

Office

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

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

WELL API NO.

30-039-30339

5. Indicate Type of Lease

STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

San Juan 28-7 Unit

8. Well Number 249G

9. OGRID Number

217817

10. Pool name or Wildcat

Basin DK/Blanco MV

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

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

2. Name of Operator

ConocoPhillips Company

3. Address of Operator

P.O. Box 4289, Farmington, NM 87499-4289

4. Well Location

Unit Letter G : 2280 feet from the North line and 1780 feet from the East line

Section 30 Township 28N Range 7W NMPM Rio Arriba County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

5947' GR

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☒ PLUG AND ABANDON ☐TEMPORARILY ABANDON ☐ CHANGE PLANS ☐PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐

SUBSEQUENT REPORT OF:

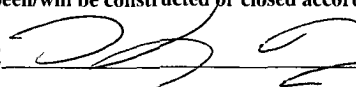
REMEDIAL WORK ☐ ALTERING CASING ☐COMMENCE DRILLING OPNS. ☐ P AND A ☐CASING/CEMENT JOB ☐OTHER: Isolate Water Production ☒OTHER: ☐

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.

ConocoPhillips requests permission to isolate the production of water on the subject well per attached procedures. An Earthen Pit Permit has been filed.

Spud Date:

Rig Released Date:

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 below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☒ or an (attached) alternative OCD-approved plan ☐.SIGNATURE  TITLE Regulatory Technician DATE 2/3/09

Type or print name Kelly Jeffery E-mail address: jeffekr@conocophillips.com PHONE: 505-599-4025

For State Use Only

APPROVED BY: Kelly G. Roll TITLE Deputy Oil & Gas Inspector, District #3

DATE FEB 09 2009

Conditions of Approval (if any): NOTIFY NMOCD AZTEC 24 HOURS PRIOR TO START OF WORK - ALSO NOTIFY NMOCD AZTEC 24 HOURS PRIOR TO ANY SQUEEZE WORK NECESSARY.

RCVD FEB 5 '09

OIL CONS. DIV.

DIST. 3

A COMPLETE C-144 MUST BE SUBMITTED TO AND APPROVED BY THE NMOCD FOR: A PIT, CLOSED LOOP SYSTEM, BELOW GRADE TANK, OR PROPOSED ALTERNATIVE METHOD, PURSUANT TO NMOCD PART 19.15.17, PRIOR TO THE USE OR CONSTRUCTION OF THE ABOVE APPLICATIONS.

ConocoPhillips
San Juan 28-7 Unit 249G (MV/DK)
Isolate Water Production

Lat 36° 37' 59.7" N Long 107° 36' 40.6" W

Prepared By: Juan Alvarez Production Engineer
Production Engineering Peer review/approved By:

Date: 12/10/08
Date: / /

Scope of work: Pull tubing, replace bad joints, test and clean out as necessary and perform flow test. Uplift is estimated at 520 Mcfd by returning the well to plunger lift.

WELL DATA:

API: 3003930339
Location: 2280' FNL & 1780' FEL, Unit G, Section 30– T 28 N – R 07 W
PBTD: 7240' **TD:** 7244'
Perforations: 4838'-5220' (MV); 7036-7168' (DK)

<u>Casing:</u>	<u>OD</u>	<u>Wt., Grade</u>	<u>Connection</u>	<u>ID/Drift (in)</u>	<u>Depth</u>
	9-5/8"	32.3#, H-40	ST&C	9.001/8.845	229'
	7"	23.0#, L-80		6.366/6.151	4789'
<u>Casing:</u>	4-1/2"	11.6#, L-80		4.000/3.875	0' – 7243'
<u>Tubing:</u>	2-3/8"	4.70#, J-55	EUE	1.995/1.901	7126'
<u>P. Nipple:</u>	2-3/8"	4.70#, J-55		1.810	7124'
<u>S Nipple</u>	2-3/8"			1.780	7125'

Bull Plug:

Well History/ Justification:

The Well San Juan 28-7 Unit 249G was spud in 2007 and completed in 2088. The well currently is logged off due water production. When the well was swabbed liquid removal resulted between 35 and 45 barrels water per day. Also there are tools stuck in tubing. It is recommended to pull tubing, clean out to PBTD, perform a flow test, isolate water zone and return the well to production.

