

OCD Artesia R-111-POTASH

FORM APPROVED Form 3160-3 OMB No. 1004-0137 Expires March 31, 2007 (April 2004) UNITED STATES 5. Lease Serial No. DEPARTMENT OF THE INTERIOR NMNM103603 BUREAU OF LAND MANAGEMENT 6. If Indian, Allotee or Tribe Name APPLICATION FOR PERMIT TO DRILL OR REENTER 7. If Unit or CA Agreement, Name and No. DRILL REENTER la. Type of work: 8. Lease Name and Well No. lb. Type of Well: ✓ Oil Well Gas Well ✓ Single Zone Multiple Zone Goodnight 26 Federal #1 9. API Well No Name of Operator OXY USA Inc. 16696 30-015-10. Field and Pool, or Explora 3b. Phone No. (include area code) 3a. Address P.O. Box 50250 Midland, TX 79710 432-685-5717 4. Location of Well (Report location clearly and in accordance with any State requirements.*) 11. Sec., T. R. M. or 1803 FSL 31 FEL NESE(I) UNORTHODOX Sec 26 T23S R29E At proposed prod. zone 400 FNL 660 FWL NWNW(D) LOCATION 13. State 12. County or Parish 14. Distance in miles and direction from nearest town or post office* 6 miles northeast from Loving, NM Eddy NM Distance from proposed* 17. Spacing Unit dedicated to this well 16. No. of acres in lease 15 location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 31' 640 160 20. BLM/BIA Bond No. on file 19. Proposed Depth 151 18. Distance from proposed location* to nearest well, drilling, completed, ES0136 ESB 000 226 N/A 453' 12703'M 7664'V applied for, on this lease, ft 12604 23. Estimated duration Elevations (Show whether DF, KDB, RT, GL, etc.) 22. Approximate date work will start* 45 days 3071.5' GL 01/15/2012 24. Attachments The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form: 1. Well plat certified by a registered surveyor. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). 2. A Drilling Plan. -Operator certification 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). Such other site specific information and/or plans as may be required by the Name (Printed/Typed) 25. Signature **David Stewart** Title Regulatory Advisor Name (Printed/Typed) Jesse J. Juen Approved by (Signature) /s/ Jesse J. Juen STATE DIRECTOR Office Title NM STATE OFFICE Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Conditions of approval, if any, are attached. APPROVAL FOR TWO YEARS

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

*(Instructions on page 2)

CARLSBAD CONTROLLED WATER BASIN

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

SEE ATTACHED FOR CONDITIONS OF APPROVAL

APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED

OPERATOR CERTIFICATION

I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions that presently exist; that I have full knowledge of State and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements. Executed this day of SCPT., 2011.

Name:	Peter Lawrence	Koe
Position: _	Reservoir Management Te	eam Leader
Address:	5 Greenway Plaza, Suite 1	110, Houston, TX 77046
Telephone	e:713-215-7644	
E-mail: (o	ptional):peter_lawrenc	ce@oxy.com
Company:	:OXY USA Inc	
Field Rep	resentative (if not above signa	atory):Dusty Weaver
Address (If different from above): _P.O.	. Box 50250 Midland, TX 79710
Telephone	e (if different from above):	432-685-5723
E-mail (if	different from above):	calvin_weaver@oxy.com

OCD-ARTESIA

Form 3160-5 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

	FORM APPROVED OMB No 1004-0137
	Expires. July 31, 2010
5 Lease Serial No.	

0

501	Dito of Billio hall	NMNM-1	NMNM-103603					
Do not use this	NOTICES AND REPO form for proposals i Üse Form 3160-3 (A	to drill or to re-ente	r an	n, Allottee or Tribe	Name			
	T IN TRIPLICATE – Other	instructions on page 2	7 If Unit o	of CA/Agreement, 1	Name and/or No.			
1 Type of Well Oil Well Gas V	Well Other			8. Well Name and No. Goodnight 26 Federal #1H				
2 Name of Operator Oxy USA Inc.		9. API We 30-015-	9. API Well No 30-015-					
3a Address 5 Greenway Plaza, Suite 110 Houston, TX 77046-0521		ea code) 10 Field a	nd Pani or Explora	DRINA				
4 Location of Well (Footage, Sec., T. 1803 FSL 31 FEL, NESE, Sec 26, T23S, R29E	· · · · · · · · · · · · · · · · · · ·		y or Parish, State					
12 CHE	CK THE APPROPRIATE BO	OX(ES) TO INDICATE NA	TURE OF NOTICE, REPOR	T OR OTHER DA	ТА .			
TYPE OF SUBMISSION			TYPE OF ACTION					
Notice of Intent	Acidize Alter Casing	Deepen Fracture Treat						
Subsequent Report Funal Abandonment Notice	Casing Repair Change Plans Convert to Injection	_	New Construction Recomplete Other Plug and Abandon Temporarily Abandon					
13 Describe Proposed or Completed C the proposal is to deepen direction Attach the Bond under which the following completion of the invol testing has been completed. Final determined that the site is ready for The proposed plan is to construct a Section 26, T-23-S, R-29-E, Eddy (ally or recomplete horizontal work will be performed or proved operations. If the operation Abandonment Notices must or final inspection.)	lly, give subsurface location: ovide the Bond No. on file v on results in a multiple com be filed only after all require n the Goodnight 26 Fed 1	s and measured and true vertuenth BLM/BIA Required subpletion or recompletion in a remember, including reclamation Has laid out on the attach	cal depths of all per bsequent reports munew interval, a Form n, have been comple ed survey plat. T	rtinent markers and zones ust be filed within 30 days n 3160-4 must be filed once eted and the operator has			
	OK J Fac	st analyzed in Include u	APD FA-13 With APD	-77				
14 I hereby certify that the foregoing is	true and correct Name (Printe	ed/Typed)						
Jeremy Murphrey	Indicate the property of		idman, Sr.					

Signature

Signature

Title Landman, Sr.

Date //////

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

/s/ James Stovall

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

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.

(Instructions on page 2)



OXY USA Inc.

Box 4294, Houston, TX 77210-4294

Phone (713) 366-5119 Cell (832) 291-9168 Fax (713) 985-1859 Taylor_Cann@oxy.com

United States Department of the Interior Bureau of Land Management Carlsbad Field Office 620 East Greene Street Carlsbad, New Mexico 88220

Attention: Linda Denniston

RE: Goodnight 26 Federal # 1H

Eddy County, New Mexico

STATEMENT ACCEPTING-RESPONSIBILITY FOR OPERATIONS

OPERATOR NAME:

OXY USA Inc.

ADDRESS:

P.O. Box 4294

Houston, Texas 77210-4294

The undersigned accepts all applicable terms, conditions, stipulations, and restrictions concerning operations conducted on the leased land or portion thereof, as described below:

LEASE NO.: NMNM 103603

LEGAL DESCRIPTION:

Surface Location: 1803' FSL & 31' FEL

Bottom Hole Location: 400' FNL & 660' FWL

Section 26-T23S-R29E Eddy County, New Mexico

FORMATIONS: None

BOND COVERAGE: Nationwide

BLM BOND FILE NO.: ES-0136 ESB000224

OXY USA Inc

AUTHORIZED SIGNATURE:

Land Negotiator

DATE:

TITLE:

September 7, 2011

cc: David Stewart

The second secon

RECEIVED District 1 State of New Mexico Form C-102 Energy, Minerals & Natural Resources Department 5 2012 Revised October 12, 2000 MAR Submit to Appropriate District Office 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 1220 South St. Francis Dr. NMOCD ARTESIA State Lease- 4 Copies District III 1000 Rio Brazos Rd., Aztec, NM 87410 Fee Lease- 3 Copies District N Santa Fe, NM: 87505 1220 S. St. Francis Dr., Santa Fe, NM 87505 ☐ AMENDED REPORT WELL LOCATION AND ACREAGE DEDICATION PLAT API Number 30015-Property Nome Well Number GOODNIGHT 26 FEDERAL 1H OGRID No. Operator Name Elevation 16696 OXY USA INC. 3071.5 Surface Location UL or lot no. Section Township Range Lot Idn Feet from the North/South line | Feet from the East/West line County 26 23 SOUTH 29 EAST, N.M.P.M. SOUTH **EAST EDDY** 1803" 31' Bottom Hole Location If Different From Surface UL or lot no. Section Township Lot Idn Feet from the North/South line Feet from the East/West line County D 26 23 SOUTH 29 EAST, N.M.P.M. 400' **NORTH** 660' WEST **EDDY Dedicated Acres** Joint or Infill Consolidation Code Order No. No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the OPERATOR CERTIFICATION BOTTOM HOLE LOCATION NEW MEXICO EAST NAD 1927 Y=466504.1 X=614961.5 I hereby certify that the information contained herein is true and complete 660 to the best of my knowledge and LAT.: N 32.2819885° LONG.: W 103.9613415° belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a CAID AR SOOS SOANS contract with an owner of such a mineral or working interest, or to o voluntary pooling agreement or a compulsory pooling order heretofore entered by the division Printed Name SURVEYOR CERTIFICATION 31 Date 803 SURFACE LOCATION NEW MEXICO EAST NAD 1927 Y=463409.8 X=619602.0 LAT.: N 32.2734375' LONG.: W 103,9463623' Number ₩0# 080825WL-c (Rev. C) (KA)

AMENDED DRILLING PROGRAM

Operator Name/Number:

OXY USA Inc.

16696

Lease Name/Number:

Goodnight 26 Federal #1

Federal Lease No. NMNM103603

Pool Name/Number:

Laguna Salado Bone Springs, South

96857

Surface Location:

1803 FSL 31 FEL NESE(I) Sec 26 T23S R29E

Bottom Hole Location: 400 FNL 660 FWL NWNW(D) Sec 26 T23S R29E

Pilot Hole Proposed TD: 8022' TVD SL - Lat: 32.2734375

Horizontal Lateral 7322' 12604' TMD

BH - Lat: 32.2819885

Long: 103.9463623

Y= 463409.8 X= 619602.0

NAD - 1927

Long: 103.9613415

X = 614961.5

Y = 466504.1

NAD - 1927

Elevation:

3071.5' GL

1. Geologic Name of Surface Formation:

a. Permian

2. Estimated Tops of Geological Markers & Depths of Anticipated Fresh Water, Oil or Gas:

<u>Depth</u>	<u>Type</u>
263'	Formation
324 378	Formation
3051'	Formation
3201'	Oil/Gas
32311	Oil/Gas
4101'	Oil/Gas
5326'	Oil/Gas
6936'	Oil/Gas
7636'	Oil/Gas
	263' 324' 378 3051' 3201' 3231' 4101' 5326' 6936'

3. Casing Program:

Hole Size	Interval	OD Csq	<u>Weight</u>	<u>Collar</u>	<u>Grade</u>	Condition	Collapse Design Factor	Burst Design Factor	Tension Design Factor
17-1/2"	350'	13-3/8"	48	ST&C	H-4 0	New	2.69	2.33	2.16
				Hole filled v	vith 8.6# Mu	ıd	770#	1730#	
12-1/4"	3150'	9-5/8"	40	LT&C	L-80	New	3.14	1.26	1.81
				Hole filled v	vith 10.2# N	lud	3090#	5750#	
8-1/2"	12604'	5-1/2"	17	BT&C	L-80	New	1.65	1.29	1.7
DVT (@ 6000' - POS	ST @ 3200'		Hole filled v	vith 9.4# Mu	6290#	7740#		

Collapse and burst loads calculated using Stress Check with anticipated loads

4. Cement Program

a. 13-3/8" Surface

Circulate cement to surface w/ 480sx PP cmt w/ 2% CaCl2, 14.8ppg 1.35 yield

1708# 24hr CS 150% Excess

b. 9-5/8"

Intermediate Circulate cement to surface w/ 820sx HES light PP cmt w/ 5% Salt + .125#/sx

Poly-E-Flake + 5#/sx Gilsonite, 12.4ppg 2.10 yield 511# 24hr CS 105% Excess followed by 200sx PP cmt w/ 1% CaCl2, 14.8ppg 1.34 yield 2125# 24hr CS 105% Excess

c. 5-1/2" Production

Cement 1st stage w/ 1770sx Super H w/ .5% Halad-344 + .4% CFR-3 + 3#/sx Gilsonite + .3% HR-800 + .125#/sx Poly-E-Flake, 13.2ppg 1.59 yield 1372# 24hr CS 85% Excess, Calc TOC-5995'

Cement 2nd stage w/ 570sx HES light PP cmt w/ 3#/sx salt + .125#/sx Pheno Seal + 5#/sx Gilsonite, 12.4ppg 2.09 yield 511# 24hr CS 125% Excess followed by 200sx PP cmt, 14.8ppg 1.33 yield 1925# 24hr CS 200% Excess Calc TOC-3195'

Cement 3rd stage w/ 480sx HES Light PP cmt w/ 3#/sx Salt, 12.4ppg 1.98 yield 511# 24hr CS 35% Excess followed by 150sx PP cmt w/ 2% CaCl2, 14.8ppg 1.35 yield 2025# 24hr CS 35% Excess, Circ Surface

d. Pilot Hole Plug

Cement w/ 220sx CL H 50/50 Poz cmt w/ .5% CFR-3, 14.4ppg 1.25 yield 1960# 24hr CS 35% excess from 8022' to +/- 7522' followed by 220sx Cl H 50/50 Poz cmt w/ .5% CFR-3, 14.4ppg 1.25 yield 1960# 24hr CS 35% Excess from 7522' to +/- 7022' followed by 300sx PP cmt w/ 3% KCl w/ .75% CFR-3 + .2% HR-601, 17.5ppg .97 yield 4594# 24hr CS 35% excess from 7022' to +/- 6500'.

The above cement volumes could be revised pending the caliper measurement.

None

5. Pressure Control Equipment:

Surface

Production 13-5/8" 10M two ram stack w/ 5M annular preventer, 10M Choke Manifold

The 13 5/8" 10M blowout prevention equipment will be installed and operational after setting the 13 3/8" surface casing and the 5K conventional wellhead. Respectfully request that BOPE be treated as a 5M stack and tested as such.

All BOP's and associated equipment will be tested in accordance with Onshore Order #2 (250/5000 psi on rams for 10 minutes each and 250/3500 for 10 minutes for annular preventer, equal to 70% of working pressure) with a third party BOP testing service before drilling out the 13-3/8" casing shoe. Wellhead pressure rating will support this test and 13-3/8" casing will be protected from high pressure. Since the wellhead system is a multibowl design, this initial test will cover the requirements prior to drilling out the 9-5/8" casing shoe.

Pipe Rams will be operated and checked each 24-hour period and each time the drill pipe is out of the hole. These functional tests will be documented on the daily driller's log. A 2" kill line and 3" choke line will be accommodated on the drilling spool below the ram-type BOP. Other accessory BOP equipment will include a Kelly cock, floor safety valve, choke lines and choke manifold having a 5000 psi WP rating.

OXY requests that the entire system be tested as a 5000 psi WP rating.

OXY also requests a variance to connect the BOP outlet to the choke manifold using a co-flex hose that is manufactured by Contitech Rubber Industrial KFT. It is a 3" ID X 35' flexible hose rated to 10000psi working pressure. It has been tested to 15000psi and is built to API Spec 16C. Once the flex line is installed, it will be tied down with safety clamps, see attached for certifications.

6. Proposed Mud Circulation System

<u>Depth</u>	Mud Wt.	<u>Visc</u>	<u>Fluid</u>	Type System	
	ppq	sec	Loss		
0 - 350'	8.4-9.2	38-42	NC	Fresh Water/Spud Mud	
350 - 3150'	9.8-10.2		NC	Brine Water	
3150 - 6700'	8.8-9.0		NC	Cut Brine	
6700 - 8022' (Pilot)	9.0-9.4	34-36	8-10	Cut Brine Gel/LSND	
6700 - 12604' (Curve/Lateral)	9.0-9.4	34-36	8-10	Cut Brine Gel/LSND	

Pump high viscosity sweeps as needed for hole cleaning. The mud system will be monitored visually/manually as well as with an electronic PVT. The necessary mud products for additional weight and fluid loss control will be on location at all times.

