	01	C		A	tc.	-08-526/1		
UNITED STATES DEPARTMENT OF THE INTER BUREAU OF LAND MANAGER		CD Artesia			FORM A OMB NC	APPROVED) 1004-0136 /ember 30, 2000		
APPLICATION FOR PERMIT TO DRIL	L OR REENTE	R	ľ	5. Lease Seria NMNM054				
Ia. Type of Work Image: DRILL Image: REENT								
. Type of Well Oil Well Gas Well Other X Single Zone Multiple Zone 7. Unit or CA Agreement Name and No								
2. Name of Operator OXY_USA_Inc.	1669	6 e No (include area co	<u></u>	8. Lease Nam Federal				
3a Address P.O. Box 50250 Midland, TX 79710-0250		432-685-5717		9 API Well N 30-015-		30		
4. Location of Well (Report location clearly and in accordance with any S At surface 330 FNL 2510 FWL NENW	tate equirements)*			10.Field and P Sand Du	ool, or Ex	ploratory laware, West		
	NDARD LO			11 Sec., T., R Sec 22	, M., or B T 23S	lk. and Survey or Area		
14 Distance in miles and direction from nearest town or post office*	NUMPED LO	CATION		Sec 12. County or H		13. State		
20 miles northeast from	Loving, NM			Eddy		<u>NM</u>		
15. Distance from proposed* location to nearest	16. No. of Act	16. No. of Acres in lease 17. Sp			pacing Unit dedicated to this well			
property or lease line, ft. 330 (Also to nearest drg. unit line, if any)	2	320			0			
18. Distance from proposed location* to nearest well, drilling, completed, anplied for on this lease ft.	19 Proposed	19 Proposed Depth 20 B			No on fi	le		
applied for, on this lease, ft.	300 '			ES0136	5			
21. Elevations (Show whether DF, KDB, RT, GL, etc.	22. Approxim	ate date work will sta 8/09	rt*	23. Estima	ated durat	ion		
			· · · · · · ·		RE	CEIVED		
	24. Attachment		1 1		<u>0</u>	CT 1 4 2009		
The following, completed in accordance with the requirements of Onshore C			,		NRAO	CDD ARTESIA		
 Well plat certified by a registered surveyor. A Drilling Plan 		nd to cover the operation and to cover the operation of t	ons uni	ess covered by	anexiste	hg bond on file (see		
3 A Surface Use Plan (if the location is on National Forest System Lands, SUPO shall be filed with the appropriate Forest Service Office).	6. Suc	erator certification h other site specific in norized officer.	nformati	on and/or plan	is as may	be required by the		
25. Signuature	Name (Printed/T	vped)			Date			
25. Signuature	David Stewa	rt				5/15/09		
Title Sr. Regulatory Analyst								
Approved by (Signautre) /s/ Linda S.C. Rundell	ndell Name (Printed/Typed) Date OCT 7 2009					T 7 2009		
STATE DIRECTOR	DIRECTUR Office NM STATE OFFICE							
Application approval does not warrant or certify that the applicant holds le conduct operations thereon. Conditions of approval, if any, are attached.	gal or equitable ti		the subj	ect lease which	h would a			
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a United States any false, fictitious or fraudulent statements or representations			willfully	y to make to a	ny depart	ment or agency of the		

*(Instructions on Reverse)

Carlsbad Controlled Water Basin

с с 1 ж. Х. Х.

Approval Subject to General Requirements & Special Stipulations Attached

SEE ATTACHED FOR CONDITIONS OF APPROVAL 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: Federal 29#1 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 0545035
LEGAL DESCRIPTION:	330' FNL & 2,510' FWL (NENW) Section 29-T23S-R31E Eddy County, New Mexico
FORMATIONS:	None
BOND COVERAGE:	Nationwide

BLM BOND FILE NO.:

AUTHORIZED SIGNATURE:

OXY USA Inc.

ES 0136

ma

Donna G. Havins

Land Negotiator

May 14, 2009

TITLE:

DATE:

cc: David Stewart

1301 W. Gr District III 1000 Rio E District IV	and Aver Brazos Re	nue, Arte 1., Aztec	NM 88240 sia, NM 8821 , NM 87410 nta Fe, NM 8	10 87505	(1	rais & No DIL CONSE 220 Sout Santa f	atural RVATI h St. ^F e, NI	ON DIVISIO Francis [M 87505)r.	Submit	to Approp Sta Fe	d Octobe oriate Dis Ite Lease	rm C-102 r 12, 2005 etrict Office - 4 Copies - 3 Copies REPORT
[API	Numb				Code	ACRE	7	CATION PLA	Pool Name			
30-0	5-	37:	530		538				Sand Du	unos Del	(cwor		
	perty Co SZC					f	roperty 1	Name 'EDERAL	29			W	ell Number 1
	GRID No.)perator		~~				Elevation
16	694					OXY	USA	INC.				3	339.6'
								Location		•			
UL or lot no.	Section 29		ownship SOUTH	91	Rang EAST, N		Lot Idn	Feet from the 330'	Feet from the	East/Wes	t line IST	County	
	29	20					<u> </u>		NORTH	2510'	<i>"L</i>		EDDI
UL or lot no.	Section	Ţ	ownship	Bottom Hole Loca Range					It From Su North/South line		East/Wes	t line	County
Dedicated	Acres	Joint	or Infill	Consoli	dation Code	Order No.		1	I	لى _{سىم} د ا			1
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No allowal division.	ole will	be as	1	this c		SURFACE L NEW MEXIC NAD 1 Y=4665 LAT.: N 32. LONG.: W 10	OCATION 00 EAST 927 939.1 2816671		onsolidated or	I her contr to th belie eithe unled inclu locat well contr mine volur comp enter Signe D	OPERATOR reby certify ained here best of f, and tha r owns a rowns a rowns a rowns a rowns a f, and tha sed miner ding the p tion or has at this loc ract with o ract with o ract work ral or work	R CERTIF that the in is true my know t this or ral interes proposed s a right cation pur- part train owner thing interes thing interes oling order division.	e information e and complete wiedge and ganization interest or st in the land bottom hole to drill this rsuant to a of such a rest, or to a ment or a er heretofore S[15[0] Date
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LOCATION VERIFICATION MAP