Geologist and Ram Engineer agree with this procedure.

B2 Adapters are required on all wells other than pumping wells.

Artificial lift on well (type): Plunger Lift

Est. Reservoir Pressure (psig): 300 (MV) 1400 (DK)

Well Failure Date: 11/01/08

Current Rate (Mcf/d): 0 **Est. Rate Post Remedial (Mcf/d):** 520

Earthen Pit Required: YES

Special Requirements: Several joints of 2-3/8" tubing for replacements, 2 CIBP, RBP and Packer for 4-1/2" 11.6 # casing.

ConocoPhillips
San Juan 28-7 Unit 249G (MV/DK)
Isolate Water Production

Lat 36° 37' 59.7" N **Long** 107° 36' 40.6" W

Production Engineer: **Juan Alvarez** Office: 324-5185, Cell: 330-5310

Backup Engineer: Pertuso Dryonis Office: 599-3404, Cell: 320-6568

MSO: Ivan Brown Cell: 320-1101

Lead: Matt Crane Cell: 320-2508

Area Foreman: Gary Nelson Cell: 320-9539

ConocoPhillips
San Juan 28-7 Unit 249G (MV/DK)
Isolate Water Production

Lat 36° 37' 59.7" N Long 107° 36' 40.6" W

PROCEDURE:

1. Hold pre-job safety meeting. Comply with all NMOCD, BLM, and COPC safety and environmental regulations. Test rig anchors prior to moving in rig.
2. RIH with wireline and tag top of swab tools, POOH, RIH and set lockable 3-slip stop, release wireline unit.
3. MIRU workover rig. Check casing, tubing, and bradenhead pressures and record them in WellView.
4. RU blow lines from casing valves and begin blowing down casing pressure. Kill well with 2% KCl, if necessary. ND wellhead and NU BOPE.
5. PU and remove tubing hanger and tag for fill, adding additional joints as needed. PBTD is at 7240'. Record fills depth in WellView.
6. TOOH with tubing (detail below).

230 Jts 2-3/8" 4.7# J-55 Tubing joints

1- 2-3/8" 4.7# J-55 Tubing pup joint (2')

1- 2-3/8" 4.7# J-55 Tubing joint (30')

1- 2-3/8" Profile Nipple

1- 2-3/8" Seating Nipple

1- 2-3/8" Expandable check

Visually inspect tubing and record findings in WellView. Make note of corrosion or scale. LD and replace any bad joints.

7. PU tubing bailer if fill is less than 100' and air package is not on location. TIH and bail fill to PBTD (7240'). If fill is greater than 100' or air package is on location, utilize the air package to clean out to PBTD (7240'). If scale is on the tubing, spot acid. Contact Rig Superintendent and Engineer for acid volume, concentration, and tubing volume. TOOH. LD tubing bailer (if applicable).
8. PU and RIH with E-Line to set CIBP at 7098' in to Dakota perforation. TIH and perform flow test for 6 hours. Monitoring and record water production. Notify Production Engineer, if the flow test does not show any water. Proceed with step (10), otherwise continue with next step.
9. PU and TIH with E-line and set CIBP within 50' of top Dakota perforation at 6986'. TIH and perform flow test for 6 hours. Monitoring and record water production. Notify Production Engineer, if the flow test does not show any water. Land tubing into Mesaverde perforation at 4934'. Otherwise inform Production Engineer to evaluate perform a MIT.

Note: At this point Production Engineer will decide if squeeze job is necessary or isolate with CIBP. Notify the appropriate regulatory agency 24 hours before.

