

Submit 1 Copy To Appropriate District
Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised August 1, 2011

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

WELL API NO: 30-021-20521
5. Indicate Type of Lease STATE ☐ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Bravo Dome 2132
8. Well Number 331
9. OGRID Number 16696
10. Pool name or Wildcat Bravo Dome 640
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4771.0 GR

SUNDY 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 ☒ **CO2**

2. Name of Operator
Oxy USA Inc.

3. Address of Operator
PO Box 4294, Houston TX 77210

4. Well Location
Unit Letter **G** **1700** feet from the **North** line and **1700** feet from the **East** line
Section **33** Township **21N** Range **32E** NMPM County **Harding**

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 ☐
DOWNHOLE COMMINGLE ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS ☒ P AND A ☐
CASING/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 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

See Attached

Spud Date:

7/14/11

Rig Release Date:

7/18/11

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

SIGNATURE **L. Lockett** TITLE **Reg. Analyst** DATE **3/28/12**
Type or print name **L. Kiki Lockett** E-mail address: **kiki-lockett@oxy.com** PHONE: **713-215-7643**
For State Use Only
APPROVED BY: **L. Martin** TITLE **DISTRICT SUPERVISOR** DATE **8/29/2012**
Conditions of Approval (if any):

Operation Summary Report

Well: BRAVO DOME UNIT 2132 331G
 Project: BRAVO DOME
 Site: BRAVO DOME C02 UNIT

Event Name: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT
 Start Date: 7/14/2011
 End Date: 7/18/2011

Rig Name: TRINIDAD 216

#	Date	Time Start-End	Hrs	Op Details
1	07/14/2011	12:00 - 16:00	4.00	PJSM - RIGGING DOWN & MOVING RIG & EQUIPT. & CAMP TO THE NEW LOCATION
		16:00 - 19:00	3.00	PJSM - MOVING RIG #216 & RIGGING UP RIG & ALL COMPONENTS TO SPUD THE "BD # 2132 331 G"
				NOTIFIED NMOC ED MARTIN OF RIG MOVE & SPUD DATE & TIME @ 5:00 PM
		19:00 - 00:00	5.00	SPUDDER 12 1/4" HOLE @ 19:00 HOURS (7:00 PM) 7/14/2011 DRILLED FROM: 0' TO 408' @ 81.60' / HR. ROTARY - 125 RPM WT. ON BIT - 5 - 15 K GPM - 380 PUMP PRES. - 900 PSI SAFETY BREAK: PICKING UP & HANDLING BHA & DRILL COLLARS
2	07/15/2011	00:00 - 06:00	6.00	PJSM - WIRE LINE SURVEY & SERVICE RIG - SURVEY @ 408' = 1.00 DEGREE DRILLED FROM: 408' TO 730' - 322' @ 58.54' / HR. ROTARY - 125 RPM WT. ON BIT - 15 - 35 K GPM - 380 PUMP PRES. - 900 PSI SAFETY BREAK: HOUSE KEEPING
		06:00 - 07:00	1.00	DRILLED FROM: 730' TO 801' - 71' @ 71 FT/HR. ROTARY - 125 RPM WT. ON BIT - 15 - 35 K GPM - 380 PUMP PRES. - 1000 PSI TD SURFACE HOLE @ 7:00 AM @ 801' - (20' RATHOLE) (8 5/8" SURFACE CSG. WILL BE SET @ 781' MD.) 121/4" SURFACE HOLE DRILLED TO 801' in 11 1/2 ROTATING HRS. = 69.65 FT/HR AVERAGE ROP
		07:00 - 08:00	1.00	CIRCULATE & CONDITION HOLE FOR 8 5/8" CSG.
		08:00 - 10:00	2.00	TRIP OUT OF HOLE TO RUN 8 5/8" CASING.
		10:00 - 11:00	1.00	RIG UP TO RUN 8 5/8" SURFACE CASING
		11:00 - 13:00	2.00	PJSM - RUNNING SURFACE CASING RUN 8 5/8" SURFACE CASING AS FOLLOWS: - TX PATTERN SHOE - 1 SHOE JOINT WITH INSERT FLOAT - 18 JOINTS OF 8 5/8" 24# J-55 STC SET AT 781'
		13:00 - 13:30	0.50	CIRC & COND HOLE FOR CEMENT & RIG DOWN CRT. & RIG UP HALCO
		13:30 - 14:30	1.00	PJSM - TEST LINES TO 2,500 PSI CEMENT AS FOLLOWS: PUMP 500 SACKS OF LEAD, MIXED TO 14.8PPG, 1.35 YELD AT 6.5BPM WITH 200 PSI DROPPED PLUG @ DISPLACED CEMENT WITH 46.4 BBLS FRESH WATER USING HALLIBURTON PUMP TRUCK AT 6 BPM WITH 277 PSI FINAL DISPLACEMENT PRESSURE. BUMP PLUG @ 14:30 WITH 535 PSI. HELD PRESSURE FOR 5 MINUTES. FLOAT HELD. CIRCULATE 58 BBLS TO PIT.
		14:30 - 18:30	4.00	W O C - CLEAN PITS. CLEAN & STRAIGHTEN UP LOCATION - SAFETY MEETING TOPIC - WORKING & STAYING HYDRATED IN HOT WEATHER.
		18:30 - 22:30	4.00	PJSM - BACK OUT LANDING JOINT - SCREW ON WELL HEAD & DRILLING FLANGE. N/U BOP & FLOWLINE TO BELL NIPPLE
		22:30 - 23:00	0.50	P/U LANDING JT. & 5 1/2" WELLHEAD MANDRILL & TEST BOP TO 1,000 PSI - TESTED GOOD
		23:00 - 00:00	1.00	PJSM - MAKE UP 7 7/8" BUTTON BIT & T I H TO TOP OF CEMENT @ 730'
3	07/16/2011	00:00 - 01:00	1.00	PJSM - MAKE UP 7 7/8" BUTTON BIT & T I H TO TOP OF CEMENT @ 730'
		01:00 - 01:30	0.50	CLOSE ANNULAR & TEST CASING TO 1,000 PSI - GOOD TEST