SEC. <u>29</u> TWP.<u>23-S</u> RGE.<u>31-E</u> SURVEY <u>N.M.P.M.</u> COUNTY <u>EDDY</u> DESCRIPTION <u>330' FNL & 2510' FWL</u> ELEVATION <u>3339.6'</u> OPERATOR <u>OXY USA INC.</u> LEASE <u>SAND DUNE FEDERAL 29 #1</u> U.S.G.S. TOPOGRAPHIC MAP LOS MEDANOS, N.M.

DIRECTIONS: BEGINNING AT THE INTERSECTION OF N.M. STATE HWY. #128 AND EDDY COUNTY ROAD #798 (RED ROAD), GO NORTHWEST ON N.M. STATE HWY. #128 FOR 3.9 MILES, FURN LEFT AND GO SOUTH ON LEASE ROAD FOR 0.5 MILES, TURN RIGHT ON PROPOSED ROAD AND CO WEST FOR 0.5 MILES TO LOCATION.



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25	;	30	•``°.•'2			Pogo Producing	Company
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36					Locations Locations Locations Wells Drit	with Approved APD's vi led/Completed pursuant	ash Area via Potash Agreeme Potash Area via Potash Agreem a prior Mosaic Potash Deal to prior Mosaic Potash Deal
	-	31 100%	50% 32	₩. •	Producing) Oil Well 5 Well Recomplated as D 5posal Well	Jelaware Oil Well or Sait
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		360 6 		່ ອີ ອີ	Note: (1) Cross-H		(i)Rogo (50%) Potassium Leases win is Agreement Incident to Ited 6/29/2007, Pogo Producing

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FLOWLINES DETAILS

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FROM	TO	FLUID	LINE SIZE	LINE LENTH	MATERIAL	PSI RATING	BURIED
FEDERAL 29-1	FEDERAL 29-8	PRODUCTION	4"SDR7	1 209	HDPE	LOW	NO
FEDERAL 29-5	FEDERAL 29-8	PRODUCTION	4"SDR7	1 209	HDPE	LOW	NO
MOBIL FEDERAL 29-2	FEDERAL 29-8	PRODUCTION	4"SDR7	0 4MILES	HDPE	LOW	NO
MOBIL FEDERAL 29-3	FEDERAL 29-8	PRODUCTION	4"SDR7	0 2MILES	HDPE	LOW	NO
MOBIL FEDERAL 29-9	FEDERAL 29-8	PRODUCTION	4"SDR7	0 2MILES	HDPE	LOW	NO
MOBIL FEDERAL 29-10	FEDERAL 29-8	PRODUCTION	4"SDR7	0 1MILES	HDPE	LOW	NO
MOBIL FEDERAL 29-8	MOBIL FED SW	WATER			HDPE	LOW	YES
MOBIL FEDERAL 29-8		GAS			HDPE	LOW	YES

KOGRAM				
or Name	OXY USA Inc.		16696	
ease Name/Number	Federal 29 #1		304820	Federal Lease No. NM054035
Pool Name/Number:	Sand Dunes Delaw	are, West	53815	
Surface Location:	330 FNL 2510 FWL	NENW(C)		Sec 29 T23S R31E
Proposed TD:	8300' TVD	8300'	TMD	Elevation: 3339.6' GL
SL - Lat: 32.2816671	Long: 103.7997575	X=664899.1	Y=46659	97.9 NAD - 1927

1. Geologic Name of Surface Formation:

a. Permian

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

Geological Marker	<u>Depth</u>	Type
a. Upper Permian Sand	350'	Water
b. Anhydrite	3853'	Oil
c. Delaware	4035'	Oil
d. Bell Canyon	4107'	Oil
e. Cherry Canyon	4984'	Oil
f. Brushy Canyon ,	6275'	Oil
g. Bone Springs	7938'	Oil

3. Casing Program:

<u>Hole</u> <u>Size</u>	<u>interval</u>	<u>OD Csg</u>	<u>Weight</u>	<u>Collar</u>	<u>Grade</u>	<u>Condition</u>	<u>Collapse</u> <u>Design</u> <u>Factor</u>	<u>Burst</u> <u>Design</u> <u>Factor</u>	<u>Tension</u> <u>Design</u> <u>Factor</u>
14-3/4"	400'	11-3/4"	42#	ST&C	H40	New	7.48	9.88	2.6
10-5/8"	4000'	8-5/8"	32#	LT&C	J55	New	2.32	1.31	2
7-7/8"	8300' (DVT-3950)	5-1/2" "	17#	LT&C	J55	New	1.27	1.4	1.94
	See C	UA				,	т		

4. Cement Program

Surface a. 11-3/4" Circulate cement to Surface w/ 350sx PP w/ 2% CaCl2., 14.8 ppg 1.34 yield

b. 8-5/8" Intermediate Circulate cement to surface w/ 930sx HES light PP w/ 5% Salt + 5#/sx Gilsonite + .125#/sx Poly-E-Flake 12.9 ppg 1.87 yield followed by 200sx PP, 14.8 ppg 1.32 yield.