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San Juan 28-7 Unit 249G (MV/DK)
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Lat 36° 37' 59.7" N Long 107° 36' 40.6" W

10. TIH with tubing (detail below) using tubing drift procedure recommended landing depth is 7060'. Land FN @ 7059'. **Note: This landing depth could change if water is coming from Dakota.**
 - 1- 2-3/8" Muleshoe/ Expendable Check (If fill was bailed during cleanout, utilize a pump out plug in place of expendable check.)
 - 1- 2-3/8" F-Nipple
 - 1- 2-3/8" 4.7# J-55 Tubing Joint (30')
 - 1- 2-3/8" 4.7# J-55 Pup Joint (2')
 - ~224 2-3/8" 4.7# J-55 Tubing
 - Pups joints as necessary to achieve proper landing depth
 - 1- 2-3/8" 4.7# J-55 Tubing Joint

11. Run standing valve on shear tool, load tubing and pressure test to 1000 psig. Pull standing valve.

12. Land tubing, ND BOPE, NU wellhead, and blow out expendable check. Notify MSO that well is ready to be turned over to production. Make a swab run, if necessary, to kick off the well. RDMO

ConocoPhillips
San Juan 28-7 Unit 249G (MV/DK)
Isolate Water Production

Lat 36° 37' 59.7" N Long 107° 36' 40.6" W

TUBING DRIFT CHECK

PROCEDURE

1. Set flow control in tubing. With air, on location, use expendable check. With no air on location, use wireline plug.
2. RU drift tool to a minimum 70' line. Drift tool will have an OD of at least the API drift specification of the tubing. (i.e. – 2-3/8", EUE, 4.7# tbg drift = 1.901"), and will be at least 15" long. The tool will not weigh more than 10# and will have an ID bore the length of the tool, so fluids may be pumped through the tool if it becomes stuck.
3. Drop the tool into the tubing string and retrieve it after every 2 joints of tubing ran in hole. If any resistance to the tool movement is noticed, going in or out, that joint will be replaced.
4. In order to simulate the plunger lift operation, all equipment must be kept clean and free of debris.

The drift tool should be measured with calipers before each job, to ensure the OD is the correct size for the tubing being checked. The maximum allowable wear of the tool is .003".

Lat 36° 37' 59.7" N Long 107° 36' 40.6" W

FIGURE 33: 34

For (505) 327-2537

DELIVERY TICKET

Ring 5

☐ Job Completed
☒ Job Incomplete

COMPANY CONLCO LEASE SEAN JUAN 28-7 WELL NO. 2496

WORK DESCRIPTION				FLUID TYP		LEVEL FLUID		CIR. PRESS		TGS. PRESS	
Travel to location, held safety meeting, checked pressures, jacked on tools for 4 hrs. water. water pumped 15 bbls, then dropped wire cutter, got line out of hole. travel back to yard.											
Tools LEFT IN TBG											
Rope Sockets Swivel - Sinkers Bar - Jaws & Bbls											
AMOUNT				AMOUNT							
Over Pipe	500	5	3	Spigots (1)	5	1	5				
Stem & Hubbs	2	5		Insert Pins	2	5	10				
Wire Line Cable		5		Operator	Marvin Toth						
Technician	5			Operator	Shirley Toth						
Wire Line	5			Operator & Equipment							
Comp. W/L				Spigots							
Dr. Markman Charge	5			Job							
Insulator	✓ 5			Day bag				5			
Spigots	5										
LOST Tools: 1874 (12)				Operator Sign - Marvin Toth							
1874 (12) 12											
OREMAN: Gary Nelson				Inspector: _____							
UMPER: Tian											

Current Schematic - Revised

ConocoPhillips

Well Name: SAN JUAN 28-7 UNIT #249G

API/Well	Surface Legal Location	Field Name	License No.	State/Province	Well Configuration Type	Edit
3003930339	SEC 30 T14N 022W R10G 007W	MV/DK COM		NEW MEXICO	DEVIATED	
Ground Elevation (ft)	Original KB/RT Elevation (ft)	KB-Gravel Distance (ft)	KB-Casing/Flange Distance (ft)	KB-Tubing Hanger Distance (ft)		
5,947.00	5,962.00	15'00				