Operation Summary Report

Well: BRAVO DOME UNIT 2132 331G

Event Name: DEV DRILLING

Project: BRAVO DOME

Prim. Reason: ORIG DRILL VERT

Site: BRAVO DOME C02 UNIT

Start Date: 7/14/2011

End Date: 7/18/2011

Rig Name: TRINIDAD 216

#	Date	Time Start-End	Hrs	Op Details
		01:30 - 02:30	1.00	DRILL CEMENT & FLOAT EQUIPMENT
		02:30 - 06:00	3.50	DRILLING AHEAD FROM 801' TO 1,100' ROTARY - 85-100 RPM WT. ON BIT - 20-25 K GPM - 400 PUMP PRES. - 1100 PSI SAFETY BREAK: MAKING CONNECTIONS
		06:00 - 10:00	4.00	DRILLING AHEAD FROM 1,100' TO 1,250' ROTARY - 85-100 RPM WT. ON BIT - 20-25 K GPM - 400 PUMP PRES. - 1100 PSI WIRELINE SURVEY @ 1243' = 3/4 DEGREE SAFETY BREAK: RUNNING SURVEY
		10:00 - 14:00	4.00	DRILLING AHEAD FROM 1,250' TO 1,550' ROTARY - 85-100 RPM WT. ON BIT - 20-25 K GPM - 400 PUMP PRES. - 1100 PSI SAFETY BREAK: WORKING IN HOT WEATHER
		14:00 - 18:00	4.00	DRILLING AHEAD FROM 1,550' TO 1,750' ROTARY - 85-100 RPM WT. ON BIT - 20-25 K GPM - 400 PUMP PRES. - 1100 PSI WIRELINE SURVEY @ 1742' = 3/4 DEGREE SAFETY BREAK: RUNNING SURVEY
		18:00 - 22:00	4.00	DRILLING AHEAD FROM 1,750' TO 1,900' ROTARY - 85-100 RPM WT. ON BIT - 20-25 K GPM - 400 PUMP PRES. - 1100 PSI SAFETY BREAK: MIXING MUD & CHEMICALS (KCL)
		22:00 - 00:00	2.00	DRILLING AHEAD FROM 1,900' TO 2,000' ROTARY - 85-100 RPM WT. ON BIT - 20-25 K GPM - 400 PUMP PRES. - 1100 PSI SAFETY BREAK: HOUSEKEEPING
4	07/17/2011	00:00 - 02:00	2.00	DRILLING AHEAD FROM 2000' TO 2,065' ROTARY - 80 RPM WT. ON BIT - 30 K GPM - 400 PUMP PRES. - 1,200 PSI TOP OF CIMARRON @ 2,046' - BASE OF CIMARRON @ 2,065' - 19' THICK CIMARRON + 180 FT. + 10' RAT HOLE PUTS TD @ 2,255' MD.

