		and and the second s			- can be caused and an an advance of the	nganan dagat tananga canan ing
		OCD Hab	bs		V	
Form 3160-3					FORM APPROVED	
(March 2012)		HODDC	ocn		OMB No. 1004-0137	
		HOBBS	COR		Expires October 31, 201	4
UNITED STA		0 7	0040	5. Lease Se		
DEPARTMENT OF TH		DLC	2010		NMNM120908	
BUREAU OF LAND MA				6. If Indian	, Allotee or Tribe Name	
APPLICATION FOR PERMIT TO		REENTERFCE	IVED	_		
1a. Type of Work:  C DRILL	R			7. If Unit o	r CA Agreement, Name a	ind No.
				8 Lease N	lame and Well No. 9	0143
1b. Type of Well: 🗸 Oil Well 🗍 Gas Well 🗍 Other	ſ	✓ Single Zone	Multiple Zone		Windward Federal #7	н
2. Name of Operator		terror terror		9. API Wel	I No.	
COG Production LI	LC. (212	7955		30-0	25- 43516	
3a. Address 3b. Pho	one No (include	e area eode)		10. Field an	nd Pool, or Exploratory	77899)
2208 West Main Street		75 740 6040		WC-0	25 G-06 S253206M; Bon	e Spring
Artesia, NM 88210  4. Location of Well (Report location clearly and in accordance with any Stat		*1		11 Sec. T	R.M. or Blk and Survey or	Area
4. Elocation of Wein Neport location clearly and in accordance with any stat At surface 210' FNL & 1850' FWL Unit Le				11. 500., 1.	K.IVI. OF DIK and Survey of	Aled
At proposed prod. Zone 50' FSL & 1710' FWL Unit Lett					Sec. 30 - T24S - R32E	
14. Distance in miles and direction from nearest town or post office*		TIL SEC. 31 - 1245 - KSZL		12. County		e
Approximately 20 miles East					County NM	
15. Distance from proposed*	in on in this day	16. No. of acres in lease	17.5		icated to this well	
location to nearest 50'						
property or lease line, ft.		1891.72			320	
(Also to nearest drig. Unit line, if any) 18. Distance from location* SHL: 50' (Prop. Windwa	rd #8H) BHI	19. Proposed Depth	20 F	BLM/BIA Bond N	o on file	
to nearest well, drilling, completed, 4953'	ru nong one.	,	20.0			
applied for, on this lease, ft.		TVD: 9,190' MD: 19,2	246'	NMB	000845 & NMB000860	
21. Elevations (Show whether DF, KDB, RT, GL, etc.)		22. Approximate date wor	te date work will start* 23. Estimated duration			
3542.8' GL		8/1	./2016		30 days	
	24. A	Attachments				
The following, completed in accordance with the requirements of Ons	hore Oil and G	as Order No. 1, shall be atta	ached to this	form:		
1. Well plat certified by a registered surveyor.		4. Bond to cover the o	perations unl	ess covered by a	an existing bond on file (s	ee
2. A Drilling Plan		Item 20 above).				
3. A Surface Use Plan (if the location is on National Forest System La	ands, the	5. Operator certification				
SUPO shall be filed with the appropriate Forest Service Office).			cific information	on and/or plans	as may be required by th	le
25 Signature	Name (Printed	authorized officer.			Date	
25. Signature	Name (Printed				5-5-16	
- 10 late alan		Mayte Reye	es		5-5-14	/
Title 0						
Regulatory Analyst		1.000 13				
Approved by (Signature) /s/Cody Layton	Name (Printed	(Typed)	1	_	Date July	
151 Couj 200 ton	Coc	Mr. Cal	tor	]	12/10/10	
Title	Office				' '	
ACFTM-Lanck TMingrals	('F	-0				
Application approval does not warrant or certify that the applicant hol	ds legan or equ	uitable title to those rights	in the subject	lease which wo	uld entitle the applicant	to
conduct operations theron.		1.01		FOR TWO	O YFARS	
Conditions of approval, if any, are attached.		AP	PHUVAL	FOR TW	012/110	
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a States any false, fictitious or fraudulent statements or representations			fully to make t	to any departme	nt or agency of the Unite	2d
	us to any mat		roval Subie	ect to General	Requirements	s on page 21
(Continued on page 2)	7	2 127/16	& Special	Stipulations	Requirements Attached	is on hage 2)
Carlsbad Controlled Water Basin	CEE A	101				
Callsbau Cultioned Water Dash	SEE A	TTACHED FO		V	<b>Vitness Surface</b>	& 1/1
	COND	ITIONS OF A	PPRO	VAL In	termediate Cas	ing Kit