c. 5-1/2" Production Cement 1st stage w/ 260sx IFH w/ 5# Gilsonite + .125#/sx Poly-E-Flake, 11.5 ppg 2.80 yield followed by 370sxSuper H w/ .5% LAP-1 + .4% CFR-3 + 5#/sx Gilsonite + 3#/sx Salt + .25% D-AIR 1, 13.2 ppg 1.65 yield. Cement 2nd stage w/ 230sx IFC w/ .5% LAP-1 + .25#/sx CFR-3 11.5ppg 2.78 yield followed by 100sx PP 14.8 ppg 1.32 yield Estimated TOC @ Surface. - Ind Stage 280 5x / 150 5x - per operator 1/20/09

RGH 8/19/09

Control Equipment:

None

Production 400-8300'

Surface 0-400'

11" X 5M Double Ram, 11" X 3M Annular, 5M Choke Manifold

All BOP's and associated equipment will be tested to 1200psi with the rig pump before drilling out the 11-3/4" casing shoe. Prior to drilling out the 8-5/8" casing shoe, the BOP's and Hydril will be tested as per BLM Drilling Operations Order #2.

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 incorporated in 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.

Request variance to connect BOP outlet to the choke manifold a flex line 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, certification attached.

<u>Depth</u>	<u>Mud Wt.</u> ppg	<u>Visc</u> sec	<u>Fluid</u> Loss	<u>Type System</u>	
0-400'	8.4-8.8	32-34	NC	Fresh Water/MI Gel Spud Mud	1
400-4000'	9.9-10.0	28-29	NC	Brine Water	
4000-7900'	8.4-8.5	28-29	NC	Fresh Water	
7900-8300'	9.5-9.6	32-36	10-15	FW Mud/Duo Vis/Poly Pac R	

6. Proposed Mud Circulation System

The necessary mud products for weight additional 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.

8. Logging, Coring and Testing Program:

- 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 Triple Combo CNL\LDT\DLL.
- 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 .55psi/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.

Red Starting Date and Duration of Operations:

1

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.

1







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 pel

 Suppliar File Number
 : 412638

 Date of Shipment
 : April. 2008

 Customer
 : Phoentx Beattle Co.

 Customer P.o.
 : 002491

 Referenced Standarde
 /

 / Codes / Specificationa : API Spec 16 C

 Serial No.: 52754,52755,52776,52777,52778.2

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

Date: 04. April. 2008

Signed : Jack Position: Q.C. Manager

A No 008	330 Client HE	LMERICH & PA	WE INT'L DRILLING	Const	Nef 37	0-369-001			Page	1
Part No	Description	Metarial Deec	Material Spec	City			Test Cart No	Bin No	Drg No	lesue No
P10034-58-671	3" 10K 10C COK 100K × 3672 CRL			1		62777/1004		WITER .		
900-1849	LIFTING & SWIETY BRUDNERT 10			1		000140		A/ST2L		
SOM-2003	SWEETY CLARP HERE 7.251	CRANCO STREEL		1	2519			芝		
90729-14805	SHALLA C'THE THE T'THE	CANNERS STEEL		1	2942	10,10		12		
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We hereby certify thet these goods have been inspected by our Cuality 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 Beatle Corporation.





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Quality	Document

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QUAL INSPECTION	ITY CONT		ATE	CERT.	17	748	
PURCHASER	Phoenix Bea	ittie Co.	·	P.O. N.	00	2491	
Contitech order Nº:	412858	HOSE TYPE:	3° 10	Ch	oke and Ki	Hose	
HOBE SERIAL Nº:	52777	NOMINAL / ACT	UAL LENGTH		10,67 m		
W.P. 68,88 MPa 1	0000 pel	T.P. 103,4	MP4 1500) pul	Duration:	60 ~	nd
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	HIÐI	H02 J.3L			006338		05/23/2008	
tem No	Best	ie Pert Kussber / Descript	lon		Qty Ordaned	Oty Sent	Qty Folio	
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	SECKI-HPF3 LIFTING & SAFETY EQUIPM 2 x 160mm ID Safety Clai 2 x 244mm ID Lifting Coi 2 x 7ft Statinless Studi 2 x 7.ft Statinless	llars & element C's			1	1		٥
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--- FHOENIX Beattie

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Delivery Note

Customer Aco'No

Customer Order Number	370-369-001	Delivery Note Number	603078	Page	2
Customer / Involue Addres Helmerich & Payne Int'l () 1487 South Boulder Tulsa, ()K 74119		Delivery / Address Helverich & Pavie IDC Attin: Joe Termenson - Rei 13699 Houstrum, Rund Houston, Tr 77015	§ 370		

Phoenix Beattle Contract Manager Phoenix Beattle Reference

	H01	JIL		006336		05	/23/2008
ltem No	Best	le Part Number / Description		City Ordered	City Sent	Ţ	City To Follow
4	SC725-13205 SAFETY CLAMP 13200 7.2	st C/s galvanized c/n bolts		1		1	0
5	oocert-hydro hydrostatic pressure t	est centificate		1		1	0
	ogcert-lond Lond test certificates			1	:		0
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		Phoenix Beattle Inspection Signatu	•: 7		Alex		
		Received in Good Condition : Big	V	4	+-		
		Print	Name		<u> </u>	_	

Dees All goods remain this property of Phoesic Blacks und peld for in full. Any damage or elevrage on this delivery must be advised within 5 days. Returns may be addent to a handling sharps.