Operation Summary Report

Well: BRAVO DOME UNIT 2132 331G

Event Name: DEV DRILLING

Project: BRAVO DOME

Prim. Reason: ORIG DRILL VERT

Site: BRAVO DOME C02 UNIT

Start Date: 7/14/2011

End Date: 7/18/2011

Rig Name: TRINIDAD 216

#	Date	Time Start-End	Hrs	Op Details
		02:00 - 06:00	4.00	DRILLING AHEAD FROM 2,065' TO 2,200' ROTARY - 80 RPM WT. ON BIT - 30 K GPM - 400 PUMP PRES. - 1,200 PSI SAFETY BREAK TOPIC: TAG LINES
		06:00 - 07:00	1.00	DRILLING AHEAD FROM 2,200' TO 2,255' TD WELL @ 2,255' @ 7:00 AM 7/17/2011 - 28 ROTATING HRS. = 39 TOTAL ROTATING HOURS THIS WELL ROTARY - 80 RPM WT. ON BIT - 30 K GPM - 400 PUMP PRES. - 1,200 PSI SAFETY BREAK TOPIC: TAG LINES
		07:00 - 08:00	1.00	PJSM - CIRC. & COND. HOLE FOR CASING JOB.
		08:00 - 10:30	2.50	PJSM - T O H & LDDP & BHA
		10:30 - 11:30	1.00	RIG UP CRT & TOOLS TO RUN 5 1/2" PROD. CASING - PJSM w/ALL PERSONELL
		11:30 - 15:30	4.00	RUN 5 1/2" PROD. CSG. AS FOLLOWS: 1 - FLOAT SHOE - 1.00 - 2,243.00' - 2,242.00' 1 - 5 1/2, 15.5# SHOE JT. 9.41 - 2,242.00' - 2,232.59' 5 - JTS. 5 1/2", 15.5# CSG. JTS. - 177.87 - 2,232.59' - 2,089.55' 70 - JTS. FIBER GLASS 5 1/2" - 2,042.01 - 2,089.55 - 14.00' 1 - LANDING JT. 51/2", 15.5# - 17.00 - 14.00 - - 4.00' - (STICK UP)
		15:30 - 16:00	0.50	CIRC & COND. HOLE FOR CEMENTING / RIG DOWN CRT TOOLS & RIG UP HALCO SERVICES & HOLD SAFETY & OPS MEETING.
		16:00 - 17:30	1.50	CEMENT 5 1/2" CASING AS FOLLOWS: PRESSURE TEST LINES TO 2500 PSI PUMPED 20 BBL FRESH WATER SPACER LEAD CEMENT: - 11.1 PPG PREMIUM PLUS WITH 2% CACL, 300 SACKS - 0.25 LBM/SACK POL E FLAKE - YIELD: 3.25 CUFT/SACK - SLURRY VOLUME: 170 BBLs - PUMP RATE: 6 BBL/MIN - CASING PRESSURE: 187 PSI TAIL CEMENT: - 13.2 PPG PREMIUM PLUS CEMENT WITH 2% CC, 150 SACKS - SLURRY VOLUME: 50 BBLs - 0.25 LBM/SACK POL E FLAKE - YIELD: 1.85 CUFT/SACK - PUMP RATE: 6 BBL/MIN - CASING PRESSURE: 120 PSI DISPLACE WITH 49.5 BBL OF FRESH WATER - PUMP RATE: 6.5 BBL/MIN - CASING PRESSURE: 480 PSI - BUMPED PLUG AT 1 BBL/MIN AT 1000PSI - NO CEMENT TO SURFACE
		17:30 - 21:30	4.00	CHAINED DOWN @ CEMENTING HEAD & W O C - 4 HOURS
		21:30 - 00:00	2.50	RIG DOWN WAIT ON WIRELINE TO RUN TEMP SURVEY
5	07/18/2011	00:00 - 04:00	4.00	RIGGING DOWN WAITING ON WIRELINE
		04:00 - 05:30	1.50	RUN TEMPERATURE SURVEY WITH RENAGADE WIRELINE. (SEND LOG TO ENG TO DETERMINE TOC)