#### 1. Geologic Formations

TVD of target	9,190' (EOC)	Pilot hole depth	No
MD at TD:	19,246'	Deepest expected fresh water:	550

Basin

Formation	Depth (TVD) from KB		
Rustler	784	Water	
Top of Salt	1108	Salt	
Base of Salt - Fletcher	4346	Salt	
Delaware - Lamar	4570	Salt Water	
Bell Canyon	4595	Salt Water	Seepage/Loss Cir
Cherry Canyon	5512	Oil/Gas	Seepage/Loss Cir
Brushy Canyon	6905	Oil/Gas	Seepage/Loss Cir
Bone Spring Lime	8524	Barren	
Upper Avalon Shale	8566	Oil/Gas	
Lower Avalon Shale	9025	Oil/Gas – Target Zone	
1st Bone Spring Sand	9601	Not Penetrated	

#### 2. Casing Program

Hole	Casin	g Interval	Csg.	Weight	Grade	Conn.	SF	SF	SF
Size	From	То	Size	(lbs)			Collapse	Burst	Tension
17.5"	0	800	13.375"	54.5	J55	STC	1.835	1.268	11.789
12.25"	0	4550	9.625"	40	J55	LTC	1.065	1.15	2.857
8.75"	0	19,246'	5.5"	17	P110	LTC	1.714	3.099	2.845
				BLM Min	imum Safe	ty Factor	1.125	1	1.6 Dry
									1.8 Wet

All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.h Intermediate and Production Burst based on Pore Pressure (9.1 ppge) at Lateral TVD minus Gas Gradient (0.1 psi/ft).

Intermediate casing will always be kept 1/3 full while running as additional collapse protection.

	Y or N				
Is casing new? If used, attach certification as required in Onshore Order #1	Y				
Does casing meet API specifications? If no, attach casing specification sheet.	Y				
Is premium or uncommon casing planned? If yes attach casing specification sheet.	N				
Does the above casing design meet or exceed BLM's minimum standards? If not provide					
justification (loading assumptions, casing design criteria).					
Will the intermediate pipe be kept at a minimum 1/3 fluid filled to avoid approaching	Y				
the collapse pressure rating of the casing?					
Is well located within Capitan Reef?	N				
If yes, does production casing cement tie back a minimum of 50' above the Reef?					
Is well within the designated 4 string boundary.					

Is well located in SOPA but not in R-111-P?	N
If yes, are the first 2 strings cemented to surface and 3 <sup>rd</sup> string cement tied back	
500' into previous casing?	
1	
Is well located in R-111-P and SOPA?	N
If yes, are the first three strings cemented to surface?	
Is 2 <sup>nd</sup> string set 100' to 600' below the base of salt?	
Is well located in high Cave/Karst?	N
If yes, are there two strings cemented to surface?	
(For 2 string wells) If yes, is there a contingency casing if lost circulation occurs?	
	and the second second
Is well located in critical Cave/Karst?	N
If yes, are there three strings cemented to surface?	

# 3. Cementing Program

1

Casing	# Sks	Wt. lb/ gal	Yld ft3/ sack	H <sub>2</sub> 0 gal/sk	500# Comp. Strength (hours)	Slurry Description	
Surf.	400	13.5	1.75	9.2	12	Lead: Class C + 4% Gel + 2% CaCl2	
	250	14.8	1.34	6.34	8	Tail: Class C + 2% CaCl2	
Intermediate	1225	12.8	1.9	10	18	Lead: Class C + 4% Gel + 2% CaCl2	
	250	14.8	1.34	6.34	8	Tail: Class C + 2% CaCl	
Production	500	10.3	3.62	21.9	72	Lead: Halliburton Tune Lite + adds	
	2475	14.4	1.24	5.6	8	Tail: Versacem H + 2% Gel + 1% Salt	

Volumes Subject to Observed Hole Conditions and/or Fluid Caliper Results

Lab reports with the 500 psi compressive strength time for the cement will be onsite for review. Casing String	TOC	% Excess
Surface	0'	85%
1 <sup>st</sup> Intermediate	0'	100%
Production	4050' (500'	Lead: 45% OH in KOP to ICP. 0% in 5.5" x
	Tie-in to Int	9.625" Intermediate Casing x Casing Annulus
	Casing)	Tail: 15% OH from KOP to EOL

#### 4. Pressure Control Equipment

N A variance is requested for the use of a diverter on the surface casing. See attached for schematic.

BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Туре		1	Tested to:						
			Ann	ular	X	2000 psi						
			Blind Ram									
12-1/4"	13-5/8"	2M	2M Pipe Ram			2M						
				Double Ram			2101					
			Other*									
			Ann	ular	X	50% testing pressure						
			Blind	Ram	X							
8-3/4"	13-5/8"	13-5/8" 3M		13-5/8" 3M		13-5/8" 3M		Pipe Ram		Pipe Ram		3M
				Double Ram		Double Ram		5171				
			Other*									

BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per Onshore Order 2 requirements. The System may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all the components installed will be functional and tested.

Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. Other accessories to the BOP equipment will include a Kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold. See attached schematics.

X	Formation integrity test will be performed per Onshore Order #2.						
	On Exploratory wells or on that portion of any well approved for a 5M BOPE system or						
	greater, a pressure integrity test of each casing shoe shall be performed. Will be tested in						
	accordance with Onshore Oil and Gas Order #2 III.B.1.i.						
	A variance is requested for the use of a flexible choke line from the BOP to Choke						
Y	Manifold. See attached for specs and hydrostatic test chart.						
	N Are anchors required by manufacturer?						
Ν	A multibowl wellhead is being used. The BOP will be tested per Onshore Order #2 after						
	installation on the surface casing which will cover testing requirements for a maximum of						
	30 days. If any seal subject to test pressure is broken the system must be tested.						

#### 5. Mud Program

From	Depth To	Туре	Weight (ppg)	Viscosity	Water Loss
0	Surf. Shoe (800')	FW Gel	8.6-8.8	28-34	N/C
Surf csg	9-5/8" Int shoe	Saturated	10.0-10.2	28-34	N/C
(800')	(4550')	Brine			
9-5/8" Int	19,246' MD Lateral	Cut Brine	8.6 - 9.4	28-34	N/C
Shoe (4550')	TD (19,246)				

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

What will be used to monitor the loss or gain	PVT/Pason/Visual Monitoring
of fluid?	

#### 6. Logging and Testing Procedures

Logg	ing, Coring and Testing.
Y	Will run GR/CNL from TD to surface (horizontal well – vertical portion of hole). Stated
	logs run will be in the Completion Report and submitted to the BLM.
N	No Logs are planned based on well control or offset log information.
N	Drill stem test? If yes, explain
N	Coring? If yes, explain

Additional logs planned		Interval
N	Resistivity	Pilot Hole TD to ICP
Ν	Density	Pilot Hole TD to ICP
Y	CBL	Production casing (If cement not circulated to surface)
Y	Mud log	Intermediate shoe to TD
Ν	PEX	

#### 7. Drilling Conditions

Condition	Specify what type and where?
BH Pressure at deepest TVD	4352 psi at 9190' TVD (EOC)
Abnormal Temperature	NO (149 deg F.)

No abnormal pressure or temperature conditions are anticipated. Sufficient mud materials to maintain mud properties and weight increase requirements will be kept on location at all times.

Sufficient supplies of Paper/LCM for periodic sweeps to control seepage and losses will be maintained on location.

Hydrogen Sulfide (H2S) monitors will be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the operator will comply with the provisions of Onshore Oil and Gas Order #6. If Hydrogen Sulfide is encountered, measured values and formations will be provided to the BLM.

Ν	H2S is present
Y	H2S Plan attached

#### 8. Other facets of operation

#### **Directional Drilling and Anticollision Considerations**

The directional plan and anti-collision plan(s) for this well is attached.

