A					
Form 3160-3 (March 2012)	OCD Hobbs		FORM APPROVED OMB No. 1004-0137		
	DEC		Expires October 31, 2014		
UNITED STATES	- 192	5. Lease	Serial No.		
DEPARTMENT OF THE INTERIO	R REO CO16	SHL	BHL: NMNM0077004, NMNM073240		
BUREAU OF LAND MANAGEMEN	NT CEIVE	6. If India	an, Allotee or Tribe Name		
APPLICATION FOR PERMIT TO DRILL C	DR REENTER				
1a. Type of Work: DRILL REENTER		7. If Unit	or CA Agreement, Name and No.		
1b. Type of Well: J Oil Well Gas Well Other	Single Zone Multiple	Zone G	Name and Well No.		
2. Name of Operator COG Operating LLC.	9137)	9. API W	-025-47503		
3a. Address 3b. Phone No. (inclu	de area code)	10. Field	and Pool, or Exploratory		
Artesia, NM 88210	575-748-6940		GEM; Bone Spring		
4. Location of Well (Report location clearly and in accordance with any State requirement	·s.*)	11. Sec.,	T.R.M. or Blk and Survev or Area		
At surface 636' FSL & 411' FWL (SWSW) Section 19-T	19S-R33E				
At proposed prod. Zone 50' FSL & 330' FWL (SWSW) Section 31-T1	19S-R33E		Section 19 - T19S - R33E		
14. Distance in miles and direction from nearest town or post office*		12. Coun	ty or Parish 13. State		
Approximately 12 miles south of Maljama	ir Iacai c	6	ea County NM		
15. Distance from proposed*	16. No. of acres in lease	17. Spacing Unit de	edicated to this well		
property or lease line, ft. 50'	NMNM0077004: 802.25		324.9		
(Also to nearest drig. Unit line, if any)	NMNM067111: 321.72				
18. Distance from location*	19. Proposed Depth	20. BLM/BIA Bond	M/BIA Bond No. on file		
to nearest well, drilling, completed, SHL: 615' BHL: 2312'	MD TVA				
applied for, on this lease, ft.	100: 20,837 MD: 10,000	NN	1B000740 &NMB000215		
	22. Approximate date work will st	art	23. Estimated duration		
3599.6' GL	10/1/2016		30 days		
24.	. Attachments				
The following, completed in accordance with the requirements of Onshore Oil and	Gas Order No. 1, shall be attached to	o this form:			
1. Well plat certified by a registered surveyor.	4. Bond to cover the operation	ns unless covered b	y an existing bond on file (see		
2. A Drilling Plan	Item 20 above).				
3. A Surface Use Plan (if the location is on National Forest System Lands, the	5. Operator certification				
SUPO shall be filed with the appropriate Forest Service Office).	6. Such other site specific info	rmation and/or pla	ns as may be required by the		
25. Signature Name (Print	ted/Typed)		Date		
IN AL Kan	cu, , , pcu,		7.13-001		
Title	Mayte Reyes		1-1)-2010		
Regulatory Analyst					
Approved by (Signature) Name (Print	ed/Typed)		Date / /		
14 Bruson 14	Balson		12/12/2016		
Title Office			1 1 10010		
NATING E.S. O. M.O. PA	akhad				
Application approval does not warrant or certify that the applicant holds legan or e	rights in the su	biect lease which y	would entitle the applicant to		
conduct operations theron.		isjeet lease which v	vouid citatic the applicant to		
Conditions of approval, if any, are attached.	yes, is a set	-			
Fitle 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for an	w person knowingly and willfully to n	aske to any departr	nent or agency of the United		
states any false, fictitious or fraudulent statements or representations as to any ma	atter within its jurisdiction.	TOVALFOR	neth by agency of the onited		
Continued on page 2)	. /		*(Instructions on p		
Ka	Lallapponia CII	DIECT TO	(instructions on p		
12	ALL HELLOVAL SU	DIEULIU	0.4110		
SFE ATTACHED FOR	GENERAL REQ	UIREMENT	S AND		
CONDUCIONS OF ADDDOVAL	SPECIAL STIPL	ILATIONS			
CONDITIONS OF AFFROVAL	ATTACHED				
	ATTAURED				

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1. Geologic Formations

TVD of target	10,000' EOL	Pilot hole depth	NA
MD at TD:	20,837'	Deepest expected fresh water:	185