Operation Summary Report

Well: BRAVO DOME UNIT 2132 331G

Event Name: DEV DRILLING

Project: BRAVO DOME

Prim. Reason: ORIG DRILL VERT

Site: BRAVO DOME C02 UNIT

Start Date: 7/14/2011

End Date: 7/18/2011

Rig Name: TRINIDAD 216

#	Date	Time Start-End	Hrs	Op Details
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05:30 - 06:00

0.50 FINISHING RIGGING DOWN

RELEASED RIG AT 06:00

OXY USA INC

Casing Report

Well: BRAVO DOME UNIT 2132 331G	Event Name: DEV DRILLING	Report Date: 7/16/2011
Project: BRAVO DOME	Prim. Reason: ORIG DRILL VERT	Report No.: 2
Site: BRAVO DOME C02 UNIT	Start Date: 7/14/2011	Wellbore: 00
Active Datum: Original KB @4,778.00ft (above Mean Sea Level)	End Date: 7/18/2011	

Assembly			Casing Flange			Status History	
Assembly Name: PRODUCTION CASING	Weight in Slips:		Manufacturer: VETCO GRAY			7/17/2011	INSTALLED
Nom. Size: 5.500 (in)	Hours Circ:		Model: VG CWCT				
Top MD: 12.00 (ft)	Fluid Lost:		Hanger Model:				
Landed MD: 2,243.00 (ft)	Vol Fluid Lost:		Packoff Model:				
Assembly Length: 2,231.00 (ft)			Top Flange Size/Rating: 5.500 (in)/2000 (psi)				
Liner Overlap:			Btm Flange Size/Rating:				

Components														
Component Name	Jts	Length (ft)		Btm MD (ft)	Nominal OD (in)	Nominal ID (in)	Drift ID (in)	Weight (ppf)	Grade	Threads	Manufacturer	Model	Serial No.	Cond
LANDING JOINT	1	17.00	12	29.00	5.500	4.892	4.767	17.00	J-55	LTC				
CASING JOINT(S)	70	2,025.72	29	2,054.72	5.500	4.892	4.767	17.00	J-55	LTC				
CASING JOINT(S)	5	177.87	2055	2,232.59	5.500	4.892	4.767	17.00	J-55	LTC				
SHOE JOINT	1	9.41	2233	2,242.00	5.500	4.892	4.767	17.00	J-55	LTC				
FLOAT SHOE	1	1.00	2242	2,243.00	5.500	4.892	4.767	17.00	J-55					

Jewelry						
Accessory Name	Manufacturer	Num	Spacing (ft)	Interval		How Fixed
CENTRALIZER	HALLIBURTON	23		Top MD (ft)	Btm MD (ft)	
				22.00	2,243.00	COUPLING

Remarks

OXY USA INC

Casing Report

Well: BRAVO DOME UNIT 2132 331G	Event Name: DEV DRILLING	Report Date: 7/15/2011
Project: BRAVO DOME	Prim. Reason: ORIG DRILL VERT	Report No.: 1
Site: BRAVO DOME C02 UNIT	Start Date: 7/14/2011	Wellbore: 00
Active Datum: Original KB @4,778.00ft (above Mean Sea Level)	End Date: 7/18/2011	

Assembly	Casing Flange	Status History
Assembly Name: SURFACE CASING Nom. Size: 8.625 (in) Top MD: 12.00 (ft) Landed MD: 781.00 (ft) Assembly Length: 769.00 (ft) Liner Overlap:	Manufacturer: VETCO GRAY Model: VG CWCT Hanger Model: Packoff Model: Top Flange Size/Rating: 8.625 (in)/3000 (psi) Btm Flange Size/Rating:	7/15/2011 INSTALLED

Components														
Component Name	Jts	Length (ft)		Btm MD (ft)	Nominal OD (in)	Nominal ID (in)	Drift ID (in)	Weight (ppf)	Grade	Threads	Manufacturer	Model	Serial No.	Cond
CASING JOINT(S)	18	725.03	12	737.03	8.625	8.097	7.972	24.00	J-55	STC	LONE STAR STEEL			
INSERT FLOAT	1	0.00	737	737.03	8.625	5.500	5.000	0.00			HALLIBURTON			
SHOE JOINT	1	42.97	737	780.00	8.625	8.097	7.972	24.00	J-55	STC	LONE STAR STEEL			
TEXAS PATTERN SHOE	1	1.00	780	781.00	8.625	7.875	7.000	0.00			HALLIBURTON			

Jewelry						
Accessory Name	Manufacturer	Num	Spacing (ft)	Interval		How Fixed
				Top MD (ft)	Btm MD (ft)	
CENTRALIZER		6		21.00	760.00	FLOATING