OXY FLEX IV PAD (Closed Loop System)

Revised 05/14/2009





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OXY Permian

EMERGENCY ACTION PLAN

POTASH AREA

Federal 23 Federal 29 Lost Tank 3 Federal Lost Tank 4 Federal Lost Tank 10 Federal Lost Tank 11 Federal Mobil Federal

DRILLING/WORKOVER

DRILLING AND CRITICAL WELL OPERATIONS

05/18/2009

Bureau of Land Management RECEIVED

MAY 18 2009

Carlsbad Field Office Carlsbad, NM

DRILLING/WORKOVER DRILLING AND CRITICAL WELL OPERATIONS

EMERGENCY ACTION PLAN

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EMERGENCY RESPONSE ACTIVATION AND GENERAL RESPONSIBILITIES	4
SPECIFIC EMERGENCY GUIDANCE - Well Control - H2S Release - Personal Injury or Death - Fire or Explosion - Spills - Hydrocarbon Vapor Cloud Release - Bomb Threat - Natural Disasters – Tornadoes and Thunderstorms	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
ΜΑΟ	22.00

05/18/2009

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.

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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:
 - 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.

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

Floorman # 1:

- Go to accumulator control station and await signal from Derrickman. 1.
- 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.

Floorman # 3:

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:

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

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WELL CONTROL

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.
- Record drill pipe and casing shut-in pressures and pit volume increase, and begin kill sheets. 5.

Derrickman: (same as while drilling)

Floor Man # 1:

- 1. Install full opening valve (with help from Floorman #2) in top drill string connection.
- Tighten valve with make up tongs. 2.
- 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).
- Record accumulator pressures and check for leaks in the BOP and accumulator system. 5.
- Report to Driller, and be readily available as required for additional tasks. 6.

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.
- Check location for ignition sources and extinguish or turn off, and stop any welding in progress. 5:
- Report to Driller, and be readily available as required for additional tasks. 6.

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.
- Remain at the briefing area, assess and monitor personnel and overall situation for hazards or 5. 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.
- Utilize the buddy system to secure well and perform rescue(s). 2.
- 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. Notify Drilling Superintendent or Drilling Manager and RMT Leader or Local Incident Commander, and Police. Fire Department, or other local emergency services as required.

2.

PERSONAL IN IURY 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.

3. Maintain a safe distance from the cloud.

4. Render first aid and call for an ambulance as necessary.

Attempt to warn approaching individuals of the hazard.

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:

а.

b.

C.

Date

- Realize that every bomb threat is serious.
- Notify Corporate Security
- 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

Name of person taking call

Phone # call came on _

FILL OUT COMPLETELY IMMEDIATELY AFTER BOMB THREAT

- 1. When is the bomb set to explode?
- 2. Where is the bomb located?
- 3. What does the bomb look like?___
- 4. What type of bomb is it?
- 5. What will cause the bomb to explode?
- 6. Did the caller place the bomb?____
- 7. Why did the caller place the bomb?
- 8. What is the caller's name and address?_____

Callers: Sex___ Age___Race__ Length of call____

DESCRIPTION OF CALLER'S VOICE (Check all that apply)

		the start fig		
Calm`	Rapid	Laughing	Lisp	Disguised
Angry	Crying	Raspy	Accent	Familiar? Who did
Excited	Normal	Deep	Stutter	it sound like?
Slow	Distinct	Ragged	Deep	Deep Breathing
Loud	Slurred	Nasal	Clearing Th	roat 👘 👘 👘 👘 👘

BACKGROUND SOUNDS:

Street	Factory	Music	Local Call
Noises	Machinery	Static	Long Distance
Voices	Animals	PA System	Phone Booth
OfficeClear	Other		

THREAT LANGUAGE:

Well-Spoken ____Foul ____Incoherent ___Irrational ____Taped ____Taped

REMARKS:

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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. Stay 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.
- 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 <u>NOT</u> 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.

Drilling Dept. Emergency Contact list

Drilling Manager Scott Cooper 713-366-5325 office 281-352-5865 cell

Drilling Superintendent Festus Hagan 713-366-5946 office 432-894-5352 cell

Drilling Eng. Supervisor Richard Jackson 713-215-7235 office 281-467-6383 cell

HES Specialist-Drilling Brian Bielss 432-685-5719 office 432-813-6335 cell

Drilling Coordinator Drue Dunaway 432-685-5715 office 432-556-3288 cell

Drilling Coordinator Kevin Videtich 806-592-6213 office 806-891-2000 cell

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OXY Permian Incident Reporting Phone List