Well Config: DEVIATED - Original Hole, 1/30/2009 9:12:48 AM

ftKB (MD)	Schematic - Actual	From Final
15	THIS IS AN "S" SHAPED WELL Surface Casing Cement, 15-229, 12/6/2007, Cemented w/ 160 sx Type V cement. Circulated 13 bbls cement to surface. Surface, 9 5/8in, 32.30lbs/ft, H-40, 229 ftKB Intermediate, 7in, 23.00lbs/ft, L-80, 4,789 ftKB Intermediate Casing Cement, 15-4,790, 12/20/2007, Cemented w/ 660 sx Premium Lite followed by 120 sx Type III cement. Circulated 135 bbls cement to surface. Hydraulic Fracture, 2/8/2008, Frac'd Menefee/Pt. Lookout w/ 44,310 gals 60% slickwater N2 foam w/ 100,000# 20/40 Brady sand & 1,019,300 scf N2 Menefee/Point Lookout, 4,838-5,220, 2/8/2008 Dakota, 7,036-7,168, 2/8/2008 Production, 4-1/2in, 11.60lbs/ft, L-80, 7,243- ftKB Production Casing Cement, 4,710-7,243, 12/23/2007, Cemented w/ 220 sx Premium Lite cement. TOC @ 4710' by CBL 1/5/2008. Plugback, 7,240-7,243, 12/23/2007 Plugback, 7,243-7,244, 12/23/2007	
18		
20		
25		
41		
228		
229		
234		
1,663		OJO ALAMO, 1,663
1,804		KIRTLAND, 1,804
2,324		FRUITLAND, 2,324
2,657		PICTURED CLIFFS, 2,657
2,836		1 FMS, 2,836 HUERFANITO
3,278		BENTONITE, 3,278
3,680		CHACRA, 3,680
3,895		
3,910		
4,361		CLIFF HOUSE, 4,361
4,571		
4,745		
4,746		
4,789		MENEFEE, 4,571
4,789		
4,810		
4,838		
4,997		POINT LOOKOUT, 4,997
5,220		
5,425		MANCOS, 5,425
6,243		GALLUP, 6,243
6,926		
6,928		GREENHORN, 6,928
6,941		
6,996		GRANFROS, 6,996
7,033		DAKOTA, 7,033
7,036		
7,090		
7,092		
7,123		
7,124		
7,125		
7,126		
7,168		
7,240		
7,241		
7,243		
7,244		

Pertinent Data Sheet

ConocoPhillips

Well Name: SAN JUAN 28-7 UNIT #249G

API/UVI 3003930339	Surface Legal Location SEC 30, T14N, R22E, NMO 007111	Field Name MV/DK COM	License No	State/Province NEW MEXICO	Well Configuration Type DEVIATED	Edit
Ground Elevation (ft) 5,947.00	Original KB/RT Elevation (ft) 5,962.00	KB-Ground Distance (ft) 15.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)		

Well Attributes			Edit
Orig Spid Date	Latitude (DMS)	Longitude (DMS)	

PBTDs		Edit
Depth (ft-ft)	Comment	
7,240.0		

Formations		Edit
Formation Name	Final Top MD (ft-ft)	
Surface Casing NCMT OJAM KRLD FRLD PCCF LEWS Intermediate Casing CHRA CLFH MENF PTLK GLLP GRHN TWLS CBBO Total Depth		

Casing Strings							
Casing Description		Ris Date	Set Depth (ft-ft)	Comment			Edit
Surface		12/6/2007	229.0				
Item Description	OD Nominal (in)	ID (in)	Wt (lbs/ft)	Grade	Jts	Len (ft)	Edit
Casing Hanger	9 5/8	9.001	32.30	H-40	1	3.29	
Casing Joints	9 5/8	9.001	32.30	H-40	7	209.78	
Sawtooth Collar	9 5/8	9.001	32.30	H-40	1	0.93	