Remarks
VERY GOOD CASING & CEMENT JOB. PLUG DOWN @ 2:30 PM - 7/15/2011

PRIMARY Cementing Report

Well: BRAVO DOME UNIT 2132 331G	Event Name: DEV DRILLING	Report Date: 7/15/2011
Project: BRAVO DOME	Prim. Reason: ORIG DRILL VERT	Report No.: 1
Site: BRAVO DOME C02 UNIT	Start Date: 7/14/2011	Wellbore: 00
Active Datum: Original KB @4,778.00ft (above Mean Sea Level)	End Date: 7/18/2011	

General Job Information

Contractor: HALLIBURTON	Cemented Assembly: SURFACE CASING	Actual TOC MD: 12.00 (ft)
WOC Time:	Assembly Size: 8.625 (in)	TOC Locate Method: Cmt Returns at Surf
Foam: N	Assembly Btm MD: 781 (ft)	
Cement:		
Not Ready to FN	Assembly Set Date: 07/15/2011	Total Slurry in Well: 62.0 (bbl)
Static BHT:	Hole Size: 12.250 (in)	Excess Slurry Volume: 120.2 (bbl)
Returns: Full	Volume Lost: 0.0 (bbl)	Est Cmt Vol Returns to Surf: 58.0 (bbl)

Pipe Movement - Reciprocating

Rotating		Reciprocating	
Rotating Start:	Init Rot. Torque: (ft-lbf)	Reciprocate Start:	Stroke Length:
Rotating End:	Avg Rot. Torq.:	Reciprocate End:	Drag Wt. Up:
Rotating RPM:	Max Rot. Torq.:	Reciprocate SPM:	Drag Wt. Down:

Stage 1 - Primary

12 - 781 ft

CTU Used:	Top Plug Used: Y	Annular Flow:	Press. Prior to Bump: 275 (psi)
Circulate Prior: 1.00 (hr)	Bottom Plug Used:	Ann Press Held:	Bump Press.: 510 (psi)
Circulate Flow Rate: 400.0 (gpm)	Bumped Plug: Y	Float Held:	Press. Over Pumping: 500 (psi)
Circulate Press: 250 (psi)	Plug Catcher Used:	Pill Spotted Below Plug:	Duration Press. Held: 5.0 (min)

FRESH WATER

Pumping Start: 13:41	Slurry Type: SPACER	Total Slurry Volume: 0.0 (bbl)	Slurry Top MD:
Pumping End: 13:44	Class: C	Excess Slurry Percent: 100.00 (%)	Slurry Btm MD:
Rate: 5.00 (bbl/min)	Density: 8.33 (ppg)	Excess Measured By:	Total Water Vol Used: 0.0 (bbl)
Foam Job:	Yield: 1.0000 (ft ³ /sk)	Mix Water Ratio: 1.000 (gal/sk94)	Actual Sacks Used:
		Mix Method:	

LEAD CEMENT

Pumping Start: 13:45	Slurry Type: CEMENT	Total Slurry Volume: 120.2 (bbl)	Slurry Top MD:
Pumping End: 14:09	Class: C	Excess Slurry Percent: 100.00 (%)	Slurry Btm MD:
Rate: 6.00 (bbl/min)	Density: 14.80 (ppg)	Excess Measured By: Fluid Caliper	Total Water Vol Used: 75.6 (bbl)
Foam Job:	Yield: 1.3500 (ft ³ /sk)	Mix Water Ratio: 6.350 (gal/sk94)	Actual Sacks Used: 500
		Mix Method: Tub/Hopper	

FRESH WATER

Pumping Start: 14:11	Slurry Type: DISPLACEMENT	Total Slurry Volume: 0.0 (bbl)	Slurry Top MD:
Pumping End: 14:21	Class:	Excess Slurry Percent:	Slurry Btm MD:
Rate: 5.50 (bbl/min)	Density: 8.33 (ppg)	Excess Measured By:	Total Water Vol Used: 0.0 (bbl)
Foam Job:	Yield:	Mix Water Ratio:	Actual Sacks Used:
		Mix Method:	

Remarks

VERY GOOD CASING & CEMENT JOB - CIRCULATED 258 SX CEMENT TO SURFACE - PLUG DOWN @ 2:30 PM 7/15/2011

PRIMARY Cementing Report

Well: BRAVO DOME UNIT 2132 331G	Event Name: DEV DRILLING	Report Date: 7/16/2011
Project: BRAVO DOME	Prim. Reason: ORIG DRILL VERT	Report No.: 2
Site: BRAVO DOME C02 UNIT	Start Date: 7/14/2011	Wellbore: 00
Active Datum: Original KB @4,778.00ft (above Mean Sea Level)	End Date: 7/18/2011	