This will be a walking operation to drill the proposed Windward Federal **7H** and the future Windward Federal **8H** (to be proposed). The future Windward Federal **8H** surface location is 50' East of the proposed Windward Federal **7H**. Additionally, the Windward Federal 2H (existing) lies 100' West of the proposed Windward Federal **7H** and the King Tut Federal 2H (existing) lies 200' West of the proposed Windward Federal **7H**. The anticollision assessment reports for these wells (future Windward Federal **8H**, existing Windward 2H, existing King Tut Federal 2H) are included in the directional plan.

In the proximity of the lateral path of the proposed Windward Federal **7H** is the Turquoise Federal 30 SWD #1. This well was drilled to 8754' TVD is approximately 1720' South of the proposed Windward Federal **7H**. This well poses no reasonable anticollision issues in the vertical nor lateral section of the Windward Federal **7H**.

Is this a walking operation? YES – Described in Directional Drilling and Anticollision Considerations above.

Will be pre-setting casing? NO If yes, describe.

Attachments

- Directional Plan + AC Report
- BOP & Choke Schematics
- C102 and supporting maps
- Rig plat
- H2S schematic
- H2S contingency plan
- Interim reclamation plat
- Pressure Chart and Certs for Flex Hose Variance

and the second			WIND	WARD FEDERAL #7H		Section and the	a to a call a second		
ID Shape *	OPERATOR	WELL_NAME	LATITUDE	LONGITUDE API	SECTION TOWNSH	IP RANGE	FTG_NS NS_CD	FTG_EW EW_CC	TVD_DEPTH_COMPL_STAT
0 Point	MARBOB ENERGY CORP	BET-NET FEDERAL 001	32.193745	-103.733627 300152700	5 25 24.05	31E	660 N	1980 W	0 Plugged
1 Point	YATES PETROLEUM CORPORATION	HARACZ AMO FEDERAL 006	32.20464	-103.72942 300152797	2 24 24.05	31E	1980 N	1980 E	8540 Plugged
2 Point	LEGACY RESERVES OPERATING, LP	BTBN 25 FEDERAL 002	32.189235	-103.724073 300152955	1 25 24.05	31E	2300 N	330 E	10000 Active
3 Point	DEVON ENERGY PRODUCTION COMPANY, LP	COTTON DRAW 111	32.179221	-103.733636 300153619	7 36 24.05	31E	660 N	1980 W	9740 Active
4 Point	DEVON ENERGY PRODUCTION COMPANY, LP	COTTON DRAW UNIT 116H	32.167397	-103.724254 300153792	5 36 24.0S	31E	330 S	430 E	8284 New (Not drilled or compl)
5 Point	DEVON ENERGY PRODUCTION COMPANY, LP	COTTON DRAW UNIT 165H	32.180915	-103.728682 300154082	4 36 24.05	31E	25 N	1780 E	0 New (Not drilled or compl)
6 Point	DEVON ENERGY PRODUCTION COMPANY, LP	COTTON DRAW UNIT 166H	32.181053	-103.728683 300154122	25 24.05	31E	25 S	1780 E	0 New (Not drilled or compl)
7 Point	DEVON ENERGY PRODUCTION COMPANY, LP	COTTON DRAW UNIT 167H	32.18732	-103.73287 300154138	5 25 24.05	31E	2310 S	2200 W	8218 New (Not drilled or compl)
8 Point	DEVON ENERGY PRODUCTION COMPANY, LP	COTTON DRAW UNIT SWD 181	32.17668	-103.726749 300154164	36 24.05	31E	1568 N	1189 E	18226 New (Not drilled or compl)
9 Point	DEVON ENERGY PRODUCTION COMPANY, LP	COTTON DRAW UNIT 210H	32.167066	-103.727078 300154186	B 36 24.0S	31E	200 S	1300 E	0 New (Not drilled or compl)
10 Point	DEVON ENERGY PRODUCTION COMPANY, LP	COTTON DRAW UNIT 209H	32.167067	-103.727241 300154189	3 36 24.05	31E	200 S	1350 E	0 New (Not drilled or compl)
11 Point	DEVON ENERGY PRODUCTION COMPANY, LP	COTTON DRAW UNIT 099	32.180071	-103.7304 300154277	36 24.05	31E	330 N	2310 E	0 New (Not drilled or compl)
12 Point	DEVON ENERGY PRODUCTION COMPANY, LP	COTTON DRAW UNIT 182H	32.187688	-103.729516 300154284	9 25 24.05	31E	2440 S	2030 E	0 New (Not drilled or compl)
13 Point	DEVON ENERGY PRODUCTION COMPANY, LP	COTTON DRAW UNIT 208H	32.187675	-103.733583 300154287	5 25 24.05	31E	2440 S	1980 W	0 New (Not drilled or compl)
14 Point	DEVON ENERGY PRODUCTION COMPANY, LP	COTTON DRAW UNIT 292H	32.180443	-103.725952 300154326	1 36 24.0S	31E	200 N	940 E	0 New (Not drilled or compl)