Basin

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Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Quaternary Fill	Surface	Water	
Rustler	1174	Water	
Top of Salt	1374	Salt	
Tansil	2701		
Yates	2926		
Capitan Reef	3336	Water	
Delaware	5179	Oil/Gas	
Bone Spring	7766	Oil/Gas	
1 st Bone Spring	8886	Oil/Gas	
2 nd Bone Spring	9626	Target	
3rd Bone Spring	10,386'	Oil/Gas	Not penetrating

2. Casing Program DSEE COA

Hole	Casing	Interval	Csg.	Weight	Grade	Conn.	SF	SF	SF
Size	From	То	Size	(lbs)			Collapse	Burst	Tension
26"	0	12001300'	20"	94	J55	STC	0.93	1.45	6.94
17.5"	0	2800 3400'	13.375"	61	J55	LTC	1.06	1.48	3.48
12.25"	0	4500 5000	9.625"	40	J55	LTC	1.22	1.1	2.55
12.25"	4500 500	5100	9.625"	40	L80	LTC	1.29	1.57	30.0
8.75"	0	20,837'	5.5"	17	P110	LTC	1.87	2.25	3.21
	BLM N			BLM Min	imum Safet	y Factor	1.125	1	1.6 Dry
									1.8 Wet

SEE COA Surface/Intrmd casing will be kept at least 1/3 full while running casing.to mitigate collapse. Intermediate burst based on 0.8 frac gradient at the shoe with Gas Gradient 0.1 psi/ft to surface. All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.h

	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	Y
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?	
	and the second second
Is well located within Capitan Reef?	Y
If yes, does production casing cement tie back a minimum of 50' above the Reef?	Y

1 Drilling Plan Smith 6.15.2016

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Is well within the designated 4 string boundary.	Y
Is well located in SOPA but not in R-111-P?	N
If yes, are the first 2 strings cemented to surface and 3 rd string cement tied back 500' into previous casing?	
Is well located in R-111-P and SOPA?	N
If yes, are the first three strings cemented to surface?	
Is 2 nd 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?	
Is well located in critical Cave/Karst?	l N
If yes, are there three strings cemented to surface?	

3. Cementing Program

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	Casing	# Sks	Wt. lb/ gal	Yld ft3/ sack	H20 gal/s k	500# Comp. Strength (hours)	Slurry Description
	Surf.	1400	13.5	1.75	9	12	Lead: Class C + 4% Gel + 2% CaCl2
		250	14.8	1.34	6.34	8	Tail: Class C + 2% CaCl2
- and	1 st Int	1400	13.5	1.75	9	12	Lead: Class C + 4% Gel + 2% CaCl2
LOW ECOA	-	250	14.8	1.34	6.34	8	Tail: Class C + 1% CaCl2
-580	2 nd Int	400	12.7	1.98	10.6	16	Lead: Econocem HLC 65:35:6 Blend
	1 st stg	250	14.8	1.34	6.34	8	Tail: Class C + 1% CaCl
1 annan	2 nd Int	450	13.5	1.75	9.	12	Lead: Class C + 4% Gel
LOS COA	2 nd stg	100	14.8	1.34	6.34	8	Tail: Class C + 1% CaCl2
- Strand	5.5 Prod	700	11.9	2.5	19	48	Lead: 50:50:10 H Blend
LOUGEOR	-	2800	14.4	1.24	5.7	19	Tail: Versacem 50:50:2 Class H + 1% Salt
SET	The DV	T/ECP fo	or the 2 nd	interme	diate ca	asing will b	e set @ 3100'.

Volumes subject to change from hole observations and/or fluid calipers.

Lab reports with the 500 psi comp strength time for the cement will be onsite for review.

Casing String	TOC	% Excess
Surface	0'	50%
1 st Intermediate	0'	40%
2 nd Intermediate	0'	40%
Production	4600° 3286'	25% OH in Lateral (KOP to EOL) – 40% OH in Vertical - KOP then Tie In 500' Inside 9-5/8"
2	Lp need s	50' He back above the capitan Reef

-SEE COA

2 Drilling Plan Smith 6.15.2016

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1. Geologic Formations

·	OG Operating I	LLC – Geronimo Federal Com 1	1H	HOBBS OCD	
1. Geologic Formatio	ns			RECEIVED	
TVD of target	10,000' EOL	Pilot hole depth	NA	D	
MD at TD:	20,837'	Deepest expected fresh water:	185		

Basin

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Formation	Depth (TVD)Water/Mineral Bearing/ Target Zone?		Hazards*
Quaternary Fill	Surface	Water	
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Tansil	2701		
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Is casing new? If used, attach certification as required in Onshore Order #1	Y
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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?	Y
If yes, does production casing cement tie back a minimum of 50' above the Reef?	Y

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Is well within the designated 4 string boundary.							
	RECENCEMENT						
Is well located in SOPA but not in R-111-P?	N						
If yes, are the first 2 strings cemented to surface and 3 rd string cement tied back							
500' into previous casing?							
Is well located in R-111-P and SOPA?	N						
If yes, are the first three strings cemented to surface?							
Is 2 nd 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?							
Is well located in critical Cave/Karst?	N						
If yes, are there three strings cemented to surface?							