05/18/2009

OXY Permian Crisis Team Hotline Notification (713) 935-7210

Person	Location	Office Phone	Cell/Mobile Phone
Asset Management-Operations Areas			
OXY Permian President & General Manager:	TT	(710) 0/(5140	
Ken Dillon	Houston	: (713) 366-5140	(661) 333-9315
Operations Support Manager: Rick Callahan	Houston	(713)-215-7578	(281) 389-1141
Asset Development Manager-Jeff Simmons	Houston	(713) 366-5124	(713) 560-8073
Public Affairs: Stacey Crews	Houston	(713) 366-5304	(713) 416-8381
Operations South-Frontier			
RMT Lead Frontier-Barry Beresik	Houston	(713) 366-5016	(713) 560-8061
RMT Lead South-Keith Brown	Houston	(713) 366-5354	(713) 264-1114
Surface Operations Team Lead-Bill Elliott	Midland	- (432) 685-5845	(432) 557-6736
Well Operations Team Lead-Learnon Hood	Midland	(432) 685-5794	(432) 634-4486
Well Servicing Team Lead-Vicki Hollub	Houston	(713) 215-7332	(713) 885-6347
WST Coord Frontier-Kirk Hobbs	Midland	(432) 685-5951	(432) 634-3890
WST Coord South-Robert Ricks	Midland	(432) 685-5821	(432) 634-8791
NM Frontier Oper Coord -Larry Sammons	Carlsbad	(575) 887-8337	(575) 390-8397
NM-South Oper Coord-Gilbert Williams	Seminole	(432) 385-2778	(806) 215-0009
NM Frontier Oper Coord -Van Barton	Carlsbad	(575) 887-8337	· · · · ·
Completion Specialist-Dale Redding	Hobbs	(432) 385-3206	, ,
HES Staff & Areas of First Contact Support	TT	(712) 266 5460	(281) 074 0522
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: Judy Browning	Midland	(432) 685 5692	(432) 661 1048
Environmental Consultant: Dennis Newman	Houston	(713) 366-5485	(713) 560-8060
Safety Engineer: Derek Purvis	Houston	(713) 366-5932	(713) 582-1848
Pipeline Safety: Don Bales	Midland	(432) 685-5844	(432) 894-1960
HES Lead-Pete Maciula	Midland	(432) 685-5667	(432) 557-2450
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 Résponsibility			
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-Liz Bush-Ivie	Houston	(713) 366-5303	832-474-3701
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Regulatory Analyst-David Stewart	Midland	(432) 685-5717	روائر برجا فرفون بود جا اس آفان
Regulatory Analyst-Elizabeth Casbeer	Midland	(432) 685-5755	
Regulatory Analyst-Mark Stephens	Houston	(713) 366-5158	
DOT-Pipeline Response Numbers			
N. Hobbs Unit: Steve Bishop	Hobbs	(575) 397-8251	(575) 390-4784
Wasson PMT: Todd King	Denver City	(806) 592-6274	(806) 215-018
Bravo/Slaughter PMT: Gary Polk	Levelland	(806) 229-9708	(806) 638-242
Cogdell RMT: Dean Peevy	Cogdell	(325) 573-7272	(325) 207-336
Sharon Ridge: Carl Morales	Sharon Ridge	(325) 573-6341	(325) 207-337
All DOT Pipeline Support: Donald Bales	Midland	(432) 685-5844	(432) 894-196
OOGC HES Contacts			
Manager HES: Wes Scott	OOGC – Houston	(713) 215-7171	(713) 203-405
Worldwide Safety Mgr: Greg Hardin alternate	OOGC – Houston	(713) 366-5324	(713) 560-803
Worldwide Environ. Mgr: Ravi Ravishankar	OOGC – Houston	(713) 366-5039	(832) 863-224
OOGC Risk Management		*	· · · · · ·
Jim Garrett	Los Angeles	(310) 443-6588	(310) 710-323
Greg LaSalle, alternate	Los Angeles	(310) 443-6542	(310) 710-225
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- OXY Permian Ltd.: Danny Ross		(972) 728-3600 X252	(800) 349-849
Axiom Medical Consulting			· · · · · · · · · · · · · · · · · · ·
Medical Case Management		(877) 502-9466	· · · ·
OXY Permian Legal			· · · · · · · · · · · · · · · · · · ·
Tom Janiszewski	Houston	(713) 366-5529	(713) 560-804
Human Resources			
H.R. Manager: Barbara Bernhard	Houston	(713) 215-7150	(713) 702-794
H.R. Consultant: Amy Thompson	Houston	(713) 215-7863	(281) 799-734
H.R. Consultant: Laura Matthews	Houston	(713) 366-5137	(713) 569-038
H.R. Consultant: Jill Williams	Midland	(432) 685-5818	(432) 661-458
Corporate Security			
Frank Zapalac	Houston	(713) 215-7157	(713) 829-575
Hugh Moreno, alternate	Houston	(713) 215-7162	(713) 817-3322
Regulatory Agencies			

Bureau of Land Management	Carisbad, NNI	(575) 887-6544	م تن شر تر محمود ارت مد
Bureau of Land Management	Hobbs, NM	(575) 393-3612	
Bureau of Land Management	Roswell, NM	(575) 393-3612	
Bureau of Land Management	Santa Fe, NM	(505) 988-6030	
DOT Juisdictional Pipelines-Incident Reporting New México Public Regulation Commission	Santa Fe, NM	(505) 827-3549 (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	, .
		(505) 827-7152	·
New Mexico OCD Environmental Bureau	Santa Fe, NM	(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	1
Myra Sande	Harding County, NM	(575) 673-2231	,
Jerry Reynolds	Lea County, NM	(575) 396-8600	(575) 399-2376

toyce Creager	Loving County; TX	······(432)·377-2231····	" ung" i la mangina i a par es
Mike Cherry	Quay County, NM	(575) 461-2476	the second se
Della Wetsel	Union County, NM	(575) 374-8896	· · · · · · · · · · · · · · · · · · ·
3onnie Leck	Winkler County, TX	(432) 586-6658	
Carl Whitaker	Yoakum County, TX	(806) 456-7491	
Law Enforcement - Sheriff	харан (т. 1997) 1997 — Пара Саран (т. 1997) 1997 — Пара Саран (т. 1997)		· · · · · · · · · · · · · · · · · · ·
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	· 、
Jnion Cty Sheriff's Department	Union County (Clayton)	(505) 374-2583	• •
Yoakum City Sheriff's Department	Yoakum Co.	(806) 456-2377	. • ,
		, <u>, , , , , , , , , , , , , , , , , , </u>	
Law Enforcement - Police Andrews City Police	Andrews, TX	(432) 523-5675	
Artesia City Police	Artesia, NM	(452) 323-3073	
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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) 393-2677	
al City Police	Jal, NM	(575) 395-2501	- x - •
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	- ,
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	
VM 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	<u></u>

Amistad/Rosebud	Amistad/Rosebud,	NM (505) 633-9113	
05/18/2009			Page 14 of 15
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Andrews	Andrews, TX	(432) <u>523-4820</u> (432) <u>523-3111</u>	a sha har qi is her y
Artesia	Artesia, NM	(575) 746-5051	
Carlsbad	Carlsbad, NM	(575) 885-3125	, , , , , , , , , , , , , , , , , , ,
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	
		(432) 758-3676	
Seminole	Seminole, TX	· (432) 758-9871	<u> </u>
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	
		(432) 758-8816	
Seminole Ambulance	Seminole, TX	(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	
		(800) 092-1331	
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SURFACE USE PLAN OF OPERATIONS