7. Auxiliary Well Control and Monitoring Equipment:

- a. A Kelly cock will be in the drill string at all times.
- b. A full opening drill pipe stabbing valve having the appropriate connections will be on the rig floor at all times.
- c. Hydrogen Sulfide detection equipment will be in operation after drilling out the surface casing shoe until the production casing is cemented. Breathing equipment will be on location upon drilling the surface casing shoe until total depth is reached. If Hydrogen Sulfide is encountered, measured amounts and formations will be reported to the BLM.

8. Logging, Coring and Testing Program: See Colf

- a. Drill stem tests are not anticipated but if done will be based on geological sample shows.
- b. The open hole electrical logging program will consist of GR/RES/DES/NEU in Production Section -Pilot.
- c. No coring program is planned but if done will be sidewall rotary cores.
- d. Mud logging program will be initiated from 4000' to TD.

9. Potential Hazards:

No abnormal pressures, temperatures or H_2S gas are expected. The highest anticipated pressure gradient would be .45psi/ft. If H_2S is encountered the operator will comply with the provisions of Onshore Oil & Gas Order No. 6 No lost circulation is expected to occur. All personnel will be familiar with all aspects of safe operation of equipment being used to drill this well. Adequate flare lines will be installed off the mud/gas separator where gas may be flared safely.

10. Anticipated Starting Date and Duration of Operations:

Road and location construction will begin after the BLM has approved the APD. Anticipated spud date will be as soon as possible after BLM approval and as soon as a rig will be available. Move in operations and drilling is expected to take 45 days. If production casing is run, then an additional 30 days will be needed to complete the well and construct surface facilities and/or lay flow lines in order to place well on production.



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

(A CLW##### in the POD suffix indicates the POD has been replaced (R=POD has been replaced,

& no longer serves a water right file.)

O=orphaned, C≈the file is

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

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

closed)

Q Q Q

Depth Depth Water

POD Number

Code Subbasin County 64:16:4 Sec Tws Rng X Y Well Water Column

C 02797

2 3 22 23S 29E

596540 3572895* Average Depth to Water:

Minimum Depth:

Maximum Depth:

Record Count: 1

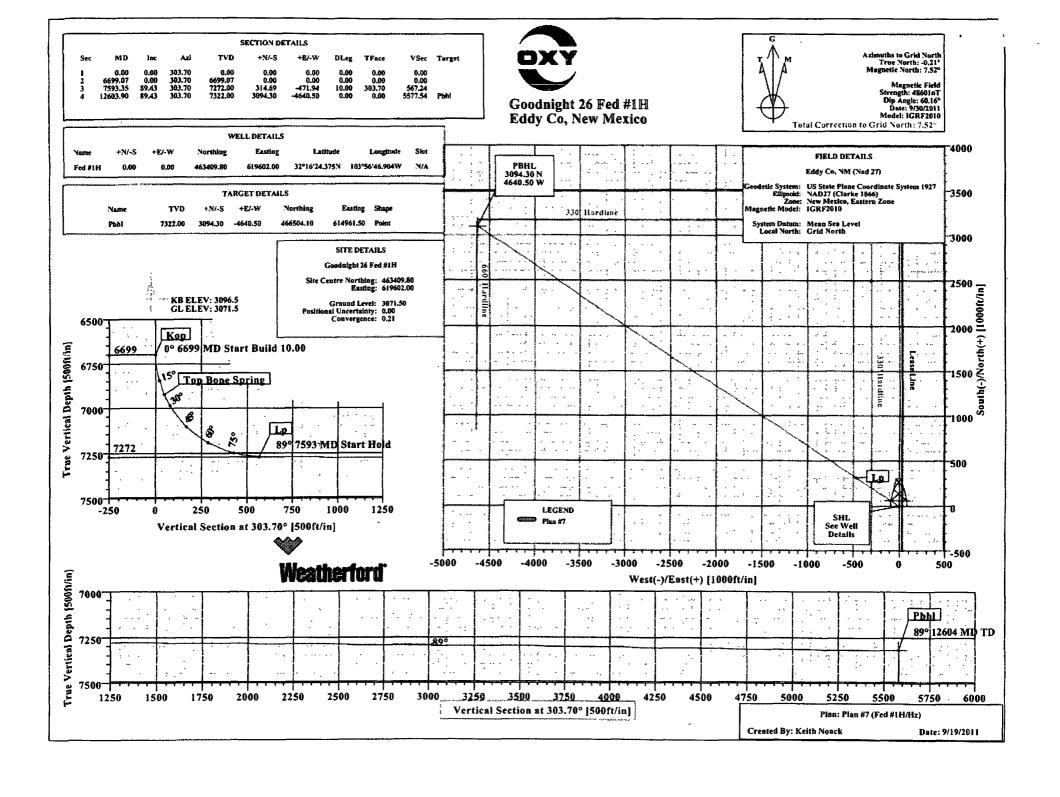
PLSS Search:

Section(s): 22, 23, 24, 25,

Township: 23S

Range: 29E

26, 27, 34, 35,





Weatherford International Ltd. WFT Plan Report - X & Y's



Company: Occidental Permian Ltd. Field: Eddy Co, NM (Nad 27) Site: Goodnight 26 Fed #1H

Fed #1H Well: Wellpath: Hz

Co-ordinate(NE) Reference: Well: Fed #1H, Grid North

Vertical (TVD) Reference: SITE 3096.5

Section (VS) Reference: Well (0.00N,0.00E,303.70Azi) Survey Calculation Method: Minimum Curvature Db: Sybase

Plan: Plan #7

Principal: Yes

Date Composed: Version:

8/30/2011

Tied-to:

From Surface

Field:

Eddy Co, NM (Nad 27)

Map SystemUS State Plane Coordinate System 1927

Geo Datum NAD27 (Clarke 1866) Sys Datum: Mean Sea Level

Man Zone:

New Mexico, Eastern Zone

Well Centre Coordinate System: **IGRF2010** Geomagnetic Model:

Goodnight 26 Fed #1H

Site Position: From: Мар

Ground Level:

Northing:

463409.80 ft

Latitude:

32 16 24.375 N

Position Uncertainty:

0.00 ft 3071.50 ft

619602.00 ft Easting:

Longitude: North Reference:

103 56 46.904 W Grid

Grid Convergence:

Slot Name:

0.21 deg

Well: Fed #1H

Well Position: +N/-S

+E/-W

0.00 ft Northing: 463409.80 ft 0.00 ft Easting: 619602.00 ft

Latitude: Longitude:

32 16 24.375 N 103 56 46.904 W

Position Uncertainty:

Wellpath: Hz

Magnetic Data:

Field Strength:

0.00 ft

Height 3096.50 ft

Drilled From:

Pilot 0.00 ft Tie-on Depth:

Above System Datum: Mean Sea Level Declination:

Mag Dip Angle:

7.73 deg 60.16 deg

48601 nT Vertical Section: Depth From (TVD) ft

9/30/2011

+N/-S ft

+E/-W ft

Direction deg

303.70

7313.40 0.00 0.00

Plan Section Information

Current Datum: SITE

MD ft	Incl deg	Azim deg	TVD ft	+N/-S (+E/-W ft	DLS deg/100	Build ft deg/100	Turn ft deg/100		Target		, ,
0.00	0.00	303.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
6699.07	0.00	303.70	6699.07	0.00	0.00	0.00	0.00	0.00	0.00			
7593.35	89.43	303.70	7272.00	314.69	-471.94	10.00	10.00	0.00	303.70			
12603.90	89.43	303.70	7322.00	3094.30	-4640.50	0.00	0.00	0.00	0.00	Pbhl		

Survey

MD ft .	lnci deg	Azim deg	TVD fi	N/S	E∕W ft	VS ft	DLS deg/100ft	MapN (t. /	MapE (t.	Commen
6600.00	0.00	303.70	6600.00	0.00	0.00	0.00	0.00 -	463409.80	619602.00	
6699.07	0.00	303.70	6699.07	0.00	0.00	0.00	0.00	463409.80	619602.00	Kop
6750.00	5.09	303,70	6749.93	1.26	-1.88	2.26	10.00	463411.06	619600.12	
6800.00	10.09	303.70	6799.48	4.92	-7.38	8.87	10.00	463414.72	619594.62	
6850.00	15.09	303.70	6848.26	10.97	-16.44	19.77	10.00	463420.77	619585.56	
6900.00	20.09	303.70	6895.91	19.35	-29.01	34.87	10.00	463429.15	619572.99	
6929.57	23.05	303.70	6923.40	25.38	-38.06	45.74	10.00	463435.18	619563.94	Top Bone Spring
6950.00	25.09	303.70	6942.05	30.00	-44.99	54.08	10.00	463439.80	619557.01	
7000.00	30.09	303.70	6986.35	42.84	-64.25	77.23	10.00	463452.64	619537.75	
7050.00	35.09	303.70	7028.47	57.78	-86.66	104.15	10.00	463467.58	619515.34	
7100.00	40.09	303.70	7068.07	74.70	-112.03	134.65	10.00	463484,50	619489.97	
7150.00	45.09	303.70	7104.87	93.47	-140.17	168.48	10.00	463503.27	619461.83	
7200.00	50.09	303.70	7138.58	113.94	-170.88	205,38	10.00	463523.74	619431.12	
7250.00	55.09	303.70	7168.94	135.97	-203.91	245.09	10.00	463545.77	619398.09	
7300.00	60.09	303.70	7195.73	159.38	-239.02	287.29	10.00	463569.18	619362.98	
7350.00	65.09	303.70	7218.74	184.00	-275.94	331.66	10.00	463593.80	619326.06	
7400.00	70.09	303.70	7237.79	209.64	-314.39	377.87	10.00	463619.44	619287.61	



Weatherford International Ltd. WFT Plan Report - X & Y's

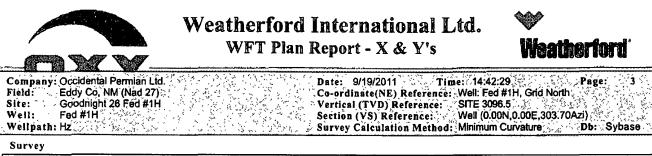


Company: Occidental Permian Ltd.

Field: Eddy Co, NM (Nad 27)
Site: Goodnight 26 Fed #1H
Well: Fed #1H
Wellpath: Hz

Date: 9/19/2011 Time: 14:42:29 Page: 2
Co-ordinate(NE) Reference: Well: Fed #1H, Gnd North
Vertical (TVD) Reference: SITE 3096.5
Section (VS) Reference: Well (0.00N,0.00E,303.70Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase Survey

7450.00			70E0.74						<u>ිල</u> ීබ්දු වර් 619247.93	, (X- V8', C , M 'A
7500.00 7500.00		303.70 303.70	7252.74 7263.48	236.10 263.18	-354.07 -394.69	425.57 474.38	10.00 10.00	463645.90 463672.98	619207.31	
7550.00	85.09	303.70	7269.93	290.68	-435.93	523.95	10.00	463700.48	619166.07	
7502.25	00.40	202 70	7070.00	244.60	474.04	507.04	40.00	462724 40	640420 06	l n
7593.35	89.43	303.70	7272.00	314.69	-471.94	567.24	10.00	463724.49	619130.06	Lp
7600.00	89.43	303.70	7272.06	318.38	-477.48	573.89	0.00	463728.18	619124.52	
7700.00	89.43	303.70	7273.06	373.86	-560.67	673.89	0.00	463783.66	619041.33	
7800.00	89.43	303.70	7274.06	429.33	- 64 3.87	773.88	0.00	463839.13	618958.13	
7900.00	89.43	303.70	7275.06	484.81	-727.06	873.88	0.00	463894.61	618874.94	
00.008	89.43	303.70	7276.05	540.28	-810.26	973.87	0.00	463950.08	618791.74	
8100.00	89.43	303.70	7277.05	595.76	-893.45	1073.87	0.00	464005.56	618708.55	
8200.00	89.43	303.70	7278.05	651.23	-976.65	1173.86	0.00	464061.03	618625.35	
8300.00		303.70	7279.05	706.71	-1059.85	1273.86	0.00	464116.51	618542.15	
	89.43	303.70	7280.05	762.18	-1143.04	1373.85	0.00	464171.98	618458.96	
8500.00	89.43	303.70	7204 04	047.66	1276.24	1472.05	0.00	464007.46	610276.76	
8600.00	89.43	303.70	7281.04 7282.04	817.66 873.13	-1226.24 -1309.43	1473.85 1573.84	0.00 0.00	464227.46 464282.93	618375.76 618292.57	
8700.00	89.43	303.70	7283.04	928.61	-1392.63				618209.37	
						1673.84	0.00	464338.41		
00.0088	89.43	303.70	7284.04	984.08	-1475.82	1773.83	0.00	464393.88	618126.18	
8900.00	89.43	303.70	7285.04	1039.56	-1559.02	1873.83	0.00	464449.36	618042.98	
9000.00	89.43	303.70	7286.03	1095.03	-1642.21	1973.82	0.00	464504.83	617959.79	
9100.00	89.43	303.70	7287.03	1150.51	-1725.41	2073.82	0.00	464560.31	617876.59	
9200.00	89.43	303.70	7288.03	1205.98	-1808.61	2173.81	0.00	464615.78	617793.39	
9300.00	89.43	303.70	7289.03	1261.46	-1891.80	2273.81	0.00	464671.26	617710.20	
9400.00		303.70	7290.03	1316.93	-1975.00	2373.80	0.00	464726.73	617627.00	
3400.00	05.45	303.70	1230.00	10.00	-1513.00	2373.00	0.00	404720.73	017027.00	
9500.00	89.43	303.70	7291.02	1372.41	-2058.19	2473.80	0.00	464782.21	617543.81	
9600.00	89.43	303.70	7292.02	1427.88	-2141.39	2573.79	0.00	464837.68	617460.61	
9700.00	89.43	303.70	7293.02	1483.36	-22 2 4.58	2673.79	0.00	464893.16	617377.42	
9800.00	89.43	303.70	7294.02	1538.83	-2307.78	2773.78	0.00	464948.63	617294.22	
9900.00	89.43	303.70	7295.02	1594.31	-2390.98	2873.78	0.00	465004.11	617211.02	
00.000	89.43	303.70	7296.01	1649.78	-2474.17	2973.77	0.00	465059.58	617127.83	
0100.00	89.43	303.70	7297.01	1705.26	-2557.37	3073.77	0.00	465115.06	617044.63	
0200.00	89.43	303.70	7298.01	1760.74	-2640.56	3173.76	0.00	465170.54	616961.44	
0300.00	89.43	303.70	7299.01	1816.21	-2723.76	3273.76	0.00	465226.01	616878.24	
0400.00	89.43	303.70	7300.01	1871.69	-2806.95	3373.75	0.00	465281.49	616795.05	
0500.00 0600.00	89.43 89.43	303.70 303.70	7301.00	1927.16	-2890.15	3473.75	0.00	465336.96	616711.85	
			7302.00	1982.64	-2973.34	3573.74	0.00	465392.44	616628.66	
0700.00	89.43	303.70	7303.00	2038.11	-3056.54	3673.74	0.00	465447.91	616545.46	
00.0080	89.43	303.70	7304.00	2093.59	-3139.74	3773.73	0.00	465503.39	616462.26	
0900.00	89.43	303.70	7305.00	2149.06	-3222.93	3873.73	0.00	465558.86	616379.07	
1000.00	89.43	303.70	7305.99	2204.54	-3306.13	3973.72	0.00	465614.34	616295.87	
1100.00		303.70	7306.99	2260.01	-3389.32	4073.72	0.00	465669.81	616212.68	
1200.00	89.43	303.70	7307.99	2315 49	-3472.52	4173.71	0.00	465725.29	616129.48	
1300.00	89,43	303.70	7308.99	2370.96	-3555.71	4273.71	0.00	465780.76	616046.29	
1400.00	89.43	303.70	7309.99	2426.44	-3638.91	4373.70	0.00	465836.24	615963.09	
1500.00	89.43	303.70	7310.98	2481.91	-3722.11	4473.70	0.00	465891.71	615879.89	
1600.00	89.43	303.70	7310.98	2537.39	-3805.30	4573.69	0.00	465947.19	615796.70	
1700.00	89.43	303.70	7311.98	2592.86	-3888.50	4673.69	0.00	465002.66	615713.50	
1800.00	89.43	303.70	7312.98							
1900.00	89.43	303.70	7313.98	2648.34 2703.81	-3 97 1.69 -4054.89	4773.68 4873.68	0.00 0.00	466058.14 466113.61	615630.31 615547.11	
2000.00		303.70	7315.97	2759.29	-4138.08	4973.67	0.00	466169.09	615463.92	
2100.00	89.43	303.70	7316.97	2814.76	-4221.28	5073.67	0.00	466224.56	615380.72	
	89,43	303.70	7317.97	2870.24	-4304.48	5173.66	0.00	466280.04	615297.52	
2300.00	89.43	303.70	7318.97	2925.71	-4387.67	5273.66	0.00	466335.51	615214.33	