15 Point	DEVON ENERGY PRODUCTION COMPANY, LP	COTTON DRAW UNIT 290H	32.180444	-103.72579 300154326	5 36 24.0S	31E	200 N	890 E	0 New (Not drilled or compl)
16 Point	STANOLIND OIL & GAS CO	PAYNE 001	32.190181	-103.703114 300251271	5 29 24.05	32E	1980 N	660 W	4811 Plugged
17 Point	FORTE ENERGY CORP	PADUCA FEDERAL 001	32.190153	-103.711689 300252623	4 30 24.05	32E	1980 N	1980 E	15531 Plugged
18 Point	YATES PETROLEUM CORPORATION	HARACZ AMO FEDERAL 007	32.205569	-103.715482 300253334	5 19 24.05	32E	1650 N	2310 W	9900 Active
19 Point	COG PRODUCTION, LLC	TURQUOISE 30 FEDERAL SWD 001	32.190274	-103.716568 300253345	30 24.05	32E	1930 N	1980 W	8754 Plugged
20 Point	DEVON ENERGY PRODUCTION COMPANY, LP	TRIONYX 6 FEDERAL 001H	32.152517	-103.719955 300253994		32E	200 S	940 W	9148 New (Not drilled or compl)
21 Point	DEVON ENERGY PRODUCTION COMPANY, LP	TRIONYX 6 FEDERAL 002H	32.152517	-103.719793 300253994		32E	200 S	990 W	8821 New (Not drilled or compl)
22 Point	DEVON ENERGY PRODUCTION COMPANY, LP	TRIONYX 6 FEDERAL 003	32.152518	-103.719631 300253998		32E	200 S	1040 W	80 Plugged
23 Point	DEVON ENERGY PRODUCTION COMPANY, LP	TRIONYX 6 FEDERAL 004H	32.15253	-103.715312 300254004		32E	200 S	2370 W	8201 New (Not drilled or compl)
24 Point	DEVON ENERGY PRODUCTION COMPANY, LP	TRIONYX 6 FEDERAL 003Y	32.152518	-103.719712 300254010		32E	200 S	1015 W	9196 New (Not drilled or compl)
25 Point	COG PRODUCTION, LLC	REDHEAD 31 FEDERAL 001H	32.180106	-103.719683 300254039		32E	330 N	990 W	10467 New (Not drilled or compl)
26 Point	YATES PETROLEUM CORPORATION	CALCUTTA BRZ STATE 001H	32.180179	-103.703088 300254045		32E	330 N	660 W	60 Plugged
27 Point	DEVON ENERGY PRODUCTION COMPANY, LP	COTTON DRAW 32 STATE FEDERAL COM 004H	32,172894	-103.700859 300254117		32E	2310 S	1330 W	8289 New (Not drilled or compl)
28 Point	COG PRODUCTION, LLC	WINDWARD FEDERAL 002H	32.195078	-103.717262 300254140		32E	190 N	1750 W	0 New (Not drilled or compl)
29 Point	COG PRODUCTION, LLC	WINDWARD FEDERAL 004H	32.19511	-103.706489 300254141		32E	190 N	430 E	10516 New (Not drilled or compl)
30 Point	COG PRODUCTION, LLC	WINDWARD FEDERAL 003H	32.195094	-103.711914 300254141		32E	190 N	2100 E	10579 New (Not drilled or compl)
31 Point	COG PRODUCTION, LLC	WINDWARD FEDERAL 001H	32.195065	-103.721549 300254141		32E	190 N	430 W	10507 New (Not drilled or compl)
32 Point	COG PRODUCTION, LLC	AZORES FEDERAL 004H	32.181609	-103.703089 300254153		32E	190 S	660 W	10552 New (Not drilled or compl)
33 Point	COG PRODUCTION, LLC	KING TUT FEDERAL 001H	32.195064	-103.721874 300254154		32E	190 N	330 W	8383 New (Not drilled or compl)
34 Point	COG PRODUCTION, LLC	KING TUT FEDERAL 002H	32.195077	-103.717587 300254155		32E	190 N	1650 W	8415 New (Not drilled or compl)
35 Point	COG PRODUCTION, LLC	KING TUT FEDERAL 003H	32.195093	-103.712239 300254155		32E	190 N	2200 E	0 New (Not drilled or compl)
36 Point	COG PRODUCTION, LLC	KING TUT FEDERAL 004H	32.195095	-103.706164 300254156		32E	190 N	330 E	8475 New (Not drilled or compl)
37 Point	COG PRODUCTION, LLC	CORVO FEDERAL 004H	32.195111	-103.703414 300254191		32E	190 N	560 W	8439 New (Not drilled or compl)
38 Point	DEVON ENERGY PRODUCTION COMPANY, LP	CHINCOTEAGUE 32 STATE COM 001H	32.181605	-103.702439 300254221		32E	200 S	830 W	0 New (Not drilled or compl)
39 Point	DEVON ENERGY PRODUCTION COMPANY, LP	CHINCOTEAGUE 32 STATE COM 001H	32.167089	-103.702277 300254221		32E	200 S	880 W	0 New (Not drilled or compl) 0 New (Not drilled or compl)
40 Point	DEVON ENERGY PRODUCTION COMPANY, LP			-103.702277 300254226		32E 32E	200 S	1300 W	10441 New (Not drilled or compl)
40 Point 41 Point		TRIONYX 6 FEDERAL 009H	32.15252			32E 32E	200 S	1300 W	and the state of the state of the state of the
AT POINT	DEVON ENERGY PRODUCTION COMPANY, LP	TRIONYX 6 FEDERAL 010H	32.152521	-103.718624 300254247	6 6 25.05	32E	200 5	1350 W	10467 New (Not drilled or compl)