Operator Name	OXY USA Inc.	16696
Lease Name/Number	Federal 29 #1	304820 Federal Lease No. NM054035
Pool Name/Number:	Sand Dunes Delaware, West	53815
Surface Location:	330 FNL 2510 FWL NENW (C)	Sec 29 T23S R31E

1. Existing Roads

- a. A copy of a USGS "Los Medanos, N.M." quadrangle map is attached showing the proposed location. The well location is spotted on this map, which shows the existing road system.
- b. The well was staked by Terry J. Asel, Certificate No. 15079 on 2/26/09, certified 5/14/09.
- c. Directions to Location: From the the intersection of SH 128 and CR 798, go northwest on SH 128 for 3.9 miles. Turn left and go south on lease road for 0.4 miles. Turn right and go west .6 miles, turn left and go southeast .2 miles, turn left on proposed road and go east for 70 feet to location.

2. New or Reconstructed Access Roads:

- a. A new access road will be built. The access road will run approximately 70' from an existing road to the location. See Exhibit #2.
- b. The maximum width of the road will be 15'. It will be crowned and made up of 6" of rolled and compacted caliche. Water will be deflected, as necessary, to avoid accumulation and prevent surface erosion.
- c. Surface material will be native caliche. This material will be obtained from a BLM approved pit nearest in proximity to the location. The average grade will be approximately 1%.
- d. No cattle guards, grates or fence cuts will be required. No turnouts are planned.

3. Location of Existing Wells:

Existing wells within a one mile radius of the proposed well are shown on Exhibit #3.

4. Location of Existing and/or Proposed Production Facilities.

- a. In the event the well is found productive, the Federal 29 tank battery would be utilized and the necessary production equipment will be installed at the well site. See proposed Production Facilities Layout diagram, Exhibit #4.
- b. If necessary, electric power poles will be set along side of the access road.
- c. All flowlines will adhere to API Standards, Exhibit #4

5. Location and types of Water Supply.

This well will be drilled using a combination of water mud systems. It will be obtained from commercial water stations in the area and will be hauled to location by transport truck using existing and proposed roads.

6. Construction Materials:

All caliche utilized for the drilling pad and proposed access road will be obtained from an existing BLM approved pit or from prevailing deposits found under the location. Will use BLM recommended use of extra caliche from other locations close by for roads, if available.

7. Methods of Handling Waste Material:

- a. A closed loop system will be utilized consisting of above ground steel tanks and haul-off bins. Disposal of liquids, drilling fluids and cuttings will be disposed of at an approved facility, see C-144 CLEZ.
 - 1. Solids CRI
 - 2. Liquids Laguna
- b. All trash, junk, and other waste material will be contained in trash cages or bins to prevent scattering. When the job is completed, all contents will be removed and disposed of in an approved sanitary landfill.
- c. The supplier, including broken sacks, will pick up slats remaining after completion of well.
- d. A Porto-john will be provided for the rig crews. This equipment will be properly maintained during the drilling and completion operations and will be removed when all operations are complete.

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e. Disposal of fluids to be transported will be by the following companies: TFH Ltd. - Laguna SWD Facility

8. Ancillary Facilities: None needed

9. Well Site Layout

Exhibit #5 shows the proposed well site layout with dimensions of the pad layout and equipment location. V-Door-South Tanks-East

10. Plans for Surface Reclamation:

- a. After concluding the drilling and/or completion operations, if the well is found non-commercial, the caliche will be removed from the pad and transported to the original caliche pit or used for other drilling locations. The road will be reclaimed as directed by the BLM. The original top soil will again be returned to the pad and contoured, as close as possible, to the original topography.
- b. If the well is deemed commercially productive, caliche from areas of the pad site not required for operations will be reclaimed. The original top soil will be returned to the area of the drill pad not necessary to operate the well. These unused areas of the drill pad will be contoured, as close as possible, to match the original topography, and the area will be seeded with an approved BLM mixture to re-establish vegetation.

11. Surface Ownership

The surface is owned by the U.S. Government and is administered by the BLM. The surface is multiple use with the primary uses of the region for the grazing of livestock and the production of oil and gas. The surface is leased to: Stacey Mills, LLC P.O. Box 1358 Loving, NM 88256. They will be notified of our intention to drill prior to any activity.

12. Other Information

- a. The vegetation cover is generally sparse consisting of mesquite, yucca, shinnery oak, sandsage and perennial. native range grass. The topsoil is sandy in nature. Wildlife in the area is also sparse consisting of deer, coyotes, rabbits, rodents, reptiles, dove and quail.
- b. There is no permanent or live water in the general proximity of the location.
- c. There are no dwellings within 2 miles of the proposed well site.
- d. A Cultural Resources Examination this well is located in the Permian Basin MOA.

Pad + 1/4 mile road	\$1,300.00	\$0.15/ft over 1/4 mile	\$0.00	\$1,300.00
Pipeline - up to 1mile	\$1,200.00	\$250 per 1/4 mile	\$0.00	\$1,200.00
Electric Line - up to 1mile	\$600.00	\$0.17/ft over 1 mile	\$0.00	\$600.00
Total	\$3,100.00		\$0.00	\$3,100.00

13. Bond Coverage:

Bond Coverage is Nationwide Bond No. ES0136.

Operators Representatives:

The OXY Permian representatives responsible for ensuring compliance of the surface use plan are listed below.