Weatherford International Ltd. WFT Plan Report - X & Y's



MD ft	Incl deg	Azim deg	TVD*/ {} ft'<	N/S ft		Vs) 〉(ft))。	DLS deg/100ft	MapN ft	MapE *ft	Commen
12500.00	89.43	303.70	7320.96	3036.66	-4554.06	5473.65	0.00	466446.46	615047.94	Pbhl
12603.90	89.43	303.70	7322.00	3094.30	-4640.50	5577.54	0.00	466504.10	614961.50	

Targets

Name	Description TVD Dip. Dir. ft	+N/-S	+ E /-W	Map Map Northing Easting ft ft	Z Deg	Latitude Min Sec	> < Deg	Longitude
Pbhi	7322.00	3094.30	-4640.50	466504.10 614961.50	32	16 55.159 N	103	57 40.830 W

Casing Points

MD Dlameter Hole Size Name	
1	

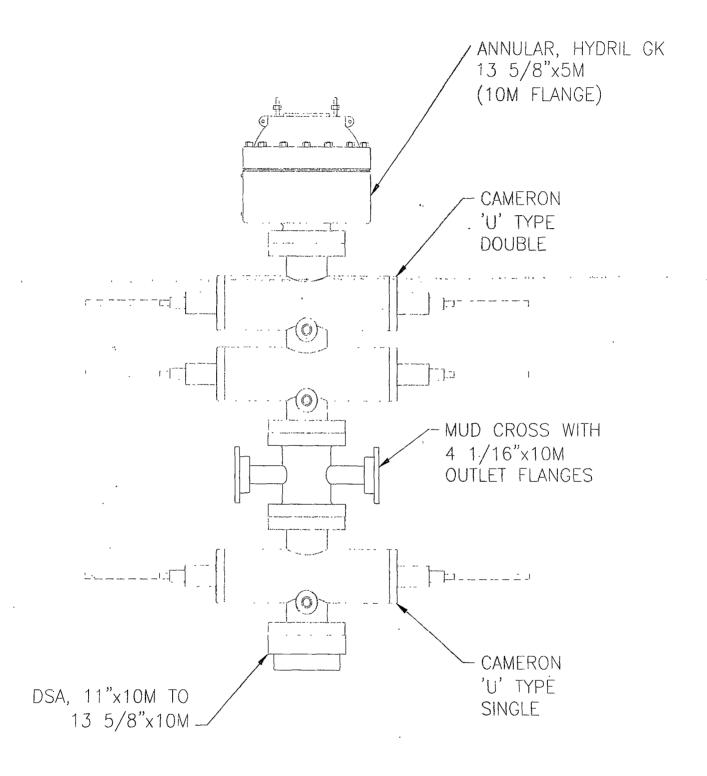
Annotation

MD TVD		
6699.07 6699.07 7593.35 7272.00 12603.89 7322.00	Kop Lp Pbhl	

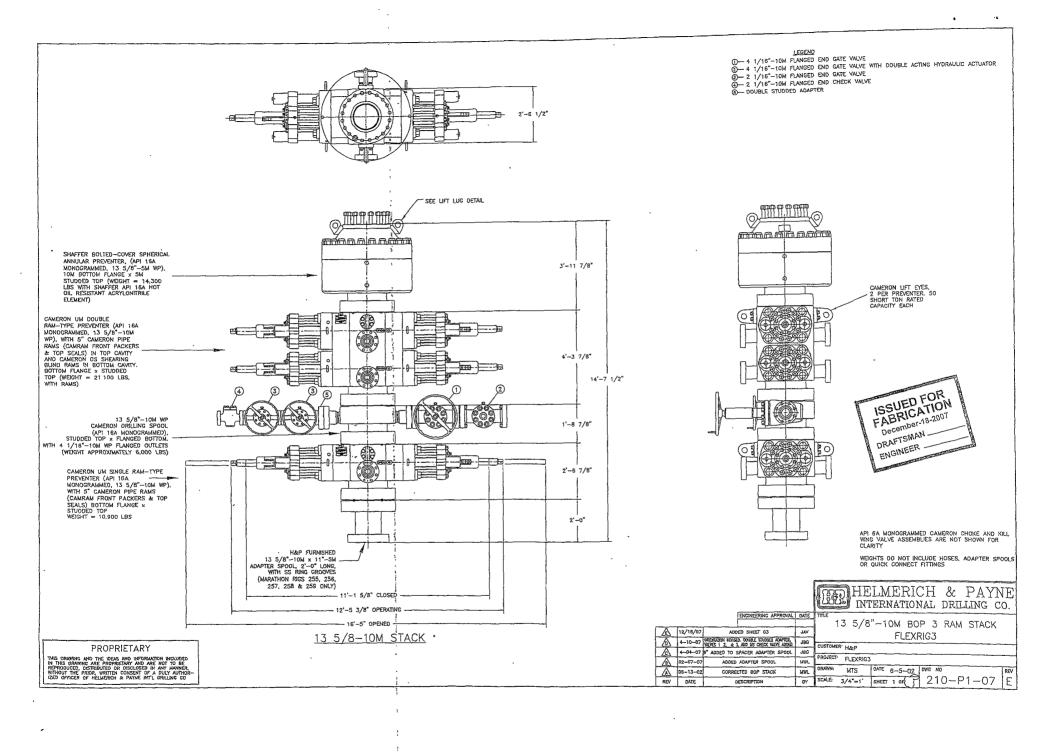
Formations

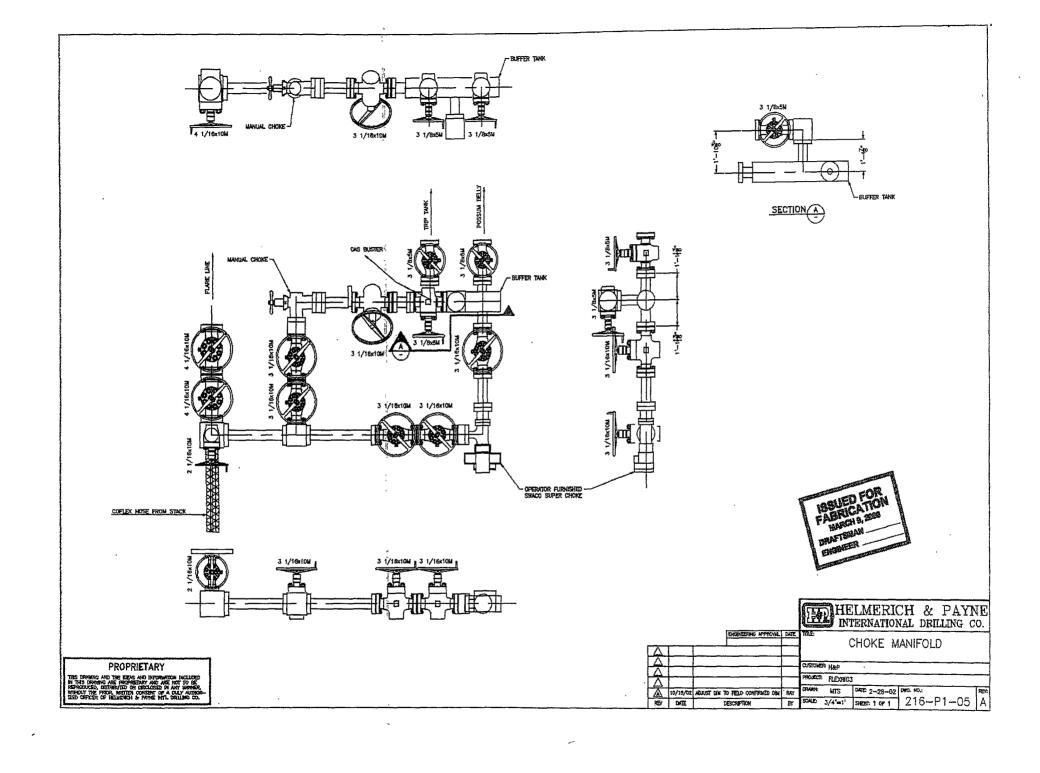
* MD /	TVD ft	Formations	Lithology	dea 🐃	e Dip Diřection
6929.57	6923.40	Top Bone Spring		0.00	0.00



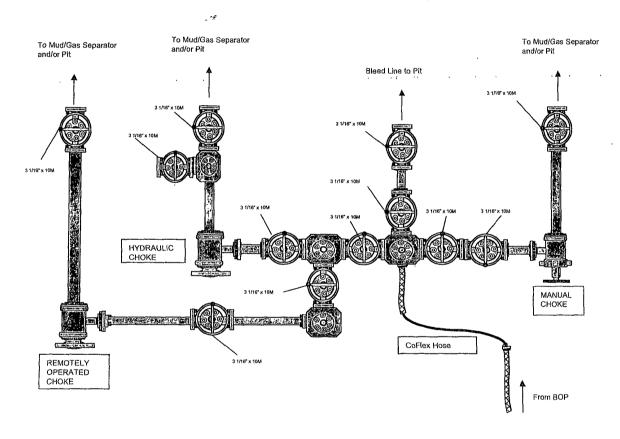


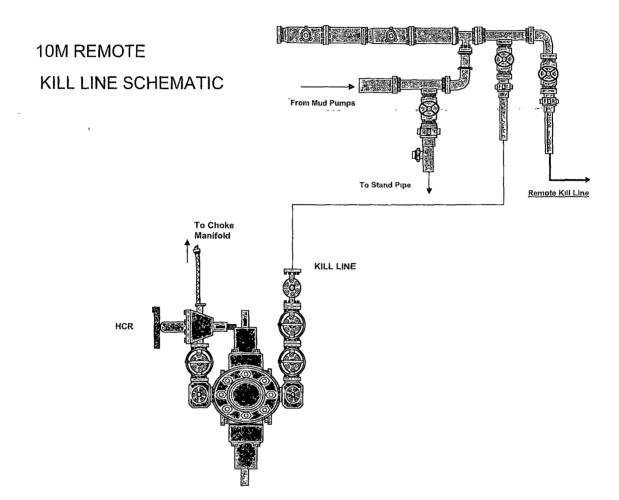
BOP STACK

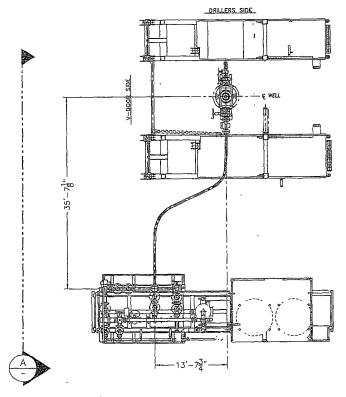


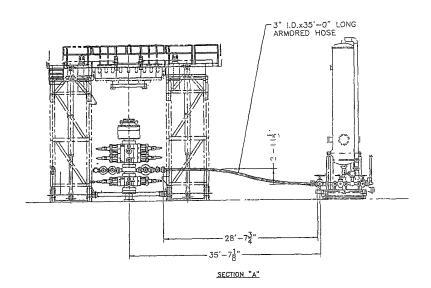


10M CHOKE MANIFOLD CONFIGURATION











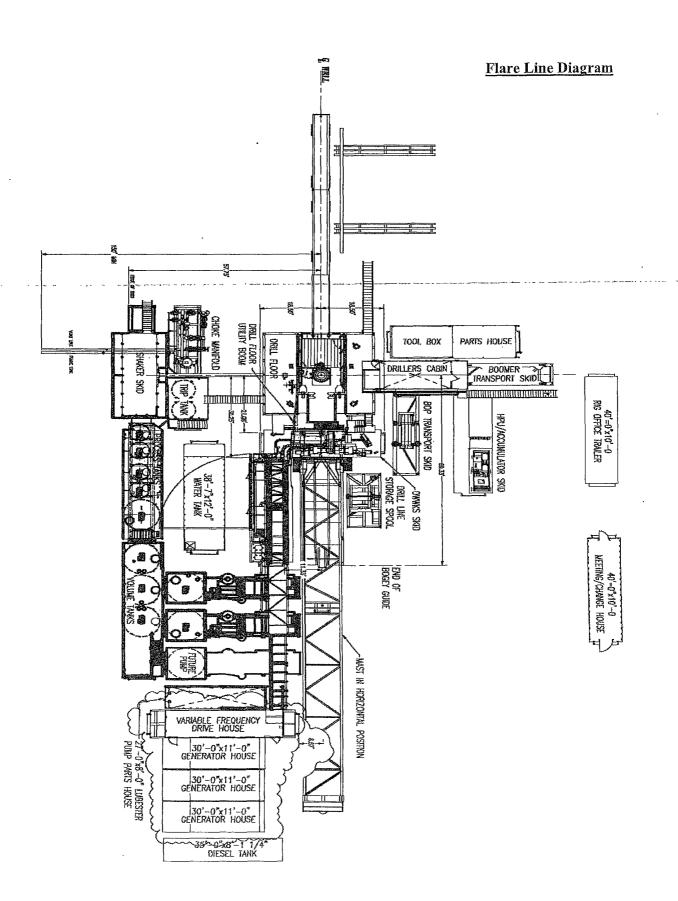
PLAN VIEW

PROPRIETARY

THIS ORAWING AND THE DESS AND INFORMATION INCLUDED IN THIS DRAWING ANE PROPRIETARY AND ARE NOT TO BE REPRODUCED, DISTRIBUTED OR DISCLOSED IN ANY MANNER, WITHOUT THE PRIOR, WRITTEN CONSENT OF A DULY AUTHOR LEDG OFFICIER OF HELLMONE, PAINE INT'L DRILLING CO.

HELMERICH & PAYNE INTERNATIONAL DRILLING CO.

		ENGINEERING APPROVAL	DATE	CHOKE LINE SYSTEM	٦
$\overline{}$				- CLIONE FINE SISTEM	- 1
 				FLEXRIG3	- {
$\Box \Delta$				CUSTOMER	
	1		(- 1
- ^				PROJECT	
					- 1
A	12/18/07	REMOVED SHEET TOTAL CALLOUT	JAV		Ξv
REV	DATE	DESCRIPTION	BY	SCALE 3/16"=1' SHEET 2 OF 3 210-P1-07 A	4



Coflex Hose Certification



Fluid Technology

Quality Document

CERTIFICATE OF CONFORMITY

Supplier : CONTITECH RUBBER INDUSTRIAL KFT.

Equipment: 6 pcs. Choke and Kill Hose with installed couplings

Type: 3" x 10,67 m WP: 10000 psi

Supplier File Number : 412638

Date of Shipment : April. 2008

Customer : Phoenix Beattie Co.