3. Cementing Program

Casing	# Sks	Wt. lb/ gal	Yld ft3/ sack	H ₂ 0 gal/s k	500# Comp. Strength (hours)	Slurry Description
Surf.	1400	13.5	1.75	9	12	Lead: Class C + 4% Gel + 2% CaCl2
	250	14.8	1.34	6.34	8	Tail: Class C + 2% CaCl2
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2 nd stg	100	14.8	1.34	6.34	8	Tail: Class C + 1% CaCl2
5.5 Prod	700	11.9	2.5	19	48	Lead: 50:50:10 H Blend
	2800	14.4	1.24	5.7	19	Tail: Versacem 50:50:2 Class H + 1% Salt

The DVT/ECP for the 2nd intermediate casing will be set @ 3100'.

Volumes subject to change from hole observations and/or fluid calipers.

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Casing String	TOC	% Excess
Surface	0'	50%
1 st Intermediate	0'	40%
2 nd Intermediate	0'	40%
Production	4600'	25% OH in Lateral (KOP to EOL) – 40% OH in
		Vertical - KOP then Tie In 500' Inside 9-5/8"

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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		~	Tested to:			
17-1/2"	20"	2M	Ann	ular	х	2000 psi			
			Blind	Ram		2M			
			Pipe	Ram	*				
			Double	e Ram					
			Other*	Other*					
			Ann	ular	х	2000 psi			
			Blind Ram						
12-1/4"	13-5/8"	2M	Pipe Ram			214			
			Double Ram			2M			
			Other*						
			Ann	ular	x	50% testing pressure			
			Blind	Ram	X				
8-3/4"	13-5/8"	3M	Pipe Ram		Pipe Ram		X	214	
			Double	e Ram		3M			
			Other*						

4. Pressure Control Equipment

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.								
Y	A variance is requested for the use of a flexible choke line from the BOP to Choke 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.								

COG Operating LLC – Geronimo Federal Com 11H

5. Mud Program

	Depth	Туре	Weight (ppg)	Viscosity	Water
From	То	and the second of	Contraction States	LEAR STATE	Loss
0	Surf. Shoe	FW Gel	8.6-8.8	28-34	N/C
Surf csg	13-3/8" Int shoe	Saturated Brine	10.0-10.2	28-34	N/C
13-3/8"	9-5/8" csg pt	Fresh water	8.4-8.6	28-34	N/C
9-5/8" Int shoe	Lateral TD	Cut Brine	8.6 – 9.4	28-34	N/C

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.
Y	No Logs are planned based on well control or offset log information.
N	Drill stem test? If yes, explain
N	Coring? If yes, explain

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

7. Drilling Conditions

Condition	Specify what type and where?
BH Pressure at deepest TVD	4700 psi at 10,000' TVD
Abnormal Temperature	NO 155 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.

N H2S is present

Y H2S Plan attached

8. Other facets of operation

Is this a walking op? No Will be presetting casing? No

Attachments

- Directional Plan
- Anti-collision Report
- Flex Hose Variance Report
- BOP & Choke Schematics
- C102 and supporting maps
- Rig plat
- H2S schematic
- H2S contingency plan
- Interim reclamation plat