General Job Information

Contractor: HALLIBURTON	Cemented Assembly: PRODUCTION CASING	Actual TOC MD: 12.00 (ft)
WOC Time:	Assembly Size: 5.500 (in)	TOC Locate Method: Cmt Returns at Surf
Foam: N	Assembly Btm MD: 2243 (ft)	
Cement:		
Not Ready to FN	Assembly Set Date: 07/16/2011	Total Slurry in Well:
Static BHT:	Hole Size: 12.250 (in)	Excess Slurry Volume: 223.1 (bbl)
Returns: None	Volume Lost: 0.0 (bbl)	Est Cmt Vol Returns to Surf: 0.0 (bbl)

Pipe Movement - No Movement

Rotating		Reciprocating	
Rotating Start:	Init Rot. Torque: (ft-lbf)	Reciprocate Start:	Stroke Length:
Rotating End:	Avg Rot. Torq.:	Reciprocate End:	Drag Wt. Up:
Rotating RPM:	Max Rot. Torq.:	Reciprocate SPM:	Drag Wt. Down:

Stage 1 - Primary**12 - 2,243 ft**

CTU Used:	Top Plug Used:	Annular Flow:	Press. Prior to Bump:
Circulate Prior:	Bottom Plug Used:	Ann Press Held:	Bump Press.:
Circulate Flow Rate:	Bumped Plug:	Float Held:	Press. Over Pumping:
Circulate Press:	Plug Catcher Used:	Pill Spotted Below Plug:	Duration Press. Held:

FRESH WATER

Pumping Start: 16:25	Slurry Type:	Total Slurry Volume: 0.0 (bbl)	Slurry Top MD:
Pumping End: 16:27	Class:	Excess Slurry Percent:	Slurry Btm MD:
Rate: 5.00 (bbl/min)	Density: 8.33 (ppg)	Excess Measured By:	Total Water Vol Used: 0.0 (bbl)
Foam Job:	Yield:	Mix Water Ratio:	Actual Sacks Used:
		Mix Method:	

LEAD CEMENT

Pumping Start: 16:28	Slurry Type: CEMENT	Total Slurry Volume: 173.7 (bbl)	Slurry Top MD:
Pumping End: 16:56	Class: PREM PLUS	Excess Slurry Percent: 100.00 (%)	Slurry Btm MD:
Rate: 5.00 (bbl/min)	Density: 11.10 (ppg)	Excess Measured By:	Total Water Vol Used: 146.0 (bbl)
Foam Job:	Yield: 3.2500 (ft ³ /sk)	Mix Water Ratio: 20.440 (gal/sk94)	Actual Sacks Used: 300
		Mix Method:	
<u>Additive Name</u>	<u>Additive Type</u>	<u>Additive Conc.</u>	<u>Additive Amount</u>
CALC2	ACCELERATOR	2.000 % BWOC	12.00 Sacks
POL-E FLAKES	CIRCULATION LOSSES	0.250 lbs/sk	75.00 lbs

TAIL CEMENT

Pumping Start: 16:57	Slurry Type: CEMENT	Total Slurry Volume: 49.4 (bbl)	Slurry Top MD:
Pumping End: 17:10	Class: PREM PLUS	Excess Slurry Percent: 100.00 (%)	Slurry Btm MD:
Rate: 5.00 (bbl/min)	Density: 13.20 (ppg)	Excess Measured By:	Total Water Vol Used: 35.5 (bbl)
Foam Job:	Yield: 1.8500 (ft ³ /sk)	Mix Water Ratio: 9.950 (gal/sk94)	Actual Sacks Used: 150
		Mix Method:	
<u>Additive Name</u>	<u>Additive Type</u>	<u>Additive Conc.</u>	<u>Additive Amount</u>
CALC2	ACCELERATOR	2.000 % BWOC	6.00 Sacks
POL-E FLAKES	CIRCULATION LOSSES	0.250 lbs/sk	38.00 lbs

FRESH WATER

Pumping Start: 17:11	Slurry Type:	Total Slurry Volume: 0.0 (bbl)	Slurry Top MD:
Pumping End: 17:25	Class:	Excess Slurry Percent:	Slurry Btm MD:
Rate: 6.00 (bbl/min)	Density: 8.33 (ppg)	Excess Measured By:	Total Water Vol Used: 0.0 (bbl)
Foam Job:	Yield:	Mix Water Ratio:	Actual Sacks Used:
		Mix Method:	