Customer P.o. : 002491

Referenced Standards

/ Codes / Specifications: API Spec 16 C

Serial No.: 52754,52755,52776,52777,52778,52782

STATEMENT OF CONFORMITY

We hereby certify that the above items/equipment supplied by us are in conformity with the terms, conditions and specifications of the above Purchaser Order and that these items/equipment were fabricated inspected and tested in accordance with the referenced standards, codes and specifications and meet the relevant acceptance criteria and design requirements.

COUNTRY OF ORIGIN HUNGARY/EU

Signed:

ontiTech Rubber Industrial Rft. Quality Control Dept.

(1) Innitrà mattett

Date: 04. April. 2008

Position: Q.C. Manager

				Desire.													-	-			1			-								1	1			-	-	-		1	h	1	N		csa (
	-	4 4 THE PERSON OF THE PERSON O	1	1							,	72							-	-							,		19	4		-				Methoday of	and the second second second second	#			1				CAR on Rubber trial Kft. ontrol Dep (1)
脚		+	1									-		100				-			- CI - F	ŀ		I							A			Terment of the second	-	or desired the second s	-	disease of the		ı	1			9	(1) Currer to ch
	- Sample		1	7				2	1		-					-					1				-	-					The trace of					-	-	The state of the s							
H	1	*** * * * * * * * * * * * * * * * * * *	1	1				4		-	•							ŀ	Į.	•	**		-											Carrie and a second	-	-			-						
		÷	b		ŀ	1	1				ı						İ	1							-						-				***************************************										
		7		475	1			i	l.			1	J		4			ŀ				Т	T		-			-					Same Said Substantive			-	-	-	-				*		(
	+	* * * * * * * *	13				1		ŀ	ľ				,			A STATE OF THE PARTY OF THE PAR	ŀ		Ī	- Continue de la Cont	Ţ.	٣	-	-				-						4	-	1	T	Ť	-					
	+	*:	1				Ī						41			r	THE RESERVE OF THE PARTY OF THE	al for birman of square.	-	ĺ		ľ		-	-										- Comment	Winnesder Steam	- Commence	-				-	L	The same of the sa	
	+	13.	-			-		-		-	-	-	-					-		-	-			_				-					*		-	2	+	rļ,	A COUNTY OF THE PARTY OF	- Sanditanania de la constanta della constanta de la constanta de la constanta de la constanta	Town or other Party of the Part	The state of the s	-	-	
45	Ī	П	1	1	1	١					-	-				***	1	The state of the s		-	-		-	-	Salara de La Caracterio		The second second	Character Street, and the					-		-	-	-			¥.	The state of the state of the state of	1	-		
			-	11.	1	-		l		-			-					Activities and delications and		-	-	-	-		1	-	Sandarde serves de la face	× 1		Contract of the Party of the Pa		-			7	-	Townson, and the second	And addition of the last	The same was the same	-	Particular Commission of the Particular Commi	-		-	
	-		*	1	+		-	-	-	-						-	-			- C.	-	1	-	Section of the party and	-	-	The section of the last of the	The state of the last	The second line of the last of	-							· Salaran and Sala			***************************************	-	-	Philipsellman to See	and an arrangement	

**************************************	oenix Bea	ttie	Materia	l Iden	tificati	on Certifi	cate			
PA No 006:	330 Client HE	LMERICH & PAY	YNE INT'L DRILLING	Clent	Ref 3	70-369-001			Page	1
Part No	Description	Material Desc	Material Spec	Qty	WO No	Batch No	Test Cert No	Bin No	Drg No	AV
HP10CK3A-35-4F1	3" 10K 16C CMK HOSE x 35ft OAL			1	2491	52777/H884	1000 001110	WATER	DIG NO	Issue No
SECK3-HPF3	LIFTING & SAFETY EQUIPMENT TO			1	2440	002440	 	N/STX		
SC725-200CS	SAFETY CLAMP 200NN 7,257	CARBON STEEL	·······	1	2619	H665	1	220		<u> </u>
SC725-132CS	· SAFETY CLAMP 132MM 7.25T	CARBON STEEL		1		H139		22		ļ
					1	1			**************************************	<u> </u>
						1	à.			
			**************************************	1	1	1	7			
	-	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			T					
				T						
				<u> </u>	1	1 .	13			
			····	1	1					<u> </u>
**************************************			***************************************	1						
				 	1		<u> </u>		· · · · · · · · · · · · · · · · · · ·	
					1	1				
					<u> </u>		1 7			
					 		u u			
	1			†	1	1	1			
(1	 		ļ .			
	3			 	+	<u> </u>				
	 		***************************************	1	 	ŧ				
	<u> </u>	h		 	 	 				
		<u> </u>		1	 	1		† — — — — — — — — — — — — — — — — — — —		
				1	T	T		 		
		ļ		1	+	 	ii.	 		1
			······································	1	1	 	1 :	T		
~,····	1	 	100 to	1	 	 	1 2	T		
			······································	1	1	1	1 1	 		1
	<u> </u>			1	1	1		1 .		1
				1	1	1	i i	1	 	

We hereby certify that these goods have been inspected by our Quality Management System, and to the best of our knowledge are found to conform to relevant industry standards within the requirements of the purchase order as issued to Phoenix Beattle Corporation.



Coflex Hose Certification

Form No 100/12

→ PHOENIX Beattie

Phoenix Beattle Corp 11535 Brittacore Park Drive Houston, TX 77041 Tel: (832) 327-0141 Fax: (832) 327-0148 E-satl satifishcenisheattle.coz www.phoenisheattle.coz

Delivery Note

Customer Order Number	370-369-001	Delivery Note Number	003078	Page	1
Customer / Invoice Address HELMERICH & PAYNE INT'L (1437 SOUTH BOULDER TULSA, OK 74119		Delivery / Address HELMERICH & PAYNE IDC ATTN: JOE STEPHENSON - RI 13609 INDUSTRIAL ROAD HOUSTON, TX 77015	G 370		

Customer Acc No	Phoenix Beattle Contract Manager	Phoenix Beattle Reference	Date	ĺ
H01	U)L	006330	05/23/2008	

item No	Beattle Part Number / Description	Oty Ordered	Qty Sent	Oty To Follow
1	HP10CK3A-35-4F1 3" 10K 16C C&K HOSE x 35ft OAL CW 4.1/16" API SPEC FLANGE E/ End 1: 4.1/16" 10Kpsi API Spec 6A Type 6BX Flange End 2: 4.1/16" 10Kpsi API Spec 6A Type 6BX Flange C/w BX155 Standard ring groove at each end Suitable for H2S Service Working pressure: 10,000psi Test pressure: 15,000psi Standard: API 16C Full specification Armor Guarding: Included Fire Rating: Not Included Temperature rating: -20 Deg C to +100 Deg C		1	
	SECK3-HPF3 LIFTING & SAFETY EQUIPMENT TO SUIT HP10CK3-35-F1 2 x 160mm ID Safety Clamps 2 x 244mm ID Lifting Collars & element C's 2 x 7ft Stainless Steel wire rope 3/4" OD 4 x 7.75t Shackles		1	0
- 1	SC725-200CS SAFETY CLAMP 200MM 7.25T C/S GALVANISED .	1	1	0

Continued...

All goods remain the property of Phoenix Beattle until peld for In full. Any damage or shortage on this delivery must be advised within 5 days. Returns may be subject to a handling charge.

Coflex Hose Certification



Fluid Technology

Quality Document

QUALI INSPECTION	ITY CONT		ATE	CERT.	ήο:	746	
PURCHASER:	Phoenix Bea	ittle Co.		P.O. N°:	(002491	
CONTITECH ORDER N°:	412638	HOSE TYPE:	3" D	Ch	oke and K	(iii Hose	dala paramenta de s
HOSE SERIAL Nº:	52777	NOMINAL / ACT	UAL LENGTH:		10,67 m	1	
W.P. 68,96 MPa 1	0000 psi	T.P. 103,4	MPa 1500	D psi	Duration:	60 ~	min.
Pressure test with water at ambient temperature 10 mm = 10 Mm > 10 mm = 25 MP		attachment.	(1 page)				
→ 10 mm = 25 MPa		COUPL	INGS	dickere in well-min			**************************************
Туре		Serial N°		Quality	200,000,000,000,000,000,000	Heat N'	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
3" coupling with	917	913	AIS	1 4130		T7998A	······································
4 1/16" Flange end			AIS	1 4130		26984	
INFOCHIP INSTALL	ED		,			API Spec 1 emperature	
WE CERTIFY THAT THE ABOVE PRESSURE TESTED AS ABOVE	E HOSE HAS BE WITH SATISFA	EN MANUFACTUR	ED IN ACCORE	ANCE W	ITH THE TE	RMS OF THE OF	RDER AND
Date:	Inspector	i kana amana kana kana kana kana kana kan	Quality Contro	l			
04. April. 2008	up personal annual mangan mangana mangan	CONCENSION I PORTO Aproximate para hay and	African (Ini	iTech Rubb leatrial Kit y Control Do (1)	ia	(

Form No 100/12

PHOENIX Beattie

Phoenix Beattle Corp

PILOGINX DEQUIES C 11535 Brittoner Park Drive Houston, TX 77041 Tel: (832) 327-0141 Fax: (832) 327-0148 6-mail mail@phwenixbeattle.com

Delivery Note

Customer Order Number	370-369-001	Delivery Note Number	003078	Page	2
Customer / Invoice Addre HELMERICH & PAYNE INT'L 1437 SOUTH BOULDER TULSA, OK 74119		Delivery / Address HELMERICH & PAYNE IDC ATTN: JOE STEPHENSON - RI- 13609 INDUSTRIAL ROAD HOUSTON, TX 77015	G 370		

Customer Acc'No	Phoenix Beattle Contract Manager	Phoenix Beattle Reference	Date
HO1		006330,	05/23/2008

Item No	Beattle Part Number / Description	Qty Ordered	Qty Sent	Oty To Follow
4	SC725-132CS SAFETY CLAMP 132MM 7.25T C/S GALVANIZED C/W BOLTS	1	1	0
	OOCERT-HYDRO HYDROSTATIC PRESSURE TEST CERTIFICATE	1.	1	0
6	OUCERT-LOAD LOAD TEST CERTIFICATES	1	1	0
	OOFREIGHT INBOUND / OUTBOUND FREIGHT PRE-PAY & ADD TO FINAL INVOICE NOTE: MATERIAL MUST BE ACCOMPANIED BY PAPERWORK INCLUDING THE PURCHASE ORDER, RIG NUMBER TO ENSURE PROPER PAYMENT		1	0
				,

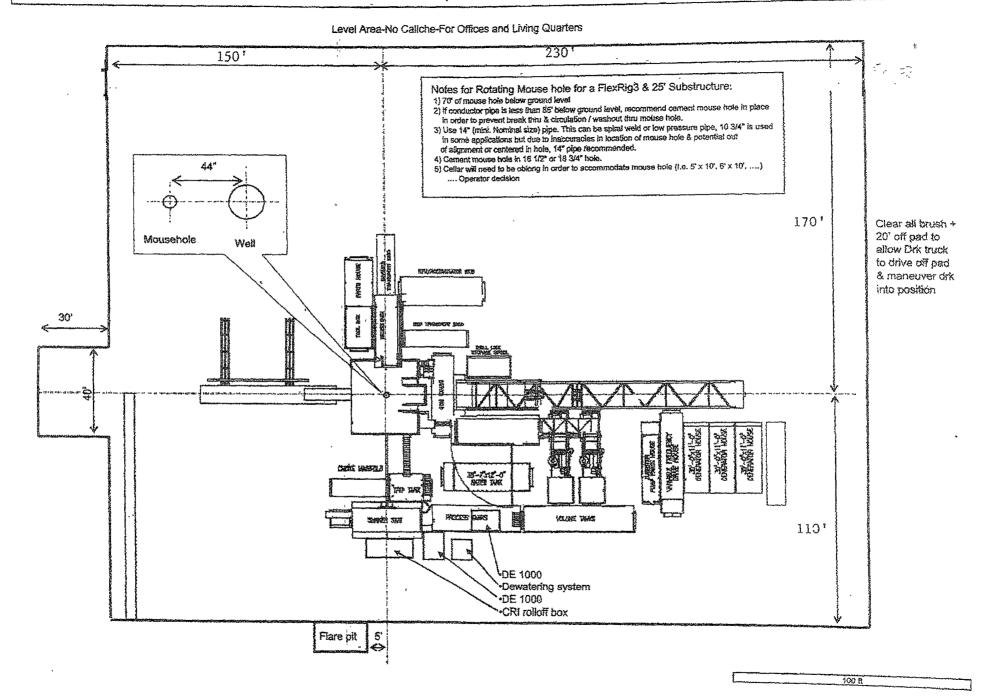
Phoenix Beattle Inspection Signature :

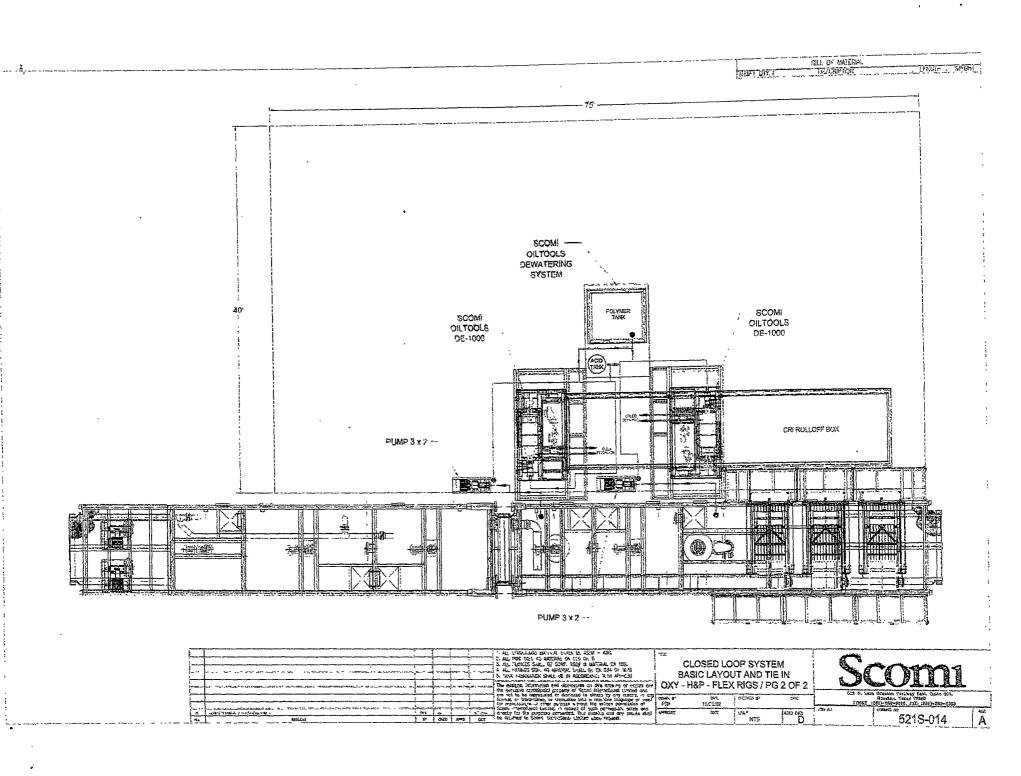
Received In Good Condition : Signature

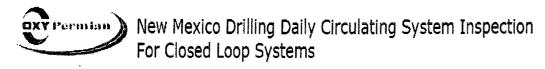
Print Name

All goods remain the property of Phoenix Beattle until paid for in full. Any damage or shortage on this delivery must be advised within 5 days. Returns may be subject to a handling charge.