### Internal Hydrostatic Test Certificate

Gustamer	Hobbs	Hose Assembly Type	Rotary/Vibrator
MWH Soles Representative	Ryan Rynolds	Certification	API 7K/FSL Level 2
Dine Assembled	11/19/2015	Hose Grode	D
Locotion Assembled	ORC	Hose Working Pressure	5000
Sales Order #	271739	Hose Lot # ond Date Code	11834 11/14
Customer Aurchase Order #	302337	flase I.D. undies	8.59 14
Assembly Serial # pod Take of	326000	Hose O.D. Unches	4.89"
ise Assembly Length	25	Armor ber/sol	No

	End A		End B		
	Contraction of the			to stratus	
	C.C.T. C.C. C.C. C.C.			A941773	
i.	vriule (recent Revision #)	Res 5	Ferrule (Part and Revision #)	RF3.5	
Fé	mule pince of	11628	Fernife (test#)	J1628	
100		1.1.1210-5079日本	Comention mater		
(Frit	The second second				
Nu	t Port of	NA	Mit Pprint	N/A	
Npt	(Heart A)	N/A	Nut theat #)	N/A	
Dies	Used	5.49"	Dies Used	5,49*	

Test Pressure (as)	10,000	Hose astembly was tested with ambient water
Test Pressure Hold Time (minutes)	111/2	temperature.

Date Tested



Approved By



Clastomer: Hobbs Customer P.O.# 202537 Soles Order # 271759 Date Assembled: 11/15/2015

 Hose Assembly Type:
 Notery/Vibrator

 Assembly Serial #
 326000
 Hose Lot # and Date Code
 11834.11/14

 Hase Working Pressure (psi)
 5000
 Test Pressure (psi)
 10000

We hereby certify that the bbove material supplied for the referenced purchase order to be true according to the requirements of the purchase order and current industry standards.

Supplier Midwest Hose & Specialty, Inc. 3312:51-35 Service Rd Oklahoma City, OK 73129 Comments:

Approved By Kim Alimat

Date

11/19/2015



Mas Midwest Hose & Specialty, Inc.