Casing Description Intermediate	Ris Date 12/20/2007	Set Depth (ft-ft) 4,789.4	Comment PJSM, RUN PREFLUSH 10 BBLS FW, 10 BBLS MF, 10 BBLS FW, FOLLOW W/SCAVENGER CONSISTING OF 20 SKS OR 11 BBLS PREMIUM LITE W/3% CaCl2, 0.25% CELLO-FLAKE 5 PPS LCM-1, 0.4% FL-52 AND 0.4% SMS (11.0PPG, 17.89 GAL/SK, 56CT FT, 3.02 CUFT/SK) LEAD W/660 SACKS OR 251 BBLS PREMIUM LITE W/3% CaCl2, 0.25% CELLO-FLAKE 5 PPS LCM-1, 0.4% FL-52 AND 0.4% SMS (12.1 PPG, 12.1 GAL/SK, 56CT FT, 2.13 CUFT/SK, 1,703 CUFT) TAIL IN W/120 SKS OR 29.5 BBLS TYPE III CEMENT W/1% CaCl2, 0.25PPS CELLO-FLAKE, AND 0.2% FL-52, 194 CUFT) DISPLACEMENT 186 BBLS,(135 BBLS CMT BACK TO SURFACE), RIG DOWN B-J,					Edit
Item Description	OD Nominal (in)	ID (in)	Wt (lbs/ft)	Grade	Jts	Len (ft)	Edit	
Casing Joints	7	6.366	23.00	L-80	114	4,730.45		
Float Collar	7	6.366	23.00	L-80	1	0.65		
Casing Joints	7	6.366	23.00	L-80	1	42.50		
Float Shoe	7	6.366	23.00	L-80	1	0.85		

Casing Description	Ris Date	Set Depth (ft-ft)	Comment																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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Cement				Edit
Description	Start Date	End Date	Comment	
Surface Casing Cement	12/6/2007	12/6/2007		

Pertinent Data Sheet

ConocoPhillips

Well Name: SAN JUAN 28-7 UNIT #249G

API/ UWI	Surface Legal Location	Field Name	License No.	State/Province	Well Configuration Type	Edit
3003930339	SEC 30, T4N, R23E, NMO, DORW	MV/DK COM		NEW MEXICO	DEVIATED	
Ground Elevation (ft)	Original KB/RT Elevation (ft)	KB- Ground Distance (ft)	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)		
5,947.00	5,962.00	15.00				

Cement

Description	Start Date	End Date	Comment	Edit
Intermediate Casing Cement	12/20/2007	12/20/2007	PJSM, RUN PREFLUSH 10 BBLs FW, 10 BBLs MF, 10 BBLs FVW, FOLLOW W/SCAVENGER CONSISTING OF 20 SKS OR 11 BBLs PREMIUM LITE W/3% CaCl ₂ , 0.25% CELLO-FLAKE 5 PPS LCM-1 0.4% FL-52 AND 0.4% SMS (11.0PPG, 17.89 GAL/SK, 56CT FT, 3.02 CUFT/SK) LEAD W/660 SACKS OR 251 BBLs PREMIUM LITE W/3% CaCl ₂ , 0.25% CELLO-FLAKE 5 PPS LCM-1, 0.4% FL-52 AND 0.4% SMS (12.1 PPG, 12.1 GAL/SK, 56CT FT, 2.13 CUFT/SK, 1,703 CUFT) TAIL IN W/120 SKS OR 29.5 BBLs TYPE III CEMENT W/1% CaCl ₂ , 0.25PPS CELLO-FLAKE, AND 0.2% FL-52. 194 CUFT) DISPLACEMENT 186 BBLs, (135 BBLs CMT BACK TO SURFACE), RIG DOWN B-J,	
Production Casing Cement	12/23/2007	12/23/2007	SCAVENGER 10 SKS (27.0 FT3) OR 5.5 BBL, PREMIUM LITE HS FM+0.25 PPS CELLO-FLAKE, 0.3% CD- 32, 6.25 PPS LCM-1, 1 % FL- 52, TAIL 220 SKS (349.5 FT3) OR 77.63 BBLs , PREMIUM LITE HS FM+0.25 PPS CELLO-FLAKE, 0.3% CD- 32, 6.25 PPS LCM-1, 1 % FL- 52, DISPLACEMENT 112 BBLs. PLUG BUMPED @ 12:41 HRS, 1,550 PLUG HELD	
Cement Plug	12/23/2007			

Tubing - Production set at 7,125.5ftKB on 3/10/2008 18:00

Tubing Description	Run Date	Set Depth (ft)	Comment	Edit
Tubing - Production	3/10/2008	7,125.5		