OXY FLEX III PAD (SCOMI Closed Loop System)







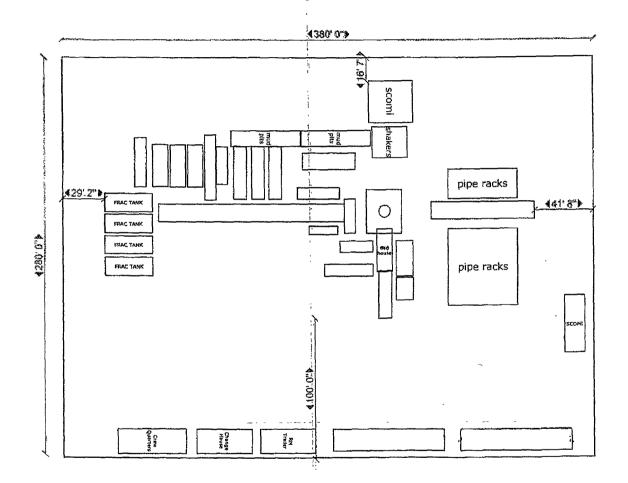
Wellname:	Permit #:	Rig Mobe Date:	
County:		Rig Demobe Date:	

Inspection Date	Time	By Whom	Any drips or leaks from steel tanks, lines or pumps not contained?* Explain.	Has any hazardous waste been disposed of in system?
	wall-t-			
	<u> </u>			
				,
	HV			

NM Daily Circul	lating System	Inspection -	- Cl	osed	100
		REV	0	8/4/2	2008

All circulating systems to be inspected DAILY during drilling operations.

*Any leak of the steel tanks, lines or pumps shall be reported to the NMOCD and repaired within 48 hours.



OXY Permian

EMERGENCY ACTION PLAN

Goodnight 26 Federal #1H

DRILLING/WORKOVER

DRILLING AND CRITICAL WELL OPERATIONS

DRILLING/WORKOVER DRILLING AND CRITICAL WELL OPERATIONS

EMERGENCY ACTION PLAN

TABLE OF CONTENTS

<u>ITEM</u>	<u>PAGE</u>
PREFACE	. 3
EMERGENCY RESPONSE ACTIVATION AND GENERAL RESPONSIBILITIES	. 4
SPECIFIC EMERGENCY GUIDANCE - Well Control	. 6 . 7 . 7 . 7 . 7
PUBLIC RELATIONS	. 9
PHONE CONTACTS – OP DRILLING/WORKOVER	. 10
PHONE CONTACTS - OP PRODUCTION AND PLANT PERSONNEL	. 11
PHONE CONTACTS - OP HES PERSONNEL	. 13
MAP	22

PREFACE

An effective and viable Emergency Action Plan (EAP) is intended to provide prior planning and guidance in responding to emergency incidents. The primary considerations in its development are protection of personnel, the public, company and public property, and the environment.

Although the plan addresses varied emergency situations that may occur, it recognizes that flexibility and the use of the organization's knowledge and experience is critical to safe resolution of emergency incidents. Response actions outlined in the plan provide a framework, which may be placed into operation without confusion. These actions should promote quick and decisive actions during the critical initial period and immediately following an emergency. As the response progresses, additional guidelines and procedures may need to be implemented as the situation dictates. In addition, all emergency incidents must be properly reported per the Oxy Incident Reporting and Notification Policy, state and federal requirements, etc.

The following procedures are provided as Oxy Permian's minimum expectations. The Contractor's own procedures may be utilized in lieu of Oxy Permian's, provided that it meets or exceeds the minimum deliverables. It should be understood that this list is not all-inclusive, but the overall plan should assist in lateral application to similar incidents.

This EAP is intended for use on Oxy Drilling/Workover projects and the operations within their area of responsibility, such as drilling, critical well work, etc.

09/07/2011 Page 3 of 15

EMERGENCY RESPONSE ACTIVATION AND GENERAL RESPONSIBILITIES

Activation of the Emergency Action Plan

- A. In the event of any emergency situation, all personnel on location should first ensure that the following items are initiated. After that, they should refer to the appropriate Specific Emergency Guidance sections on pages five (5) through nine (9) in this document for further responsibilities:
 - 1. Notify the senior ranking contract representative on site.
 - 2. Notify Oxy representative in charge.
 - 3. Notify civil authorities if the Oxy Representative cannot be contacted and the situation dictates.
 - 4. Perform rescue and first aid as required (without jeopardizing additional personnel).

General Responsibilities

Oxy Permian Personnel:

- A. Drill Site Manager: The Oxy Drilling/Critical Well Servicing Operations Specialist or contract personnel serving in that capacity will serve as Operations Chief Officer for all emergency incidents. The Operations Chief Officer is responsible for:
 - 1. Notification to the Drilling/Workover Team Leader of the incident occurrence.
 - 2. Notification to the local RMT/PMT leader of the incident occurrence, and the need for the designated local RMT/PMT Incident Commander to act in that capacity for the response effort.
 - 3. Sole control of all tactical activities directed toward reducing the immediate hazard, establishing situational control and restoring the operations to a non-emergency state.
- B. Local RMT/PMT Designated Incident Commander: The Oxy local RMT/PMT Designated Incident Commander will serve as the overall Incident Commander for the drilling or critical well servicing emergency incident. The Incident Commander is responsible for:
 - 1. Coordinating with the Drilling Manager for notification to the Oxy Crisis Management team of the incident occurrence.
 - 2. Establishing and managing the overall incident command structure and response from inception through restoration of normal activities in the area.
- C. Drilling/Workover HES Tech: The Drilling/Workover HES Tech (or his designate) is responsible for reporting to the incident as soon as reasonably possible, to provide support to the response effort as required by the Operations Chief Officer or the Incident Commander.

Contract Drilling Personnel will immediately report to their assigned stations and perform their duties as outlined in the appropriate Specific Emergency Guidance sections on pages five (5) through nine (9) in this document.

Other Contractor Personnel will report to the safe briefing area to assist Oxy personnel and civil authorities as requested when it is safe to do so and if they have been adequately trained in their assigned duties.

Civil Authorities (Law Enforcement, Fire, and EMS) will be responsible for:

- 1. Establishing membership in the Unified Incident Command.
- 2. As directed by the Incident Commander and the Unified Command, control site access, re-route traffic, and provide escort services for response personnel.
- 3. Perform all fire control activities in coordination with the Unified Command.
- 4. Initiate public evacuation plans as instructed by the Incident Commander.
- 5. Perform rescue or recovery activities with coordination from the Unified Command.
- 6. Provide medical assistance as dictated by the situation at hand.

09/07/2011 Page 4 of 15

WELL CONTROL

The following procedures will be implemented when a loss of primary control is indicated. Indicators of loss of primary control are flow from the well, an increase in pit volume, or when the drilling fluid used to fill the hole on trips is less than the calculated pipe displacement volume. The emergency signal for well control procedures will be a single long blast of the rig air horn.

Kick While Drilling - Procedures And Responsibilities

Driller:

- 1. Stop the rotary and hoist the kelly above the rotary table.
- 2. Stop the mud pump(s).
- 3. Check for flow.
- 4. If flowing, sound the alarm immediately.
- 5. Ensure that all crew members fill their responsibilities to secure the well.
- 6. Record drill pipe and casing shut-in pressures and pit volume increase and begin kill sheet.

Derrickman:

- 1. Go to BOP/choke manifold area.
- 2. Open choke line valve on BOP.
- 3. Signal to Floorman #1 that the choke line is open.
- 4. Close chokes after annular or pipe rams are closed.
- 5. Record shut-in casing pressure and pit volume increase.
- 6. Report readings and observations to Driller.
- 7. Verify actual mud weight in suction pit and report to Driller.
- 8. Be readily available as required for additional tasks.

Floorman # 1:

- 1. Go to accumulator control station and await signal from Derrickman.
- 2. Close annular preventer and HCR on signal (if available, if not then close pipe rams).
- 3. Record accumulator pressures and check for leaks in the BOP or accumulator system.
- 4. Report to Driller, and be readily available as required for additional tasks.

Floorman # 2:

- 1. Start water on motor exhausts.
- 2. Notify Contractor Tool Pusher or Rig Manager of well control situation.
- 3. Check location for ignition sources and extinguish or turn off, and stop any welding in progress.
- 4. Report to Driller, and be readily available as required for additional tasks.

<u>Floorman # 3:</u>

1. Stand-by with Driller, and be readily available as required for additional tasks.

Tool Pusher/Rig Manager:

- 1. Notify Oxy Representative and report to rig floor.
- 2. Review and verify all pertinent information.
- 3. Communicate information to Oxy Representative, and confer on an action plan.
- 4. Finalize well control worksheets, calculations and preparatory work for action plan.
- 5. Initiate and ensure the action plan is carried out.
- 6. Communicate any changes in well or site conditions, or any indications that the action plan needs to be revised to the Oxy representative.

Oxy Representative:

1. Notify Drilling Superintendent or Drilling Manager and RMT Leader or Local Incident Commander, and Police, Fire Department, or other local emergency services as required.

WELL CONTROL (continued)

Kick While Tripping - Procedures and Responsibilities

Driller:

- 1. Sound the alarm immediately when pipe displacement volume is less than 75% of calculated.
- 2. Position the upper tool joint just above rotary table and set slips.
- 3. Check for flow.
- 4. Ensure that all crew members fill their responsibilities to secure the well.
- 5. Record drill pipe and casing shut-in pressures and pit volume increase, and begin kill sheets.

Derrickman: (same as while drilling)

Floor Man # 1:

- 1. Install full opening valve (with help from Floorman #2) in top drill string connection.
- 2. Tighten valve with make up tongs.
- 3. Go to accumulator control station and await signal from Derrickman.
- 4. Close annular preventer and HCR valve on signal (if available, if not then close pipe rams).
- 5. Record accumulator pressures and check for leaks in the BOP and accumulator system.
- 6. Report to Driller, and be readily available as required for additional tasks.

Floor Man # 2:

- 1. Assist installing full opening valve in drill string.
- 2. Position back-up tongs for valve make-up.
- 3. Start water on motor exhausts.
- 4. Notify Contractor Tool Pusher or Rig Manager of well control situation.
- 5. Check location for ignition sources and extinguish or turn off, and stop any welding in progress.
- 6. Report to Driller, and be readily available as required for additional tasks.

Floorman # 3, Rig Manager/Tool Pusher, and Oxy Representative: (same as while drilling)

H2S RELEASE

The following procedures and responsibilities will be implemented on activation of the H2S siren and lights.

All Personnel

1. On alarm, don escape unit (if available) and report to upwind briefing area.

Rig Manager/Tool Pusher:

- 1. Check that all personnel are accounted for and their condition.
- 2. Administer or arrange for first aid treatment, and /or call EMTs as needed.
- 3. Identify two people best suited to secure well and perform rescue, and instruct them to don SCBA.
- 4. Notify Contractor management and Oxy Representative.
- 5. Remain at the briefing area, assess and monitor personnel and overall situation for hazards or conditions that might warrant a change in the action plan.

Two People Responsible For Shut-in and Rescue:

- 1. Don SCBA and acquire tools to secure well and perform rescue, i.e., wrenches, retrieval ropes, etc.
- 2. Utilize the buddy system to secure well and perform rescue(s).
- 3. Return to the briefing area and stand by for further instructions.

All Other Personnel:

1. Remain at the briefing area and await further instructions - do not leave unless instructed.

Oxy Representative:

- 1. Remain at the briefing area, assess and monitor personnel and overall situation for hazards or conditions that might warrant a change in the action plan.
- 2. Notify Drilling Superintendent or Drilling Manager and RMT Leader or Local Incident Commander, and Police, Fire Department, or other local emergency services as required.

09/07/2011 Page 6 of 15

PERSONAL INJURY OR DEATH

Call for assistance, and then administer first aid for the injured. Treatment should be prioritized by life-threatening conditions.

A. Do not move injured personnel unless they are in imminent danger. An ambulance should be summoned for any injury that appears to be serious.

FIRE OR EXPLOSION

Fire Fighting Philosophy

It is Oxy Permian's intent that Oxy and contract personnel will only extinguish incipient or beginning stage fires and perform or assist in initial non-threatening rescue operations. The responding fire department will be given primacy when they arrive to control a fire on any Oxy property. Any Oxy or contract employee who participates in a fire response must be fully trained and qualified as such, and must be utilizing appropriate Personal Protective Equipment.

Contract and Oxy Personnel Deployment

In the event of a fire or explosion all personnel will report to the safe briefing area. The Senior Contract Representative on site will designate personnel for rescue as appropriate depending on their qualifications and the risks of the rescue. Any rescue which involves significant risk to those performing the rescue should be deferred to professional response personnel.

No personnel will leave the area without direction / permission from the Senior Contract Representative onsite.

The Senior Contract Representative on site will notify local emergency response personnel as required, along with the Contract Company management and the Oxy Representative as soon as reasonably possible.

SPILLS

In the event of a significant spill of any substance, the person discovering it should immediately notify the rig supervisor and the Oxy Representative. Personnel onsite should **NOT** attempt identification, control or containment unless they are absolutely sure of the product spilled, are fully aware of the hazard characteristics, and are equipped with the appropriate personal protective equipment.

HYDROCARBON VAPOR CLOUD RELEASE

Upon discovery of a Hydrocarbon Vapor Cloud (NGL) release, take immediate safety precautions to protect any company personnel or others that might be in the area. Other emergency actions should be initiated only by trained expert personnel from the appropriate pipeline company.

The following guidelines should be followed:

- 1. Immediately notify the rig supervisor and the Oxy Representative.
- 2. Determine wind direction, and evacuate upwind or at 90 degrees to the release.
- Maintain a safe distance from the cloud.
- 4. Render first aid and call for an ambulance as necessary.
- 5. Attempt to warn approaching individuals of the hazard.

09/07/2011 Page 7 of 15

BOMB THREAT

In the event of a bomb threat, the person receiving the call, on or off site, should try to get as much information as possible from the caller. The person receiving the call should immediately contact the supervisor in charge. Evacuation of the field should be considered at this time. Roadblocks may need to be installed. The supervisor in charge should make all appropriate contacts.

The Supervisor contacted should:

- Realize that every bomb threat is serious.
- b. Notify Corporate Security
- c. Inform Police/Sheriff's Department and Fire Department
- d. Contact RMT Leader or his designated relief to coordinate search efforts with the assistance of the local law enforcement agencies.

BOMB THREAT CHECKLIST

Date	Name of person taking	ig call	Pho	one # call came on
FILL OUT COM	IPLETELY IMMEDIA	TELY AFTER BO	MB THREAT	
 Where is the What does t What type of What will can Did the calle Why did the What is the 	bomb set to explode? be bomb located? he bomb look like? f bomb is it? use the bomb to explor place the bomb? caller place the bomb caller's name and add AgeRaceLen	de?? ress?		
DESCRIPTION	OF CALLER'S VOIC	E (Check all that	apply)	
Calm Angry Excited Slow Loud	RapidCryingNormalDistinctSlurred	Laughing Raspy Deep Ragged Nasal	LispAccentStutterDeepClearing Thro	Disguised Familiar? Who did it sound like? Deep Breathing oat
BACKGROUN	D SOUNDS:			
Street Noises Voices Office	House Noises Motor Clear	Factory Machinery Animals Other	Music Static PA System	Local Call Long Distance Phone Booth
THREAT LANG	GUAGE:			
	nFoul ead by Threat Maker	Incoherent	Irrational	Taped
REMARKS:				

09/07/2011 Page 8 of 15

NATURAL DISASTERS

Tornadoes

These general procedures should be followed by everyone seeking shelter from a severe storm or tornado:

Indoors:

- 1. Protect yourself from flying glass and debris.
- 2. Take refuge near the core of the building for maximum protection.
- 3. Do not smoke while taking shelter.
- 4. Shut all doors to offices, if time permits.

In the field:

- 1. Seek cover in a low-lying area, such as a culvert, ditch, pit, or water injection valve box.
- 2. Get out of and away from your vehicle.
- 3. Stay away from power lines.
- 4. Cover your head with your arms and clothing.