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	Charles and the second s	y & Test Report	
General Inform	design of the other party of the local division of the other party of the local division	HoselSpecifi	Contraction of the local division of the loc
Customer	Hobbs	Hose Assembly Type	chowe + kill
Date Assembled	6-26-14	Certification	API7K "
Location Assembled	·Diec	Hose Grade	D. 37
Sales Order #	216297	Hose Working Pressure	. 5,000
Customer Purchase Order #	237 512	Hose Lot #	8309
Hose Assembly Serial #	260212	Hose Date Code	04/12
Pick Ticket Line Item	. 0010	Hose I.D. (Inches)	J. 5 indhes
Hose Assembly Length (Feet and Inches)	50 feet	Hose O.D. (Inches)	5.49
Contact Information Phone #		Armor (yes/no)	Yes
	Fit	tings	A CONTRACTOR OF
End A		End B	
Stem (Part and Revision #)	R3.5XL4WD	Stem (Part and Revision #)	R3.5x644B
Stem (Heat #)	13/14050225	Stem (Heat #)	131140502-25
Stem (Rockwell Hardness HRB N)		Stem (Rockwell Hordness HRB #)	-
Ferrule (Port and Revision #)	RF 3, 5	Ferrule (Port and Revision #)	RF3.5
Ferrule (Heat #)	126151	Ferrule (Heat II)	372114
Ferrule (Rockwell Hordness HRB #)	-	Ferrule (Rockwell Hardness HRB #)	
Connection (Part #)	41/16 5K	Connection (Part #)	41/16 5K
Connection (Heat #)	UJJLD	Connection (Heat 4)	V3360
Connection (Brinell Hardness HB #)	-	Connection (Brinell Hardness HB #)	
Stress Relief #	17614	Stress Relief #	17614
Nelding #	MAR	Welding #	MKR
(-ray #	-	X-ray #	ليحدى
	Assembly I	nformation	
End A		End B	
kive O.D. (Inches)	5.04	Skive O.D. (Inches)	14.92
wager Dies (1st pass)	5.62	Swager Dies (1st pass)	5.53
wager Dies (2nd pass)	-	Swager Dies (2nd pass)	-
inal Swage O.D. (Inches)	5.1.4	Final Swage O.D. (Inches)	9.48
Compression % (See Crimp Calculator)	Atho 1	Compression % (See Crimp Calculator)	2210
waged By	Charles	14th	•
	Hydrostatic Tes	t Requirements	R. Salara
est Pressure (psi)	10.000/	Hold Time (minutes)	1314
ested By Charles	illeh	Date Tested	6-26-14
	Hose Assembly has been sat	isfactorily tested in accordance with MHSI	
	Final Ver	and the second	
uc qu	No No	Hammer Unions	Yes 😡
Det- 2	No No	Safety Clamps	Yes MD
L Third Party Witness	Customer or Third Par	and the second design of the	

MHSI-004 Rev. 3.0 Proprietary

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#### DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT CASE RECORDATION (MASS) Serial Register Page

Run Time: 09:12 AM

Page 1 of 1

Run Date: 05/02/2016

01 12-22-1987;101STAT1330;30USC181 ET SE Case Type 312021: O&G LSE COMP PD -1987 Commodity 459: OIL & GAS Case Disposition: AUTHORIZED

#### **Total Acres** Serial Number 1,891.720

NMNM--- 120908

Serial N	lumber: NMNI	VI 120908	

Name & Address		Int Rel	% Interest	
COG PRODUCTION LLC	600 W ILLINOIS AVE, ONE CONCHO CEI MIDLAND TX 79701	LESSEE	100.00000000	

			Serial Number	er: NMNM 12	0908
Mer Twp Rng Sec	STyp	SNr Suff Subdivision	District/Field Office	County	Mgmt Agency
23 02405 0320E 029	ALIQ	NE,W2,W2SE;	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23 02405 0320E 030	ALIQ	E2,E2W2;	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23 02405 0320E 030	LOTS	1-4;	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23 02405 0320E 031	ALIQ	E2,E2W2;	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23 02405 0320E 031	LOTS	1-4;	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23 02405 0320E 031	LOTS	1-4;	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT

**Action Remark Pending Office** Act Date Code Action 05/30/2008 200807026; 387 CASE ESTABLISHED 06/30/2008 299 PROTEST FILED SUSAN H BELL: PROTEST FILED WESTERN ENVR LAW CTR; 07/01/2008 299 07/01/2008 299 PROTEST FILED WILD EARTH GUARDIANS; 07/16/2008 191 SALE HELD 07/16/2008 267 BID RECEIVED \$3027200.00; SUSAN H BELL; 09/08/2008 298 PROTEST DISMISSED WILD EARTH GUARDIANS; 10/24/2008 298 · PROTEST DISMISSED 10/31/2008 237 LEASE ISSUED 10/31/2008 298 PROTEST DISMISSED WESTERN ENVR LAW CTR; 10/31/2008 974 AUTOMATED RECORD VERIF BTM 11/01/2008 • 496 FUND CODE 05;145003 11/01/2008 530 RLTY RATE - 12 1/2% 11/01/2008 868 EFFECTIVE DATE TRF OF ORR FILED 09/19/2011 899 1 11/18/2011 NAME CHANGE RECOGNIZED OGX RES LLC/COG PROD 940 PRODUCTION DETERMINATION 04/04/2013 643 111 04/04/2013 650

HELD BY PROD - ACTUAL /1/ MEMO OF 1ST PROD-ACTUAL /1/3H AZORES FED; 658 643 PRODUCTION DETERMINATION 121 658 MEMO OF 1ST PROD-ACTUAL /2/1H;

Serial Number: NMNM-- - 120908 Line Nr Remarks 02 STIPULATIONS ATTACHED TO LEASE: 03 NM-11-LN SPECIAL CULTURAL RESOURCE 04 SENM-S-15 WILDLIFE HABITAT PROJECTS 05 SENM-S-19 PLAYAS AND ALKALI LAKES SENM-S-22 PRAIRIE CHICKENS

#### CORPORATE ADDRESS

06/14/2013

07/23/2014

07/23/2014

06

#### ARTESIA WEST OFFICE

#### ONE CONCHO CENTINO WARRANTY ISIMADE BY BLIM FOR USE OF THE DATA FOR PURPOSES NOT INTENDED BY BLIM WEXICO 88210 P 432 683 7443 | F 432 683 7441 P 575.748.6940 | F 575.746.2096

Serial Number: NMNM-- - 120908

Surface Use Plan COG Production LLC Windward Federal #7H SHL: 210' FNL & 1850' FWL UL C Section 30, T24S, R32E BHL: 50' FSL & 1710' FWL UL N Section 31, T24S, R32E Lea County, New Mexico

#### **OPERATOR CERTIFICATION**

I hereby certify that I, or persons under my direct supervision, have inspected the drill site and access road 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 COG Production LLC, 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 <u>Stab</u> day of <u>\_\_\_\_\_</u>, 2016.

Signed:

Printed Name: Melanie J. Wilson Position: Regulatory Coordinator Address: 2208 W. Main Street, Artesia, NM 88210 Telephone: (575) 748-6940 Field Representative (if not above signatory): Rand French E-mail: mwilson@concho.com

Page 8



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

	closed)		(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) (NAD83 UTM in meters) (In fee							(In feet)	)		
POD Number	POD Sub- Code basin	County	20.05	Q 16		Sec	Tws	Rng	x	Y	and the second second	Depth Water (	Water Column
C 01932	С	ED		3	1	12	24S	32E	628633	3567188* 🌑	492		
C 02350		ED		4	3	10	24S	32E	625826	3566333* 🌍	60		
C 03527 POD1	С	LE	1	2	3	03	24S	32E	625770	3568487 🍥	500		
C 03528 POD1	С	LE	1	1	2	15	24S	32E	626040	3566129 🌑	541		
C 03530 POD1	С	LE	3	4	3	07	24S	32E	620886	3566156 🌑	550		
C 03555 POD1	С	LE	2	2	1	05	24S	32E	622709	3569231 🌍	600	380	220
									Average Depth to Water:				eet
			Minimum Depth:						380 feet				
										Maximum	380 fe	et	

Record Count: 6

PLSS Search:

Township: 24S Range: 32E

\*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.



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

No records found.

PLSS Search:

Section(s): 31

Township: 24S Range: 32E

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

No records found.

PLSS Search:

Section(s): 30

Township: 24S Rang

Range: 32E

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

WATER COLUMN/ AVERAGE DEPTH TO WATER