 leak off.				
04/2011 Initial completion. Perfd DK 8683'-8722', wet zone, didn't stim. Set CIBP at 8660'. Perfd DK 8468'-8540'. Set pkr at 8582' to test CIBP at 8660', would not hold. Set 2nd CIBP at 8630'. Frac'd 2nd DK stage. Perf'd 3rd DK stage, but couldn't stim due to pressure limitations, pressured out at 6950#. Only 1 DK stage sucessfully completed. Perf'd & stim'd 5 MC stages. Milled out a total of 6 CIBP's from completions down to new PBTD at 8610'. Set 2-3/8" tbg at 8524'. 10/2013 TA DK due to excessive water production. Set CIBP at 8348'. Pressure test to 700# held. Set 2-3/8" tbg at 7862' & returned to production as MC only. 04/2017 TA'd wellbore. TOOH & LD tbg. Set CIBP at 6875'. Tested csg to 590# for 30 min. 0 leak off.	Additional Notes			
Perf'd DK 8468'-8540'. Set pkr at 8582' to test CIBP at 8660', would not hold. Set 2nd CIBP at 8630'. Frac'd 2nd DK stage. Perf'd 3rd DK stage, but couldn't stim due to pressure limitations, pressured out at 6950#. Only 1 DK stage sucessfully completed. Perf'd & stim'd 5 MC stages. Milled out a total of 6 CIBP's from completions down to new PBTD at 8610'. Set 2-3/8" tbg at 8524'. 10/2013 TA DK due to excessive water production. Set CIBP at 8348'. Pressure test to 700# held. Set 2-3/8" tbg at 7862' & returned to production as MC only. 04/2017 TA'd wellbore. TOOH & LD tbg. Set CIBP at 6875'. Tested csg to 590# for 30 min. 0 leak off.		alation Darfid DIV 06001 0	17221 Wat zone didnit ati 0	of CIPD of 96601
at 8630'. Frac'd 2nd DK stage. Perf'd 3rd DK stage, but couldn't stim due to pressure limitations, pressured out at 6950#. Only 1 DK stage sucessfully completed. Perf'd & stim'd 5 MC stages. Milled out a total of 6 CIBP's from completions down to new PBTD at 8610'. Set 2-3/8" tbg at 8524'. 10/2013 TA DK due to excessive water production. Set CIBP at 8348'. Pressure test to 700# held. Set 2-3/8" tbg at 7862' & returned to production as MC only. 04/2017 TA'd wellbore. TOOH & LD tbg. Set CIBP at 6875'. Tested csg to 590# for 30 min. 0 leak off.				
limitations, pressured out at 6950#. Only 1 DK stage sucessfully completed. Perf'd & stim'd 5 MC stages. Milled out a total of 6 CIBP's from completions down to new PBTD at 8610'. Set 2-3/8" tbg at 8524'. 10/2013 TA DK due to excessive water production. Set CIBP at 8348'. Pressure test to 700# held. Set 2-3/8" tbg at 7862' & returned to production as MC only. 04/2017 TA'd wellbore. TOOH & LD tbg. Set CIBP at 6875'. Tested csg to 590# for 30 min. 0 leak off.				
5 MC stages. Milled out a total of 6 CIBP's from completions down to new PBTD at 8610'. Set 2-3/8" tbg at 8524'. 10/2013 TA DK due to excessive water production. Set CIBP at 8348'. Pressure test to 700#, held. Set 2-3/8" tbg at 7862' & returned to production as MC only. 04/2017 TA'd wellbore. TOOH & LD tbg. Set CIBP at 6875'. Tested csg to 590# for 30 min. 0 leak off.				
5 MC stages. Milled out a total of 6 CIBP's from completions down to new PBTD at 8610'. Set 2-3/8" tbg at 8524'. 10/2013 TA DK due to excessive water production. Set CIBP at 8348'. Pressure test to 700#, held. Set 2-3/8" tbg at 7862' & returned to production as MC only. 04/2017 TA'd wellbore. TOOH & LD tbg. Set CIBP at 6875'. Tested csg to 590# for 30 min. 0 leak off.	limitations, pressur	ed out at 6950#. Only 1 [OK stage sucessfully complet	ed. Perf'd & stim'd
Set 2-3/8" tbg at 8524'. 10/2013 TA DK due to excessive water production. Set CIBP at 8348'. Pressure test to 700#, held. Set 2-3/8" tbg at 7862' & returned to production as MC only. 04/2017 TA'd wellbore. TOOH & LD tbg. Set CIBP at 6875'. Tested csg to 590# for 30 min. 0 leak off.				
10/2013 TA DK due to excessive water production. Set CIBP at 8348'. Pressure test to 700# held. Set 2-3/8" tbg at 7862' & returned to production as MC only. 04/2017 TA'd wellbore. TOOH & LD tbg. Set CIBP at 6875'. Tested csg to 590# for 30 min. 0 leak off.			.c sempledens down to net	D . D at 00 10 .
held. Set 2-3/8" tbg at 7862' & returned to production as MC only. 04/2017 TA'd wellbore. TOOH & LD tbg. Set CIBP at 6875'. Tested csg to 590# for 30 min. 0 leak off.			ustian Cat CIDD -+ 00401 D	
04/2017 TA'd wellbore. TOOH & LD tbg. Set CIBP at 6875'. Tested csg to 590# for 30 min. 0 leak off.				essure test to 700#
0 leak off.				
0 leak off.	04/2017 TA'd wellb	ore. TOOH & LD tbg. Set	CIBP at 6875'. Tested csg to	590# for 30 min.
	0 leak off.			
*Vertical wellbore w/ max deviation of 2.5° at 4950'				
*Vertical wellbore w/ max deviation of 2.5° at 4950'				
*Vertical wellbore w/ max deviation of 2.5° at 4950'				
*Vertical wellbore w/ max deviation of 2.5° at 4950'				
		*Vertical wellbore w/ ma	ax deviation of 2.5° at 4950'	

Drilled a 14-3/4" surface hole to 360'. Set 8 jts 10-3/4", 40.5#, J-55 casing at 353'

8805'

PBTD - 8610' TD - 8807' Sante Fe Main Office Phone: (505) 476-3441

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

CONDITIONS

Action 489216

CONDITIONS

Operator:	OGRID:
LOGOS OPERATING, LLC	289408
2010 Afton Place	Action Number:
Farmington, NM 87401	489216
	Action Type:
	[C-103] NOI Workover (C-103G)

CONDITIONS

Created By	Condition	Condition Date
andrew.fordyce	None	7/29/2025