Thunderstorms

Indoors:

- 1. Avoid water pipes, sinks, showers, tubs, etc.
- 2. Stav away from doors and windows.
- 3. Do not use the telephone.
- 4. Take off head sets.
- 5. Turn off, unplug, and stay away from appliances, computers, power tools, & TV sets.

In the field:

- 1. Avoid water.
- 2. Avoid high ground and open spaces.
- 3. Avoid all metal objects including electric wires, fences, machinery, motors, power tools, etc. <u>Unsafe places</u> include underneath canopies, small picnic or rain shelters, or near trees. Where possible, find shelter in a substantial building or in a fully enclosed metal vehicle such as a car, truck or a van with the windows completely shut. If lightning is striking nearby when you are outside, you should:
 - a. Crouch down, feet together, hands over ears
 - b. Avoid proximity (minimum of 15 ft.) to other people.
- 4. SUSPEND ACTIVITIES for 30 minutes after the last observed lightning or thunder.

PUBLIC RELATIONS

Oxy recognizes that the news media have a legitimate interest in incidents at Oxy facilities that could affect the public. It is to the company's benefit to cooperate with the news media when incidents occur because these media are our best liaison with the public.

Our objective is to see that all reports of any emergency are factual and represent the company's position fairly and accurately. Cooperation with news media representatives is the most reliable guarantee that this objective will be met.

All contract and Oxy employees are instructed **NOT** to make any statement to the media concerning the emergency incident. If a media representative contacts any employee, they should refer them to the designated Emergency Command Center where they should contact the Incident Commander or his designated relief for any information concerning the incident.

09/07/2011 Page 9 of 15

Drilling Dept. Emergency Contact list

Drilling Manager Douglas Chester 713-366-9124 office 713-918-9124 cell **Drilling Superintendent** Travis Smaford 713-215-7849 office 281-684-6897 cell **Drilling Superintendent** Sergio Abauat 432-366-5689 office 432-893-3067 cell **Drilling Engr Supervisor Camilo Arias** 713-366-5953 office 281-468-4652 cell **Drilling Engr Supervisor Frank Hutton** 713-366-5325 office 713-855-4274 cell **HES Specialist-Drilling** Robert Lovelady 432-685-5630 office 432-813-6332 cell

HES Specialist-Drilling Charles Bullard 432-685-5719 office

432-894-3769 cell

Construction Specialist Dusty Weaver 432-685-5723 office

806-893-3067 cell

OXY Permian Incident Reporting	Phone List		
OXY Permian Crisis Team Hotline	Notification	(713) 935-7210	
Person	Location	Office Phone	Cell/Mobile Phone
Asset Management-Operations Areas			Υ
OXY Permian Primary President & General Manager: Michael Land	Houston	(310) 443-6255	
Asset Development Manager-Denise Woods	Houston	(713) 215-7154	(832) 830-5273
Operations Manager-Keith Sevin	Houston	(713) 366-5979	(432) 661-4121
OXY Permian CO2 President & General Manager: Vicki Hollub	Houston	(713)-215-7332	(713) 885-6347
Asset Development Manager-Andrew Falls	Houston	(713) 366-5148	(713) 918-9096
Operations Manager-Bob Barnes	Houston	(713) 215-7906	(832) 433-0763
Operations South-Frontier RMT Lead North-David Schellstede	Houston	(712) 266 5012	(713) 560-8061
RMT Lead North-David Schensiede RMT Lead South-Peter Lawrence	Houston Houston	(713) 366-5013 (713) 215-7644	(832) 830-5273.
Surface Operations Team Lead-Bill Elliott	Midland	(432) 685-5845	(432) 557-6736
Well Operations Team Lead-Wes Scott		` · · · · · · · · · · · · · · · · · · ·	(713) 203-4050
Well Servicing Team Lead-Wes Scott Well Servicing Team Lead-Brit Meadows	Houston Midland	(713) 215-7171 (432) 685-5840	(432) 661-0387
WST Coord Frontier-Terrell Rowe	Midland	(432) 685-5821	(432) 664-8888

WST Coord South-Michael Roberts	Midland	(432) 685-5913	(806) 215-0073
NM Frontier Oper Coord –Scott Hidges NM Frontier Oper Coord -Van Barton	Hobbs Carlsbad	(575) 397-8211 (575) 628-4111	(432) 238-4405 (575) 706-7671
HES Staff & Areas of First Contact Support			
HES Manager: John Kirby Environmental Engineer, Air: Peggy	Houston	(713) 366-5460	(281) 974-9523
Waisanen	Midland	(432) 685-5673	(432) 894-1968
Administrative Assistant: Debbie Robertson	Midland	(432) 685 5812	(432) 556-7495
Pipeline Safety: Don Bales	Midland	(432) 685-5844	(432) 894-1960
HES Lead-Pete Maciula	Midland	(432) 685-5667	(432) 557-2450
HES Lead-Chris Young	Midland	(432) 685-5952	(432) 967-8946
HES Specialist: Eddie Gonzales	Midland	(432) 685-5929	(432) 556-6790
HES Specialist-Drilling: Robert Lovelady	Midland	(432) 685-5630	(432) 813-6332
HES Tech & Area of Responsibility			
Wasson San Andres RMT: Mark Andersen	Denver City	(806) 592-6299	(806) 215-0077
Hobbs RMT: Steve Bishop	Hobbs	(575) 397-8251	(575) 390-4784
Frontier-New Mexico: Rick Kerby	Carlsbad	(575) 887-8337	(575) 631-4972
South-New Mexico-CJ Summers	Hobbs	(575) 397-8236	(575) 390-9228
Regulatory Affairs			
Lead-Karen Sinard	Houston	(713) 366-5485	713-857-6068
Regulatory Advisor-David Stewart	Midland	(432) 685-5717	
Sr, Regulatory Analyst-Mark Stephens	Houston	(713) 366-5158	

09/07/2011 Page 11 of 15

N. Hobbs Unit: Steve Bishop	Hobbs	(575) 397-8251	(575) 390-4784
Wasson PMT: Todd King	Denver City	(806) 592-6274	(806) 215-0183
Bravo/Slaughter PMT: Gary Polk	Levelland	(806) 229-9708	(806) 638-2425
Cogdell RMT: Dean Peevy	Cogdell	(325) 573-7272	(325) 207-3367
Sharon Ridge: Carl Morales	Sharon Ridge	(325) 573-6341	(325) 207-3374
All DOT Pipeline Support: Donald Bales	Midland	(432) 685-5844	(432) 894-1960
OOGC HES Contacts			
Manager HES: Wes Scott	OOGC – Houston	(713) 215-7171	(713) 203-4050
Worldwide Safety Mgr: Greg Hardin alternate	OOGC – Houston	(713) 366-5324	(713) 560-8037
Worldwide Environ. Mgr: Ravi Ravishankar	OOGC – Houston	(713) 366-5039	(832) 863-2240
OOGC Risk Management			
Jim Garrett	Los Angeles	(310) 443-6588	(310) 710-3233
Greg LaSalle, alternate	Los Angeles	(310) 443-6542	(310) 710-2255
OSI			
Workers Comp. Claim Manager: Steve Jones	Dallas	(972) 404-3542	
Workers Comp. Claims: Mark Ryan	Dallas	(972) 404-3974	
Auto Claims: Steve Jones	Dallas	(972) 404-3542	
Gallagher Bassett Workers Comp. & Property Damage Claims-		(972) 728-3600	•
OXY Permian Ltd.: Danny Ross		X252	(800) 349-8492
Axiom Medical Consulting			
Medical Case Management		(877) 502-9466	
		(877) 502-9466	
OXY Permian Legal	Houston	,	(713) 560-8049
OXY Permian Legal	Houston	(877) 502-9466	(713) 560-8049
OXY Permian Legal Tom Janiszewski Human Resources	1	(713) 366-5529	
OXY Permian Legal Tom Janiszewski Human Resources	Houston Houston	,	(713) 702-7949
OXY Permian Legal Tom Janiszewski Human Resources H.R. Manager: Barbara Bernhard H.R. Consultant: Amy Thompson	1	(713) 366-5529	
OXY Permian Legal Tom Janiszewski Human Resources H.R. Manager: Barbara Bernhard H.R. Consultant: Amy Thompson	Houston	(713) 366-5529 (713) 215-7150	(713) 702-7949
OXY Permian Legal Tom Janiszewski Human Resources H.R. Manager: Barbara Bernhard H.R. Consultant: Amy Thompson H.R. Consultant: Laura Matthews	Houston Houston	(713) 366-5529 (713) 215-7150 (713) 215-7863	(713) 702-7949 (281) 799-7348
OXY Permian Legal Tom Janiszewski Human Resources H.R. Manager: Barbara Bernhard H.R. Consultant: Amy Thompson H.R. Consultant: Laura Matthews H.R. Consultant: Jill Williams	Houston Houston Houston	(713) 366-5529 (713) 215-7150 (713) 215-7863 (713) 366-5137	(713) 702-7949 (281) 799-7348 (713) 569-0386
OXY Permian Legal Tom Janiszewski Human Resources H.R. Manager: Barbara Bernhard H.R. Consultant: Amy Thompson H.R. Consultant: Laura Matthews H.R. Consultant: Jill Williams Corporate Security	Houston Houston Houston	(713) 366-5529 (713) 215-7150 (713) 215-7863 (713) 366-5137	(713) 702-7949 (281) 799-7348 (713) 569-0386
OXY Permian Legal Tom Janiszewski Human Resources H.R. Manager: Barbara Bernhard H.R. Consultant: Amy Thompson H.R. Consultant: Laura Matthews H.R. Consultant: Jill Williams Corporate Security Frank Zapalac	Houston Houston Houston Midland	(713) 366-5529 (713) 215-7150 (713) 215-7863 (713) 366-5137 (432) 685-5818	(713) 702-7949 (281) 799-7348 (713) 569-0386 (432) 661-4581
OXY Permian Legal Tom Janiszewski Human Resources H.R. Manager: Barbara Bernhard H.R. Consultant: Amy Thompson H.R. Consultant: Laura Matthews H.R. Consultant: Jill Williams Corporate Security Frank Zapalac Hugh Moreno, alternate	Houston Houston Houston Midland . Houston	(713) 366-5529 (713) 215-7150 (713) 215-7863 (713) 366-5137 (432) 685-5818	(713) 702-7949 (281) 799-7348 (713) 569-0386 (432) 661-4581 (713) 829-5753
OXY Permian Legal Tom Janiszewski Human Resources H.R. Manager: Barbara Bernhard H.R. Consultant: Amy Thompson H.R. Consultant: Laura Matthews H.R. Consultant: Jill Williams Corporate Security Frank Zapalac Hugh Moreno, alternate Regulatory Agencies	Houston Houston Houston Midland . Houston	(713) 366-5529 (713) 215-7150 (713) 215-7863 (713) 366-5137 (432) 685-5818	(713) 702-7949 (281) 799-7348 (713) 569-0386 (432) 661-4581 (713) 829-5753
OXY Permian Legal Tom Janiszewski Human Resources H.R. Manager: Barbara Bernhard H.R. Consultant: Amy Thompson H.R. Consultant: Laura Matthews H.R. Consultant: Jill Williams Corporate Security Frank Zapalac Hugh Moreno, alternate Regulatory Agencies Bureau of Land Management	Houston Houston Houston Midland . Houston Houston	(713) 366-5529 (713) 215-7150 (713) 215-7863 (713) 366-5137 (432) 685-5818 (713) 215-7157 (713) 215-7162	(713) 702-7949 (281) 799-7348 (713) 569-0386 (432) 661-4581 (713) 829-5753
Medical Case Management OXY Permian Legal Tom Janiszewski Human Resources H.R. Manager: Barbara Bernhard H.R. Consultant: Amy Thompson H.R. Consultant: Laura Matthews H.R. Consultant: Jill Williams Corporate Security Frank Zapalac Hugh Moreno, alternate Regulatory Agencies Bureau of Land Management Bureau of Land Management Bureau of Land Management	Houston Houston Houston Midland Houston Houston Carlsbad, NM	(713) 366-5529 (713) 215-7150 (713) 215-7863 (713) 366-5137 (432) 685-5818 (713) 215-7157 (713) 215-7162	(713) 702-7949 (281) 799-7348 (713) 569-0386 (432) 661-4581 (713) 829-5753

Page 12 of 15 09/07/2011

(505) 988-6030

Santa Fe, NM

Bureau of Land Management

DOT Juisdictional Pipelines-Incident Reporting New Mexico Public Regulation		(505) 827-3549	
Commission	Santa Fe, NM	(505) 490-2375	
DOT Juisdictional Pipelines-Incident			
Reporting Texas Railroad Commission	Austin, TX	(512) 463-6788	
EPA Hot Line	Dallas, Texas	(214) 665-6444	
Federal OSHA, Area Office	Lubbock, Texas	(806) 472-7681	
National Response Center	Washington, D. C.	(800) 424-8802	
National Infrastructure Coordinator Center		(202) 282-9201	
New Mexico Air Quality Bureau	Santa Fe, NM	(505) 827-1494	
New Mexico Oil Conservation Division	Artesia, NM	(575) 748-1283	
New Mexico Oil Conservation Division	Hobbs, NM	(575) 393-6161	
New Mexico Oil Conservation Division	Santa Fe, NM	(505) 471-1068	
New Mexico OCD Environmental Bureau	Santa Fe, NM	(505) 827-7152 (505) 476-3470	
New Mexico Environmental Department	Hobbs, NM	(575) 827-9329	
NM State Emergency Response Center	Santa Fe, NM	(505) 827-9222	
Railroad Commission of TX	District 8, 8A Midland, TX	(432) 684-5581	
Texas Emergency Response Center	Austin, TX	(512) 463-7727	
TCEQ Air	Region 2 Lubbock, TX	(806) 796-3494	
TCEQ Water/Waste/Air	Region 7 Midland, TX	(432) 570-1359	

Medical Facilities

Artesia General Hospital	Artesia, NM	(575) 748-3333	
Guadalupe Medical Center	Carlsbad, NM	(575) 887-6633	
Lea Regional Hospital	Hobbs, NM	(575) 492-5000	
Medical Arts Hospital	Lamesa, TX	(806) 872-2183	
Medical Center Hospital	Odessa, TX	(432) 640-4000	
Memorial Hospital	Seminole, TX	(432) 758-5811	
Midland Memorial Hospital	Midland, TX	(432) 685-1111	
Nor-Lea General Hospital	Lovington, NM	(575) 396-6611	
Odessa Regional Hospital	Odessa, TX	(432) 334-8200	
St. Mary's Hospital	Lubbock, TX	(806) 796-6000	
Union County General Hospital	Clayton, NM	(575) 374-2585	
University Medical Center	Lubbock, TX	(806) 743-3111	

Local Emergency Planning Comm.