			2012 234			GERONIMO	O FED #11H 1	1 MILE WELLS	NO DE LA COLLEGA				
FID	Shape *	Operator WELL_NAN	LATITUDE	LONGITUDI API	SECTION	TOWNSH	IP RANGE	FTG_NS NS_CD	FTG_EW EW_CD	TVD_DEPTI COMPL_ST	COUNTY	LAND_TYP	PLUG_DATE
	0 Point	TANDEM E BIG CIRCLE	32.63941	-103.7122 3E+	09	24 19.05	32E	330 S	330 E	3175 Active	Lea	F	<null></null>
	1 Point	KEWANEE (BIG CIRCLE	32.6376	-103.7122 3E+	09	25 19.0S	32E	330 N	330 E	3172 Plugged	Lea	F	1/2/1900
	2 Point	ANADARKC SAUNDERS	32.65119	-103.7047 3E+	09	19 19.0S	33E	660 N	1980 W	4300 Plugged	Lea	F	1/2/1900
	3 Point	TANDEM E SIGNAL RO	32.63668	-103.7004 3E+	09	30 19.05	33E	660 N	1980 E	3192 Active	Lea	F	<null></null>
	4 Point	HUDSON O SIGNAL RO	32.63305	-1.03.7046 3E+	09	30 19.0S	33E	1980 N	2004 W	3173 Plugged	Lea	F	1/2/1900
	5 Point	TANDEM E SIGNAL RO	32.63759	-1.03.7036 3E+	09	30 19.0S	33E	330 N	2310 W	3135 Active	Lea	F	<null></null>
	6 Point	TANDEM E SIGNAL RO	32.63759	-1.03.7079 3E+	09	30 19.05	33E	330 N	990 W	3126 Active	Lea	F	<null></null>
	7 Point	HUDSON O SIGNAL RO	32.63759	-103.6971 3E+	09	30 19.05	33E	330 N	990 E	3005 Plugged	Lea	F	1/2/1900
	8 Point	SINCLAIR C CARDER FE	32.62942	-103.6961 3E+	09	30 19.05	33E	1980 S	660 E	5600 Plugged	Lea	F	1/2/1900
	9 Point	TANDEM E BIG CIRCLE	32.64033	-103.7165 3E+	09	24 19.05	32E	660 S	1650 E	3175 Active	Lea	F	<null></null>
	10 Point	MACK ENEI FEDERAL 1	32.6394	-103.7036 3E+	09	19 19.0S	33E	330 S	2310 W	3060 Plugged	Lea	F	1/2/1900
	11 Point	HUDSON O SIGNAL RO	32.6258	-103.7004 3E+	09	30 19.05	33E	660 S	1980 E	3127 Plugged	Lea	F	1/2/1900
	12 Point	JOHN H TRI FEDERAL R	32.62308	-103.7015 3E+	09	31 19.0S	33E	330 N	2310 E	710 Plugged	Lea	F	1/2/1900
	13 Point	MANZANO FEDERAL 3:	32.62306	-103.7012 3E+	09	31 19.0S	33E	335 N	2223 E	3175 Plugged	Lea	F	5/7/1999
	14 Point	MACK ENEI COLLIER FE	32.6394	-103.7014 3E+	09	19 19.0S	33E	330 S	2310 E	3142 Plugged	Lea	F	1/2/1900
	15 Point	ROBINSON TONTO 001	32.62671	-103.7036 3E+	09	30 19.05	33E	990 S	2310 W	3077 Active	Lea	F	<null></null>
	16 Point	ROBINSON TONTO 002	32.62928	-103.7101 3E+	09	30 19.05	33E	1925 S	330 W	3095 Active	Lea	F	<null></null>
	17 Point	ROBINSON TONTO 005	32.62852	-103.7015 3E+	09	30 19.05	33E	1650 S	2310 E	3095 Active	Lea	F	<null></null>
	18 Point	ROBINSON TONTO 003	32.62852	-103.7058 3E+	09	30 19.05	33E	1650 S	1650 W	3073 Active	Lea	F	<null></null>
	19 Point	ROBINSON TONTO 004	32.62671	-103.7079 3E+	09	30 19.05	33E	990 S	990 W	3129 Plugged	Lea	F	#########
	20 Point	ROBINSON TONTO 006	32.6267	-103.6972 3E+	09	30 19.05	33E	990 S	990 E	3098 Active	Lea	F	<null></null>
	21 Point	ROBINSON TONTO 007	32.62852	-103.6972 3E+	09	30 19.0S	33E	1650 S	990 E	3123 Active	Lea	F	<null></null>
	22 Point	GRACE PET HI YO SILVE	32.62581	-103.7122 3E+	09	25 19.0S	32E	660 S	330 E	3304 Plugged	Lea	F	6/13/1979
	23 Point	ROBINSON TONTO 01(32.62943	-103.7058 3E+	09	30 19.0S	33E	1980 S	1650 W	3100 Active	Lea	F	<null></null>