Item Description	OD Nominal (in)	ID (in)	Wt (lbs/ft)	Grade	Jts	Len (ft)	Top (ft)	Edit
Tubing	2 3/8	1.995	4.70	L-80	230	7,074.91	7,089.9	
Tubing Pup Joint	2 3/8	1.995	4.70	L-80	1	2.25	7,092.2	
Tubing	2 3/8	1.995	4.70	L-80	1	30.88	7,123.0	
Profile Nipple	2 3/8	1.810			1	0.80	7,123.8	
Pump Seating Nipple	2 3/8	1.780			1	0.78	7,124.6	
Mule Shoe (EXP CHK)	2 3/8	1.710			1	0.92		

Other In Hole

Description	Run Date	Top (ft)	Comment	Edit
Bridge Plug - Temporary	2/8/2008	5,330.0	COMPOSITE BRIDGE PLUG	
Bridge Plug - Temporary	2/13/2008	4,696.0		

Perforations

Date	Top (ft)	Bot (ft)	Zone	Comment
2/8/2008	4,838.0	5,220.0	DAKOTA, Original Hole	PERFORATE POINT LOOKOUT FORMATION W/BLUE JET W/ 3-1/8" HSC CSG GUN, SELECT FIRE W/ TITAN PPG-3112-321T, .34" DIA., 22.4" PENETRATION @ 1 SPF. 1 SPF 4838', 4848', 4854', 4860', 4874', 4918', 4924', 4928', 4934', 5006', 5010', 5018', 5022', 5026', 5030', 5034', 5038', 5044', 5054', 5066', 5076', 5092', 5100', 5106', 5134', 5142', 5164', 5186', 5210', 5220'. 30 HOLES
2/8/2008	7,036.0	7,168.0	DAKOTA, Original Hole	PERFORATE DAKOTA FORMATION W/ BLUE JET W/ 3-1/8" HSC CSG GUN, SELECT FIRE W/ TITAN PPG-3112-321T, .34" DIA., 22.4" PENETRATION @ 120 DEG. PHASING @ 1 & 2 SPF. 1 SPF 7036', 7040', 7044', 7048', 7052', 7056', 7060', 7064', 7068', 7072', 7076', 7080', 7084', 7088'. 14 HOLES 2 SPF 7108', 7112', 7114', 7116', 7126', 7128', 7130', 7132', 7138', 7140', 7142', 7156', 7158', 7160', 7162', 7164', 7166', 7168'. 36 HOLES 50 TOTAL HOLES

Pertinent Data Sheet

ConocoPhillips

Well Name: **SAN JUAN 28-7 UNIT #249G**

API/Well	Surface Legal Location	Field Name	License No	State/Province	Well Configuration Type	Edit
3003930339	SEC 30, T10N 022N, R10W 007W	MV/DK COM		NEW MEXICO	DEVIATED	
Ground Elevation (ft)	Original KB/RT Elevation (ft)	KB-Ground Distance (ft)	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)		
5,947.00	5,962.00	15.00				

Stimulations & Treatments

Hydraulic Fracture on 2/8/2008 13:15 Edit

Type	Zone	Comment
Hydraulic Fracture	DAKOTA, Original Hole	FRAC DAKOTA FORMATION. BROKE DOWN 2887 @ 3 BPM. BULLHEAD 10 BBLS 15% HCL ACID IN FRONT OF FRAC. PUMPED 103,824 GAL 60% SLICKWATER N2 FOAM VW 40,000# 20/40 TLC SAND. MAX PSI 5410, MIN PSI 3432, AVG PSI 3446, MAX RATE 56 BPM, MIN RATE 50 BPM, AVG RATE 56 BPM. ISIP 2107.

Hydraulic Fracture on 2/8/2008 16:00 Edit

Type	Zone	Comment
Hydraulic Fracture	MESA VERDE, Original Hole	FRAC PT LOOKOUT FORMATION. BROKE DOWN 3162 PSI @ 3 BPM. BULLHEAD 10 BBLS 15% HCL ACID IN FRONT OF FRAC. PUMPED 44,310 GAL 60% SLICKWATER N2 FOAM VW 100,000# 20/40 BRADY SAND & 1,019,300 SCF N2. MAX PSI 2890, MIN PSI 2379, AVG PSI 2635, MAX RATE 65 BPM, MIN RATE 50 BPM, AVG RATE 65 BPM. ISIP 1164. NOTE: THE 1.5 PPG SAND STAGE 35,681# INCLUDED PROP-NET