Richard H. Dolgener	Andrews County, TX	(432) 524-1401	
Joel Arnwine	Eddy County, NM	(575) 887-9511	
County Judge Judy House	Gaines County, TX	(432) 758-5411	
Myra Sande	Harding County, NM	(575) 673-2231	
Jerry Reynolds	Lea County, NM	(575) 396-8600	(575) 399-2376
Royce Creager	Loving County, TX	(432) 377-2231	
Mike Cherry	Quay County, NM	(575) 461-2476	
Della Wetsel	Union County, NM	(575) 374-8896	
Bonnie Leck	Winkler County, TX	(432) 586-6658	

09/07/2011 Page 13 of 15

Carl Whitaker	Yoakum County, TX	(806) 456-7491
Law Enforcement - Sheriff		
Andrews Cty Sheriff's Department	Andrews County	(432) 523-5545
Eddy Cty Sheriff's Department	Eddy County (Artesia)	(575) 746-2704
Eddy Cty Sheriff's Department	Eddy County (Carlsbad)	(575) 887-7551
Gaines Cty Sheriff's Department	Gaines County (Seminole)	(432) 758-9871
Lea Cty Sheriff's Department	Lea County (Eunice)	(575) 384-2020
Lea Cty Sheriff's Department	Lea County (Hobbs)	(575) 393-2515
Lea Cty Sheriff's Department	Lea County (Lovington)	(575) 396-3611
Union Cty Sheriff's Department	Union County (Clayton)	(505) 374-2583
Yoakum City Sheriff's Department	Yoakum Co.	(806) 456-2377
Y 70 4 1 1 1 1		
Law Enforcement - Police	A. J TOY	(420) 502 5(75
Andrews City Police	Andrews, TX	(432) 523-5675
Artesia City Police	Artesia, NM	(575) 746-2704
Carlsbad City Police	Carlsbad, NM	(575) 885-2111
Clayton City Police	Clayton, NM	(575) 374-2504
Denver City Police	Denver City, TX	(806) 592-3516
Eunice City Police	Eunice, NM	(575) 394-2112 (575) 397-9265
Hobbs City Police	Hobbs, NM	(575) 397-9203
Jal City Police	Jal, NM	(575) 395-2501
Lovington City Police	Lovington, NM	(575) 396-2811
Seminole City Police	Seminole, TX	(432) 758-9871
Law Enforcement - FBI		
FBI	Alburqueque, NM	(505) 224-2000
FBI	Midland, TX	(432) 570-0255
	Withdian, 171	(102) 310 0233
Law Enforcement - DPS		
NM State Police	Artesia, NM	(575) 746-2704
NM State Police	Carlsbad, NM	(575) 885-3137
NM State Police	Eunice, NM	(575) 392-5588
NM State Police	Hobbs, NM	(575) 392-5588
NM State Police	Clayton, NM	(575) 374-2473; 911
TX Dept of Public Safety	Andrews, TX	(432) 524-1443
TX Dept of Public Safety	Seminole, TX	(432) 758-4041
TX Dept of Public Safety	Yoakum County TX	(806) 456-2377
Firefighting & Rescue		
Amistad/Rosebud	Amistad/Rosebud, NM	(505) 633-9113
1 MILOUGH INGOVIU	1 Minotau/Noscouu, 19191	(432) 523-4820
Andrews	Andrews, TX	(432) 523-3111
Artesia	Artesia, NM	(575) 746-5051
Carlsbad	Carlsbad, NM	(575) 885-3125

09/07/2011 Page 14 of 15

Clayton	Clayton, NM	(575) 374-2435
Denver City	Denver City, TX	(806) 592-5426
Eunice	Eunice, NM	(575) 394-2111
Hobbs	Hobbs, NM	(575) 397-9308
Jal	Jal, NM	(575) 395-2221
Kermit	Kermit, TX	(432) 586-3468
Lovington	Lovington, NM	(575) 396-2359
Maljamar	Maljamar, NM	(575) 676-4100
Monahans	Monahans, TX	(432) 943-4343
Nara Visa	Nara Visa, NM	(575) 461-3300
Pecos	Pecos, TX	(432) 445-2421
Seminole	Seminole, TX	(432) 758-3676 (432) 758-9871

Ambulance

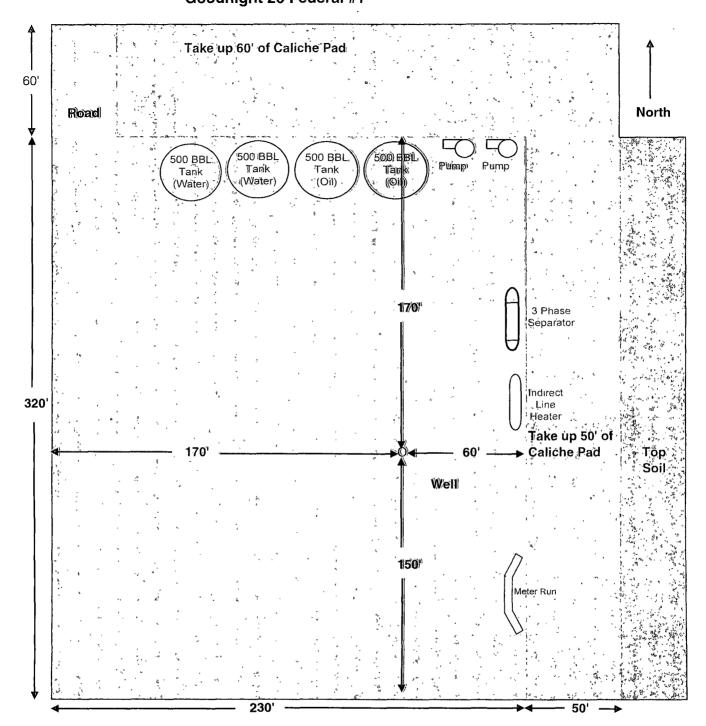
Amistad/Rosebud	Amistad/Rosebud, NM	(575) 633-9113	
Andrews Ambulance	'Andrews, TX	(432) 523-5675	
Artesia Ambulance	Artesia, NM	(575) 746-2701	
Carlsbad Ambulance	Carlsbad, NM	(575) 885-2111; 911	
Clayton, NM	Clayton, NM	(575) 374-2501	
Denver City Ambulance	Denver City, TX	(806) 592-3516	
Eunice Ambulance	Eunice, NM	(575) 394-3258	
Hobbs, NM	Hobbs, NM	(575) 397-9308	
Jal, NM	Jal, NM	(575) 395-2501	
Lovington Ambulance	Lovington, NM	(575) 396-2811	
Nara Visa, NM	Nara Visa, NM	(575) 461-3300	
Pecos Ambulance	Pecos, TX	(432) 445-4444	
Seminole Ambulance	Seminole, TX	(432) 758-8816 (432) 758-9871	

Medical Air Ambulance Service

AEROCARE - Methodist Hospital	Lubbock, TX	(800) 627-2376
San Angelo Med-Vac Air Ambulance	San Angelo, TX	(800) 277-4354
Southwest Air Ambulance Service	Stanford, TX	(800) 242-6199
Southwest MediVac	Snyder, TX	(800) 242-6199
Southwest MediVac	Hobbs, NM	(800) 242-6199.
Odessa Care Star	Odessa, TX	(888) 624-3571
NWTH Medivac	Amarillo, TX	(800) 692-1331

09/07/2011 Page 15 of 15

H & P Flex 3 Rig Goodnight 26 Federal #1



If road comes into the Northwest corner of pad Oxy will take up and re-seed 50' on east side and 60' on north side of pad

Equipment List

- 1 ea Indirect Line Heater
- 1 ea 3-Phase Separator
- 2 ea 500 BBL Carbon Steel Storage Tanks (Oil)
- 2 ea 500 BBL Fiberglass Storage Tanl (Water)
- 1 ea Gas Meter Run
- 2 ea Transfer Pump

PECOS DISTRICT CONDITIONS OF APPROVAL

OPERATOR'S NAME:
LEASE NO.:
NM-103603
WELL NAME & NO.:
SURFACE HOLE FOOTAGE:
BOTTOM HOLE FOOTAGE
LOCATION:
COUNTY:
OXY USA Inc
NM-103603
Goodnight 26 Federal #1
1803' FSL & 0031' FEL
0400' FNL & 0660' FWL
Section 26, T.23 S., R.29 E., NMPM
Eddy County, New Mexico

TABLE OF CONTENTS

Standard Conditions of Approval (COA) apply to this APD. If any deviations to these standards exist or special COAs are required, the section with the deviation or requirement will be checked below.

☐ General Provisions ☐ Permit Expiration ☐ Archaeology, Paleontology, and Historical Sites ☐ Noxious Weeds ☐ Special Requirements ☐ Hydrology ☐ Cave/Karst
Construction
Notification
Topsoil
Closed Loop System
Federal Mineral Material Pits
Well Pads
Roads
Road Section Diagram
□ Drilling
R-111-P Potash
Logging Requirements
Waste Material and Fluids
☐ Production (Post Drilling)
Well Structures & Facilities
Pipelines
Electric Lines
Final Ahandonment & Reclamation

I. GENERAL PROVISIONS

The approval of the Application For Permit To Drill (APD) is in compliance with all applicable laws and regulations: 43 Code of Federal Regulations 3160, the lease terms, Onshore Oil and Gas Orders, Notices To Lessees, New Mexico Oil Conservation Division (NMOCD) Rules, National Historical Preservation Act As Amended, and instructions and orders of the Authorized Officer. Any request for a variance shall be submitted to the Authorized Officer on Form 3160-5, Sundry Notices and Report on Wells.

II. PERMIT EXPIRATION

If the permit terminates prior to drilling and drilling cannot be commenced within 60 days after expiration, an operator is required to submit Form 3160-5, Sundry Notices and Reports on Wells, requesting surface reclamation requirements for any surface disturbance. However, if the operator will be able to initiate drilling within 60 days after the expiration of the permit, the operator must have set the conductor pipe in order to allow for an extension of 60 days beyond the expiration date of the APD. (Filing of a Sundry Notice is required for this 60 day extension.)

III. ARCHAEOLOGICAL, PALEONTOLOGY & HISTORICAL SITES

Any cultural and/or paleontological resource discovered by the operator or by any person working on the operator's behalf shall immediately report such findings to the Authorized Officer. The operator is fully accountable for the actions of their contractors and subcontractors. The operator shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Authorized Officer. An evaluation of the discovery shall be made by the Authorized Officer to determine the appropriate actions that shall be required to prevent the loss of significant cultural or scientific values of the discovery. The operator shall be held responsible for the cost of the proper mitigation measures that the Authorized Officer assesses after consultation with the operator on the evaluation and decisions of the discovery. Any unauthorized collection or disturbance of cultural or paleontological resources may result in a shutdown order by the Authorized Officer.

IV. NOXIOUS WEEDS

The operator shall be held responsible if noxious weeds become established within the areas of operations. Weed control shall be required on the disturbed land where noxious weeds exist, which includes the roads, pads, associated pipeline corridor, and adjacent land affected by the establishment of weeds due to this action. The operator shall consult with the Authorized Officer for acceptable weed control methods, which include following EPA and BLM requirements and policies.

V. SPECIAL REQUIREMENT(S)

Pad construction

- The well pad will be bermed to prevent oil, salt, and other chemical contaminants from leaving the well pad. Topsoil shall not be used to construct the berm. No water flow from the uphill side(s) of the pad shall be allowed to enter the well pad. The berm shall be maintained through the life of the well and after interim reclamation has been completed.
- Any water erosion that may occur due to the construction of the well pad during the life of the well will be quickly corrected and proper measures will be taken to prevent future erosion.
- Stockpiling of topsoil is required. The top soil shall be stockpiled in an appropriate location to prevent loss of soil due to water or wind erosion and not used for berming or erosion control.

Cave and Karst

** Depending on location, additional Drilling, Casing, and Cementing procedures may be required by engineering to protect critical karst groundwater recharge areas.

Cave/Karst Surface Mitigation

The following stipulations will be applied to minimize impacts during construction, drilling and production.

Construction:

In the advent that any underground voids are opened up during construction activities, construction activities will be halted and the BLM will be notified immediately.

No Blasting:

No blasting will be utilized for pad construction. The pad will be constructed and leveled by adding the necessary fill and caliche.

Tank Battery Liners and Berms:

Tank battery locations will be lined and bermed. A 20 mil permanent liner will be installed with a 4 oz. felt backing to prevent tears or punctures. Tank battery berms must be large enough to contain 1 ½ times the content of the largest tank.

Leak Detection System:

A method of detecting leaks is required. The method could incorporate gauges to measure loss, situating values and lines so they can be visually inspected, or installing electronic sensors to alarm when a leak is present. Leak detection plan will be submitted to BLM for approval.

Automatic Shut-off Systems:

Automatic shut off, check values, or similar systems will be installed for pipelines and tanks to minimize the effects of catastrophic line failures used in production or drilling.

Cave/Karst Subsurface Mitigation

The following stipulations will be applied to protect cave/karst and ground water concerns:

Rotary Drilling with Fresh Water:

Fresh water will be used as a circulating medium in zones where caves or karst features are expected. SEE ALSO: Drilling COAs for this well.

Directional Drilling:

Kick off for directional drilling will occur at least 100 feet below the bottom of the cave occurrence zone. SEE ALSO: Drilling COAs for this well.

Lost Circulation:

ALL lost circulation zones from the surface to the base of the cave occurrence zone will be logged and reported in the drilling report.

Regardless of the type of drilling machinery used, if a void of four feet or more and circulation losses greater than 70 percent occur simultaneously while drilling in any cavebearing zone, the BLM will be notified immediately by the operator. The BLM will assess the situation and work with the operator on corrective actions to resolve the problem.

Abandonment Cementing:

Upon well abandonment in high cave karst areas additional plugging conditions of approval may be required. The BLM will assess the situation and work with the operator to ensure proper plugging of the wellbore.

Pressure Testing:

Annual pressure monitoring will be performed by the operator on all casing annuli and reported in a sundry notice. If the test results indicated a casing failure has occurred, remedial action will be undertaken to correct the problem to the BLM's approval.



VI. CONSTRUCTION

A. NOTIFICATION

The BLM shall administer compliance and monitor construction of the access road and well pad. Notify the Carlsbad Field Office at (575) 234-6235 at least 3 working days prior to commencing construction of the access road and/or well pad.

When construction operations are being conducted on this well, the operator shall have the approved APD and Conditions of Approval (COA) on the well site and they shall be made available upon request by the Authorized Officer.

B. TOPSOIL

The operator shall stockpile the topsoil in a low profile manner in order to prevent wind/water erosion of the topsoil. The topsoil to be stripped is approximately 4 inches in depth. The topsoil will be used for interim and final reclamation.

C. CLOSED LOOP SYSTEM

Tanks are required for drilling operations: No Pits.

The operator shall properly dispose of drilling contents at an authorized disposal site.

D. FEDERAL MINERAL MATERIALS PIT

Payment shall be made to the BLM prior to removal of any federal mineral materials. Call the Carlsbad Field Office at (575) 234-5972.

E. WELL PAD SURFACING

Surfacing of the well pad is not required.

If the operator elects to surface the well pad, the surfacing material may be required to be removed at the time of reclamation.

The well pad shall be constructed in a manner which creates the smallest possible surface disturbance, consistent with safety and operational needs.

F. ON LEASE ACCESS ROADS

Road Width

The access road shall have a driving surface that creates the smallest possible surface disturbance and does not exceed fourteen (14) feet in width. The maximum width of surface disturbance, when constructing the access road, shall not exceed twenty (20) feet.

Surfacing

Surfacing material is not required on the new access road driving surface. If the operator elects to surface the new access road or pad, the surfacing material may be required to be removed at the time of reclamation.

Where possible, no improvements should be made on the unsurfaced access road other than to remove vegetation as necessary, road irregularities, safety issues, or to fill low areas that may sustain standing water.

The Authorized Officer reserves the right to require surfacing of any portion of the access road at any time deemed necessary. Surfacing may be required in the event the road deteriorates, erodes, road traffic increases, or it is determined to be beneficial for future field development. The surfacing depth and type of material will be determined at the time of notification.

Crowning

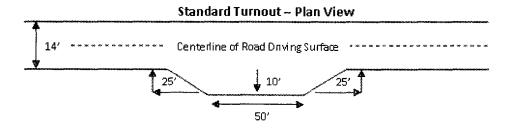
Crowning shall be done on the access road driving surface. The road crown shall have a grade of approximately 2% (i.e., a 1" crown on a 14' wide road). The road shall conform to Figure 1; cross section and plans for typical road construction.

Ditching

Ditching shall be required on both sides of the road.

Turnouts

Vehicle turnouts shall be constructed on the road. Turnouts shall be intervisible with interval spacing distance less than 1000 feet. Turnouts shall be constructed on all blind curves. Turnouts shall conform to the following diagram:

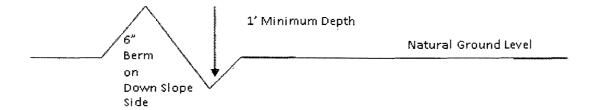


Drainage

Drainage control systems shall be constructed on the entire length of road (e.g. ditches, sidehill outsloping and insloping, lead-off ditches, culvert installation, and low water crossings).