Larry Sammons Production Coordinator P.O. Box 1988 Carlsbad, NM 88220 Office Phone: 505-887-8337 Cellular: 575-390-8397

Fetus Hagan Drilling Superintendent P.O. Box 4294 Houston, TX 77210 Office Phone: 713-366-5946 Cellular: 281-460-4291

Richard Jackson Drilling Engineering Supervisor P.O. Box 4294 Houston, TX 77210 Office Phone: 713-215-7235 Cellular: 281-467-6383 Van Barton Production Coordinator P.O. Box 1988 Carlsbad, NM 88220 Office Phone: 505-887-8337 Cellular: 575-706-7671

Calvin (Dusty) Weaver Operation Specialist P.O. Box 50250 Midland, TX 79710 Office Phone: 432-685-5723 Cellular: 806-893-3067

Carmilo Arias Drilling Engineer P.O. Box 4294 Houston, TX 77210 Office Phone: 713-366-5953 Cellular: 281-468-4652

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 14th day of May, 2009.

)

Name: Denise Woods Denis Wood Position: RMT Leaader

Address: 5 Greenway Plaza, Ste. 110, Houston, TX 77046_____

Telephone: 713-215-7154 _

E-mail: (optional): denise_woods@oxy.com____

Company: OXY USA Inc._

Field Representative (if not above signatory): Larry Sammons____

Address (If different from above): 102 S. Main St., Carlsbad, NM 88220

Telephone (if different from above): 575-887-8337

E-mail (if different from above): larry_sammons@oxy.com____
PECOS DISTRICT CONDITIONS OF APPROVAL

OPERATOR'S NAME:	OXY USA Inc.
LEASE NO.:	NM0545035
WELL NAME & NO.:	Federal 29 # 1
SURFACE HOLE FOOTAGE:	330' FNL & 2510' FWL
BOTTOM HOLE FOOTAGE	Same
LOCATION:	Section 29, T. 23 S., R 31 E., NMPM
COUNTY:	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
 - Lesser Prairie Chicken
 - Sand Dune Lizard

Construction

- Notification
- Topsoil
- Closed Loop System
- Federal Mineral Material Pits
- Well Pads
- Roads
- **Road Section Diagram**
- **Drilling**
 - R-111-P Potash
 - Logging requirements
- **Production** (Post Drilling)
 - Well Structures & Facilities
 - Pipelines
 - Electric Lines
- Reseeding Procedure/Interim 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)

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, 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 feet from the source of the noise.

Ground-level Abandoned Well Marker to avoid raptor perching: Upon the plugging and subsequent abandonment of the well, the well marker will be installed at ground level on a plate containing the pertinent information for the plugged well. For more installation details, contact the Carlsbad Field Office at 575-234-5972.

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) 234-5972 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

D.

The operator shall stockpile the topsoil of the well pad. The topsoil shall not be used to backfill the reserve pit and will be used for interim and final reclamation.

C. CLOSED LOOP SYSTEM

Although this is a closed loop system and no reserve pits will be utilized, the v-door will be on the south side of the location.

Tanks are required for drilling operations: No Pits.

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

FEDERAL MINERAL MATERIALS PIT

If the operator elects to surface the access road and/or well pad, mineral materials extracted during construction of the reserve pit may be used for surfacing the well pad and access road and other facilities on the lease.

Payment shall be made to the BLM prior to removal of any additional federal mineral materials from any site other than the reserve pit. 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.

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 thirty (30) 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:



Centerline of Road Driving Surface

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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.



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: 400' + 100' = 200' lead-off ditch interval

4%

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 Réquirement

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.

Figure 1 – Cross Sections and Plans For Typical Road Sections



VII. DRILLING

. 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. Although Hydrogen Sulfide has not been reported in this section, it is always a potential hazard. If Hydrogen Sulfide is encountered, please report measured amounts 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.
- 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 is located, this does not include the dog house or stairway area.

The record of the drilling rate along with the CAL/GR/N well log run from TD to surface will be submitted to the BLM office as well as all other logs run on the borehole 30 days from completion. The Rustler top and top and bottom of Salt is to be recorded on the Completion Report.

CASING

B.

Changes to the approved APD casing and cement program require submitting a sundry and receiving approval prior to work. Failure to obtain approval prior to work will result in an Incident of Non-Compliance being issued.

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

Wait on cement (WOC) time 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. 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

Possible lost circulation in the Delaware and Bone Spring formations. Possible water and brine flows in the Salado, Castile, Delaware and Bone Spring formations.

1. The 11-3/4 inch surface casing shall be set at approximately 400 feet (a minimum of 25 feet into the Rustler Anhydrite and above the salt) and cemented to the surface. If the salt is encountered 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.

b. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry.

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.

2. The minimum required fill of cement behind the 8-5/8 inch intermediate casing is: The intermediate should be set at approximately 4000 feet in the Fletcher Anhydrite or Lamar Limestone.

> 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 potash concerns.

The DV tool should be placed a minimum of 50 feet below the intermediate casing shoe.

- The minimum required fill of cement behind the 5-1/2 inch production casing is:
 - a. First stage to DV tool, cement shall:

3.

- Cement to circulate. If cement does not circulate, contact the appropriate BLM office, before proceeding with second stage cement job.
- b. Second stage above 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.

. 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 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.
- 3. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be 3000 (3M) psi. Operator is using a 5M system but testing as a 3M.
- 4. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - a. The tests shall be done by an independent service company.
 - b. The results of the test shall be reported to the appropriate BLM office.
 - c. 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.

- d. 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.
- e. Effective November 1, 2008, no variances will be granted on reduced pressure tests on the surface casing and BOP/BOPE. Onshore Order 2 requirements will be in effect.