	24 Point	WALLEN PF WALLEN TC	32.62564	-103.7036 3E+	09	30 19.0S	33E	600 S	2310 W	570 Plugged	Lea	F	10/8/1980
	25 Point	WALLEN PF WALLEN CL	32.63035	-103.7144 3E+	09	25 19.0S	32E	2310 S	990 E	3140 Plugged	Lea	F	1/2/1900
	26 Point	SABER OIL WEST TON	32.64398	-103.7261 3E+	09	24 19.05	32E	1980 S	660 W	13700 Active	Lea	F	<null></null>
	27 Point	MATADOR FEDERAL 3	32.62943	-103.6964 3E+	09	30 19.0S	33E	1980 S	760 E	13712 Active	Lea	F	<null></null>
	28 Point	TANDEM E FEDERAL 1!	32.63968	-103.7079 3E+	09	19 19.0S	33E	430 S	990 W	3157 Active	Lea	F	<null></null>
	29 Point	MANZANO FEDERAL 3:	32.61854	-103.6961 3E+	09	31 19.0S	33E	1980 N	660 E	13653 Plugged	Lea	F	1/19/1996
	30 Point	ROBINSON TONTO 005	32.62564	-103.7036 3E+	09	30 19.05	33E	600 S	2300 W	3086 Active	Lea	F	<null></null>
	31 Point	COLLIER EN FALCON FE	32.6394	-103.6971 3E+	09	19 19.05	33E	330 S	990 E	3254 Plugged	Lea	F	1/2/1900
	32 Point	ROBINSON TONTO 011	32.62866	-103.7079 3E+	09	30 19.05	33E	1700 S	990 W	3088 Active	Lea	F	<null></null>
	33 Point	CIMAREX E STATE HH (32.61856	-103.7133 3E+	09	36 19.0S	32E	1980 N	660 E	9899 Active	Lea	S	<null></null>
	34 Point	ROBINSON TONTO 008	32.6289	-103.6995 3E+	09	30 19.0S	33E	1790 S	1710 E	3120 Active	Lea	F	<null></null>
	35 Point	GRACE PET WEST TON	32.63086	-103.7261 3E+	09	25 19.0S	32E	2480 S	660 W	4950 Plugged	Lea	F	1/2/1900
	36 Point	KAISER-FR# FEDERAL 3	32.63034	-103.7047 3E+	09	30 19.0S	33E	2310 S	1980 W	13802 Active	Lea	F	<null></null>
	37 Point	WALLEN PF WALLEN 15	32.64303	-103.7079 3E+	09	19 19.0S	33E	1650 S	990 W	3185 Plugged	Lea	F	1/2/1900
	38 Point	ENDURAN(MAVERICK	32.64031	-103.7047 3E+	09	19 19.0S	33E	660 S	1980 W	13800 Active	Lea	F	<null></null>
	39 Point	MEWBOUF MCKAMEY	32.63078	-103.7261 3E+	09	25 19.0S	32E	2450 S	660 W	13850 Active	Lea	F	<null></null>
	40 Point	COG OPER/ GERONIMC	32.62218	-103.709 3E+	09	31 19.0S	33E	660 N	660 W	10564 Active	Lea	Р	<null></null>
	41 Point	COG OPER/ GERONIMC	32.61855	-103.709 3E+	09	31 19.0S	33E	1980 N	660 W	13770 Active	Lea	F	<null></null>
	42 Point	COG OPER/ GERONIMC	32.62218	-103.7092 3E+	09	31 19.0S	33E	660 N	585 W	3250 Active	Lea	Р	<null></null>
	43 Point	GEORGE A PALADIN FI	32.64757	-103.7093 3E+	09	19 19.0S	33E	1980 N	560 W	7750 Active	Lea	F	<null></null>
	44 Point	COG OPER/ GERONIMC	32.62217	-103.7058 3E+	09	31 19.0S	33E	660 N	1650 W	10500 Active	Lea	Р	<null></null>
	45 Point	DEVON ENI GERONIMC	32.61855	-103.7047 3E+	09	31 19.0S	33E	1980 N	1980 W	10295 Plugged	Lea	F	1/18/2002
	46 Point	SABER OIL ANDAWAY	32.62581	-103.7133 3E+	09	25 19.0S	32E	660 S	660 E	7920 Active	Lea	F	<null></null>
	47 Point	CHESAPEAI FEDERAL 3:	32.62289	-103.7015 3E+	09	31 19.0S	33E	400 N	2310 E	9400 Plugged	Lea	F	#########
	48 Point	WAGNER C GERONIMC	32.61925	-103.709 3E+	09	31 19.0S	33E	1725 N	660 W	7900 Plugged	Lea	F	8/15/2012
	49 Point	COG OPER/ GERONIMC	32.61855	-103.7092 3E+	09	31 19.0S	33E	1980 N	585 W	3250 Active	Lea	F	<null></null>