A typical lead-off ditch has a minimum depth of 1 foot below and a berm of 6 inches above natural ground level. The berm shall be on the down-slope side of the lead-off ditch.

Cross Section of a Typical Lead-off Ditch



All lead-off ditches shall be graded to drain water with a 1 percent minimum to 3 percent maximum ditch slope. The spacing interval are variable for lead-off ditches and shall be determined according to the formula for spacing intervals of lead-off ditches, but may be amended depending upon existing soil types and centerline road slope (in %);

Formula for Spacing Interval of Lead-off Ditches

Example - On a 4% road slope that is 400 feet long, the water flow shall drain water into a lead-off ditch. Spacing interval shall be determined by the following formula:

400 foot road with 4% road slope:
$$\frac{400'}{4\%}$$
 + 100' = 200' lead-off ditch interval

Culvert Installations

Appropriately sized culvert(s) shall be installed at the deep waterway channel flow crossing.

Cattleguards

An appropriately sized cattleguard(s) sufficient to carry out the project shall be installed and maintained at fence crossing(s).

Any existing cattleguard(s) on the access road shall be repaired or replaced if they are damaged or have deteriorated beyond practical use. The operator shall be responsible for the condition of the existing cattleguard(s) that are in place and are utilized during lease operations.

A gate shall be constructed and fastened securely to H-braces.

Fence Requirement

Where entry is required across a fence line, the fence shall be braced and tied off on both sides of the passageway prior to cutting.

The operator shall notify the private surface landowner or the grazing allotment holder prior to crossing any fence(s).

Public Access

Public access on this road shall not be restricted by the operator without specific written approval granted by the Authorized Officer.

center line of roadway shouldertemout 10° 100 to tarroll to the constructed on all single lane roods on all single lane roods on all blind curves with add than a rands as reeded to reed specing listow 1993 feet. Typical Turnout Plan haight of hill of shoulder s¹ope THE THAT IS COUNTY OF THE PAST TO THE STATE OF THE STATE **Embankment Section** 63 - .05 4/A earth surface aggregate surface .02 - .04 4/8 02 - .03 fi/fi paved surface **Side Hill Section** fraisi surface ______ (slope 2 - 4%) fravel torface (s'ope 2 - 4%) **Typical Outsloped Section Typical Inslope Section**

Figure 1 - Cross Sections and Plans For Typical Road Sections

VII. DRILLING

A. DRILLING OPERATIONS REQUIREMENTS

The BLM is to be notified a minimum of 4 hours in advance for a representative to witness:

- a. Spudding well
- b. Setting and/or Cementing of all casing strings
- c. BOPE tests

⊠ Eddy County

Call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220, (575) 361-2822

- 1. Due to recent H2S encounters in the salt formation, it is recommended that monitoring equipment be onsite for potential Hydrogen Sulfide prior to drilling out the surface shoe. If Hydrogen Sulfide is encountered, please report measurements and formations to the BLM.
- 2. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval. If the drilling rig is removed without approval an Incident of Non-Compliance will be written and will be a "Major" violation.
- 3. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.
- 4. The record of the drilling rate along with the GR/N well log run from TD to surface (horizontal well vertical portion of hole) shall be submitted to the BLM office as well as all other logs run on the borehole 30 days from completion. If available, a digital copy of the logs is to be submitted in addition to the paper copies. The top and bottom of Salt are to be recorded on the Completion Report.

B. CASING

Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#).

Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.).

Centralizers required on surface casing per Onshore Order 2.III.B.1.f.

Wait on cement (WOC) time prior to drilling out for a primary cement job will be a minimum 18 hours for a water basin, 24 hours in the potash area, or 500 pounds compressive strength, whichever is greater for all casing strings. DURING THIS WOC TIME, NO DRILL PIPE, ETC. SHALL BE RUN IN THE HOLE. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. See individual casing strings for details regarding lead cement slurry requirements.

No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.

R-111-P potash. High cave/karst.

Possible lost circulation in the Rustler, Delaware and Bone Spring.

- 1. The 13-3/8 inch surface casing shall be set at approximately 350 feet (in a competent bed below potential fresh water zones and above the salt) and cemented to the surface. If the salt occurs at a shallower depth, the casing is to be set a minimum of 25 feet above the salt.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
 - b. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry.
 - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
 - d. If cement falls back, remedial cementing will be done prior to drilling out that string.

Formation below the 13-3/8" shoe to be tested according to Onshore Order 2.III.B.1.i. Test to be done as a mud equivalency test using the mud weight necessary for the pore pressure of the formation below the shoe and the mud weight for the bottom of the hole. Report results to BLM office.

2. The minimum required fill of cement behind the 9-5/8 inch intermediate casing is:

\boxtimes	Cement to surface. If cement does not circulate see B.1.a, c-d above.
	Wait on cement (WOC) time for a primary cement job is to include the
	lead cement slurry due to cave/karst and potash concerns.

Formation below the 9-5/8" shoe to be tested according to Onshore Order 2.III.B.1.i. Test to be done as a mud equivalency test using the mud weight necessary for the pore pressure of the formation below the shoe (not the mud weight required to prevent dissolving the salt formation) and the mud weight for the bottom of the hole. Report results to BLM office

The pilot hole plugging procedure is approved as written.

- 3. The minimum required fill of cement behind the 5-1/2 inch production casing is:
 - a. First stage to DV tool, cement shall:
 - Cement to circulate. If cement does not circulate, contact the appropriate BLM office, before proceeding with second stage cement job.
 - b. Second stage above first DV tool, cement shall:
 - Cement to circulate. If cement does not circulate, contact the appropriate BLM office, before proceeding with third stage cement job.
 - c. Third stage above second DV tool, cement shall:
 - Cement to surface. If cement does not circulate, contact the appropriate BLM office.
- 4. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
- 5. Whenever a casing string is cemented in the R-111-P potash area, the NMOCD requirements shall be followed.

C. PRESSURE CONTROL

- 1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53 Sec. 17.
- 2. Variance approved to use flex line with Serial #52754, 52755, 52776, 52777, 52778, 52782 from BOP to choke manifold. Check condition of 3" flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. Anchor requirements to be onsite for review. If the BLM inspector questions the straightness of the hose, a BLM engineer will be contacted and will review in the field or via picture supplied by inspector to determine if changes are required (operator shall expect delays if this occurs).
- 3. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be 5000 (5M) psi. 5M system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
- 4. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - a. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the plug. However, **no tests** shall commence until the cement has had a minimum of 24 hours setup time.
 - b. The tests shall be done by an independent service company utilizing a test plug **not a cup or J-packer**.
 - c. The results of the test shall be reported to the appropriate BLM office.
 - d. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
 - e. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug.

D. DRILL STEM TEST

If drill stem tests are performed, Onshore Order 2.III.D shall be followed.

E. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area.

Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

CRW 012812

VIII. PRODUCTION (POST DRILLING)

A. WELL STRUCTURES & FACILITIES

Placement of Production Facilities

Production facilities should be placed on the well pad to allow for maximum interim recontouring and revegetation of the well location.

Containment Structures

The containment structure shall be constructed to hold the capacity of the entire contents of the largest tank, plus 24 hour production, unless more stringent protective requirements are deemed necessary by the Authorized Officer.

Painting Requirement

All above-ground structures including meter housing that are not subject to safety requirements shall be painted a flat non-reflective paint color Shale Green, Munsell Soil Color Chart # 5Y 4/2

B. PIPELINES (not applied for in APD)

C. ELECTRIC LINES

STANDARD STIPULATIONS FOR OVERHEAD ELECTRIC DISTRIBUTION LINES

A copy of the grant and attachments, including stipulations, survey plat and/or map, will be on location during construction. BLM personnel may request to you a copy of your permit during construction to ensure compliance with all stipulations.

Holder agrees to comply with the following stipulations to the satisfaction of the Authorized Officer:

- 1. The holder shall indemnify the United States against any liability for damage to life or property arising from the occupancy or use of public lands under this grant.
- 2. The holder shall comply with all applicable Federal laws and regulations existing or hereafter enacted or promulgated. In any event, the holder shall comply with the Toxic Substances Control Act of 1976 as amended, 15 USC 2601 et seq. (1982) with regards to any toxic substances that are used, generated by or stored on the right-of-way or on facilities authorized under this right-of-way grant. (See 40 CFR, Part 702-799 and especially, provisions on polychlorinated biphenyls, 40 CFR 761.1-761.193.) Additionally, any release of toxic substances (leaks, spills, etc.) in excess of the

reportable quantity established by 40 CFR, Part 117 shall be reported as required by the Comprehensive Environmental Response, Compensation, and Liability Act, section 102b. A copy of any report required or requested by any Federal agency or State government as a result of a reportable release or spill of any toxic substances shall be furnished to the authorized officer concurrent with the filing of the reports to the involved Federal agency or State government.

- 3. The holder agrees to indemnify the United States against any liability arising from the release of any hazardous substance or hazardous waste (as these terms are defined in the Comprehensive Environmental Response, Compensation and Liability Act of 1980, 42 U.S.C. 9601, et seq. or the Resource Conservation and Recovery Act, 42 U.S.C. 6901, et seq.) on the Right-of-Way (unless the release or threatened release is wholly unrelated to the Right-of-Way holder's activity on the Right-of-Way), or resulting from the activity of the Right-of-Way holder on the Right-of-Way. This agreement applies without regard to whether a release is caused by the holder, its agent, or unrelated third parties.
- 4. There will be no clearing or blading of the right-of-way unless otherwise agreed to in writing by the Authorized Officer.
- 5. Powerlines shall be constructed in accordance to standards outlined in "Suggested Practices for Raptor Protection on Powerlines," Raptor Research Foundation, Inc., 1981. The holder shall assume the burden and expense of proving that pole designs not shown in the above publication are "raptor safe." Such proof shall be provided by a raptor expert approved by the Authorized Officer. The BLM reserves the right to require modification or additions to all powerline structures placed on this right-of-way, should they be necessary to ensure the safety of large perching birds. Such modifications and/or additions shall be made by the holder without liability or expense to the United States.
- 6. The holder shall minimize disturbance to existing fences and other improvements on public lands. The holder is required to promptly repair improvements to at least their former state. Functional use of these improvements will be maintained at all times. The holder will contact the owner of any improvements prior to disturbing them. When necessary to pass through a fence line, the fence shall be braced on both sides of the passageway prior to cutting the fence. No permanent gates will be allowed unless approved by the Authorized Officer.
- 7. The BLM serial number assigned to this authorization shall be posted in a permanent, conspicuous manner where the power line crosses roads and at all serviced facilities. Numbers will be at least two inches high and will be affixed to the pole nearest the road crossing and at the facilities served.
- 8. Upon cancellation, relinquishment, or expiration of this grant, the holder shall comply with those abandonment procedures as prescribed by the Authorized Officer.
- 9. All surface structures (poles, lines, transformers, etc.) shall be removed within 180 days of abandonment, relinquishment, or termination of use of the serviced facility or

facilities or within 180 days of abandonment, relinquishment, cancellation, or expiration of this grant, whichever comes first. This will not apply where the power line extends service to an active, adjoining facility or facilities.

10. Any cultural and/or paleontological resource (historic or prehistoric site or object) discovered by the holder, or any person working on his behalf, on public or Federal land shall be immediately reported to the Authorized Officer. Holder shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Authorized Officer. An evaluation of the discovery will be made by the Authorized Officer to determine appropriate actions to prevent the loss of significant cultural or scientific values. The holder will be responsible for the cost of evaluation and any decision as to proper mitigation measures will be made by the Authorized Officer after consulting with the holder.

11. Special Stipulations:

- For reclamation remove poles, lines, transformer, etc. and dispose of properly.
- Fill in any holes from the poles removed.

Timing Limitation Stipulation/Condition of Approval for Lesser Prairie-Chicken: Oil and gas activities including 3-D geophysical exploration, and drilling will not be allowed in lesser prairie-chicken habitat during the period from March 1st through June 15th annually. During that period, other activities that produce noise or involve human activity, such as the maintenance of oil and gas facilities, geophysical exploration other than 3-D operations, and pipeline, road, and well pad construction, will be allowed except between 3:00 am and 9:00 am. The 3:00 am to 9:00 am restriction will not apply to normal, around-the-clock operations, such as venting, flaring, or pumping, which do not require a human presence during this period. Additionally, no new drilling will be allowed within up to 200 meters of leks known at the time of permitting. Normal vehicle use on existing roads will not be restricted. Exhaust noise from pump jack engines must be muffled or otherwise controlled so as not to exceed 75 db measured at 30 ft. from the source of the noise.

IX. INTERIM RECLAMATION

During the life of the development, all disturbed areas not needed for active support of production operations should undergo interim reclamation in order to minimize the environmental impacts of development on other resources and uses.

Within six (6) months of well completion, operators should work with BLM surface management specialists (Jim Amos: 575-234-5909) to devise the best strategies to reduce the size of the location. Interim reclamation should allow for remedial well operations, as well as safe and efficient removal of oil and gas.

During reclamation, the removal of caliche is important to increasing the success of revegetating the site. Removed caliche that is free of contaminants may be used for road repairs, fire walls or for building other roads and locations. In order to operate the well or

complete workover operations, it may be necessary to drive, park and operate on restored interim vegetation within the previously disturbed area. Disturbing revegetated areas for production or workover operations will be allowed. If there is significant disturbance and loss of vegetation, the area will need to be revegetated. Communicate with the appropriate BLM office for any exceptions/exemptions if needed.

All disturbed areas after they have been satisfactorily prepared need to be reseeded with the seed mixture provided below.

Upon completion of interim reclamation, the operator shall submit a Sundry Notices and Reports on Wells, Subsequent Report of Reclamation (Form 3160-5).

X. FINAL ABANDONMENT & RECLAMATION

At final abandonment, well locations, production facilities, and access roads must undergo "final" reclamation so that the character and productivity of the land are restored.

Earthwork for final reclamation must be completed within six (6) months of well plugging. All pads, pits, facility locations and roads must be reclaimed to a satisfactory revegetated, safe, and stable condition, unless an agreement is made with the landowner or BLM to keep the road and/or pad intact.

After all disturbed areas have been satisfactorily prepared, these areas need to be revegetated with the seed mixture provided below. Seeding should be accomplished by drilling on the contour whenever practical or by other approved methods. Seeding may need to be repeated until revegetation is successful, as determined by the BLM.

Operators shall contact a BLM surface protection specialist prior to surface abandonment operations for site specific objectives (Jim Amos: 575-234-5909).

Seed Mixture 2, for Sandy Sites

The holder shall seed all disturbed areas with the seed mixture listed below. The seed mixture shall be planted in the amounts specified in pounds of pure live seed (PLS)* per acre. There shall be <u>no</u> primary or secondary noxious weeds in the seed mixture. Seed will be tested and the viability testing of seed will be done in accordance with State law (s) and within nine (9) months prior to purchase. Commercial seed will be either certified or registered seed. The seed container will be tagged in accordance with State law(s) and available for inspection by the authorized officer.

Seed will be planted using a drill equipped with a depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area (smaller/heavier seeds have a tendency to drop the bottom of the drill and are planted first). The holder shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. The seeding will be repeated until a satisfactory stand is established as determined by the authorized officer. Evaluation of growth will not be made before completion of at least one full growing season after seeding.

Species to be planted in pounds of pure live seed* per acre:

<u>Species</u>	l <u>b/acre</u>
Sand dropseed (Sporobolus cryptandrus)	1.0
Sand love grass (Eragrostis trichodes)	1.0
Plains bristlegrass (Setaria macrostachya)	2.0

^{*}Pounds of pure live seed:

Pounds of seed x percent purity x percent germination = pounds pure live seed