D. DRILL STEM TEST

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

RGH 081909

VIII. PRODUCTION (POST DRILLING)

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

STANDARD STIPULATIONS FOR SURFACE INSTALLED PIPELINES

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 <u>et seq</u>. (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, <u>et seq</u>. or the Resource Conservation and Recovery Act, 42 U.S.C. 6901, <u>et seq</u>.) on the Right-of-Way (unless the release or threatened release is wholly unrelated to activity of 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. The holder shall be liable for damage or injury to the United States to the extent provided by 43 CFR Sec. 2883.1-4. The holder shall be held to a standard of strict liability for damage or injury to the United States resulting from pipe rupture, fire, or spills caused or substantially aggravated by any of the following within the right-of-way or permit area:

a. Activities of the holder including, but not limited to construction, operation, maintenance, and termination of the facility.

Activities of other parties including, but not limited to:

(1) Land clearing.

(2) Earth-disturbing and earth-moving work.

(3) Blasting.

(4) Vandalism and sabotage.

Acts of God.

The maximum limitation for such strict liability damages shall not exceed one million dollars (\$1,000,000) for any one event, and any liability in excess of such amount shall be determined by the ordinary rules of negligence of the jurisdiction in which the damage or injury occurred.

This section shall not impose strict liability for damage or injury resulting primarily from an act of war or from the negligent acts or omissions of the United States.

5. If, during any phase of the construction, operation, maintenance, or termination of the pipeline, any oil, salt water, or other pollutant should be discharged from the pipeline system, impacting Federal lands, the control and total removal, disposal, and cleaning up of such oil, salt water, or other pollutant, wherever found, shall be the responsibility of the holder, regardless of fault. Upon failure of the holder to control, dispose of, or clean up such discharge on or affecting Federal lands, or to repair all damages resulting therefrom, on the Federal lands, the Authorized Officer may take such measures as he deems necessary to control and clean up the discharge and restore the area, including, where appropriate, the aquatic environment and fish and wildlife habitats, at the full expense of the holder. Such action by the Authorized Officer shall not relieve the holder

of any responsibility as provided herein.

6. All construction and maintenance activity will be confined to the authorized right-ofway width of <u>25</u>_____ feet.

7. No blading or clearing of any vegetation will be allowed unless approved in writing by the Authorized Officer.

8. The holder shall install the pipeline on the surface in such a manner that will minimize suspension of the pipeline across low areas in the terrain. In hummocky of duney areas, the pipeline will be "snaked" around hummocks and dunes rather then suspended across these features.

9. The pipeline shall be buried with a minimum of <u>24</u> inches under all roads, "two-tracks," and trails. Burial of the pipe will continue for 20 feet on each side of each crossing. The condition of the road, upon completion of construction, shall be returned to at least its former state with no bumps or dips remaining in the road surface.

10. 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 of the fence. No permanent gates will be allowed unless approved by the Authorized Officer.

11. In those areas where erosion control structures are required to stabilize soil conditions, the holder will install such structures as are suitable for the specific soil conditions being encountered and which are in accordance with sound resource management practices.

12. Excluding the pipe, all above-ground structures not subject to safety requirement shall be painted by the holder to blend with the natural color of the landscape. The paint used shall be a color which simulates "Standard Environmental Colors" – **Shale Green**, Munsell Soil Color No. 5Y 4/2; designated by the Rocky Mountain Five State Interagency Committee.

13. The pipeline will be identified by signs at the point of origin and completion of the right-of-way and at all road crossings. At a minimum, signs will state the holder's name, BLM serial number, and the product being transported. Signs will be maintained in a legible condition for the life of the pipeline.

14. The holder shall not use the pipeline route as a road for purposes other than routine maintenance as determined necessary by the Authorized Officer in consultation with the holder. The holder will take whatever steps are necessary to ensure that the pipeline route is not used as a roadway.

15. 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 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.

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 <u>et seq</u>. (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, <u>et seq</u>. or the Resource Conservation and Recovery Act, 42 U.S.C. 6901, <u>et seq</u>.) 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.

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11. Special Stipulations:

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

INTERIM RECLAMATION & RESEEDING PROCEDURE

INTERIM RECLAMATION

IX.

If the well is a producer, interim reclamation shall be conducted on the well site in accordance with the orders of the Authorized Officer. The operator shall submit a Sundry Notices and Reports on Wells (Notice of Intent), Form 3160-5, prior to conducting 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.

The operators should work with BLM surface management specialists to devise the best strategies to reduce the size of the location. Any reductions 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 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.

RESEEDING PROCEDURE

Once the well is drilled, all completion procedures accomplished, and all trash removed, reseed the location and all surrounding disturbed areas as follows:

Seed Mixture for LPC Sand/Shinnery 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:

Species	<u>lb/acre</u>	· · ·
Plains Bristleg Sand Bluesten Little Bluester Big Bluestem Plains Coreop Sand Dropsee	n n sis	5lbs/A 5lbs/A 3lbs/A 6lbs/A 2lbs/A 1lbs/A

**Four-winged Saltbush

5lbs/A

* This can be used around well pads and other areas where caliche cannot be removed.

*Pounds of pure live seed:

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

X. FINAL ABANDONMENT & REHABILITATION REQUIREMENTS

Upon abandonment of the well and/or when the access road is no longer in service the Authorized Officer shall issue instructions and/or orders for surface reclamation and restoration of all disturbed areas.

Ground-level Abandoned Well Marker to avoid raptor perching: Upon the plugging and subsequent abandonment of the well, the well marker will be installed at ground level on a plate containing the pertinent information for the plugged well.

On private surface/federal mineral estate land the reclamation procedures on the road and well pad shall be accomplished in accordance with the private surface land owner agreement.

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