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50 Point	COG OPER/ GERONIMC	32.61855	-103.7049	3E+09	31 19.0S	33E	1980 N	1905 W	3150 Active	Lea	F	<null></null>
51 Point	WAGNER C GERONIMC	32.62217	-103.706	3E+09	31 19.0S	33E	660 N	1575 W	3250 Plugged	Lea	F	4/22/2013
52 Point	ROBINSON TONTO 012	32.62525	-103.7047	3E+09	30 19.0S	33E	460 S	1980 W	9450 Plugged	Lea	F	12/9/2011
53 Point	BC OPERAT STATE HH [32.62219	-103.7133	3E+09	36 19.0S	32E	660 N	660 E	7900 Active	Lea	S	<null></null>
54 Point	BC OPERAT STATE HH [32.61855	-103.7123	3E+09	36 19.0S	32E	1980 N	350 E	7911 TA	Lea	S	<null></null>
55 Point	WAGNER C GERONIMC	32.61573	-103.708	3E+09	31 19.0S	33E	2275 S	960 W	8200 Plugged	Lea	F	8/27/2012
56 Point	COG OPER/ PRONGHOI	32.65212	-103.7166	3E+09	24 19.0S	32E	330 N	1650 E	3500 Active	Lea	F	<null></null>
57 Point	GEORGE A PALADIN FI	32.65174	-103.7058	3E+09	19 19.0S	33E	460 N	1650 W	7780 Active	Lea	F	<null></null>
58 Point	ENDURAN(GUNSMOK	32.6512	-103.7133	3E+09	24 19.0S	32E	660 N	660 E	7852 Active	Lea	F	<null></null>
59 Point	GEORGE A PALADIN FI	32.6521	-103.7003	3E+09	19 19.0S	33E	330 N	1980 E	7858 Active	Lea	F	<null></null>
60 Point	GEORGE A PALADIN FI	32.65119	-103.709	3E+09	19 19.0S	33E	660 N	660 W	7850 Active	Lea	F	<null></null>
61 Point	GEORGE A PALADIN FI	32.64847	-103.7003	3E+09	19 19.0S	33E	1650 N	1980 E	7850 Active	Lea	F	<null></null>
62 Point	GEORGE A PALADIN FI	32.64847	-103.7047	3E+09	19 19.0S	33E	1650 N	1980 W	7850 Active	Lea	F	<null></null>
63 Point	NEARBURG DIAMONDE	32.62672	-103.7133	3E+09	25 19.0S	32E	990 S	660 E	13850 Active	Lea	F	<null></null>
64 Point	NEARBURG DIAMONDE	32.64047	-103.7176	3E+09	24 19.05	32E	710 S	1980 E	13830 Active	Lea	F	<null></null>
65 Point	MEWBOUF FEDERAL 3:	32.62217	-103.6972	3E+09	31 19.0S	33E	660 N	990 E	5520 Active	Lea	F	<null></null>
66 Point	ENDURAN(PALADIN FI	32.6521	-103.7036	3E+09	19 19.0S	33E	330 N	2310 W	0	Lea	F	<null></null>
67 Point	SAMSON R MONGOOS	32.63691	-103.726	3E+09	25 19.0S	32E	661 N	661 W	0	Lea	F	<null></null>
68 Point	CIMAREX E STATE HH (32.61507	-103.7176	3E+09	36 19.05	32E -	1980 S	1980 E	13840 Active	Lea	S	<null></null>
69 Point	MEWBOUF NORTE 19 I	32.64867	-103.6961	3E+09	19 19.0S	33E	1650 N	710 E	13760 Active	Lea	F	<null></null>
70 Point	CIMAREX E STATE HH (32.61782	-103.7125	3E+09	36 19.0S	32E	2310 N	330 E	0 New (Not	c Lea	S	<null></null>
71 Point	CIMAREX E STATE HH (32.62325	-103.7169	3E+09	36 19.0S	32E	331 N	1700 E	0 New (Not	c Lea	S	<null></null>
72 Point	BC OPERAT GAY NINET	32.61403	-103.7188	3E+09	36 19.0S	32E	1547 S	2280 E	10009 New (Not	c Lea	F	<null></null>

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2,000 psi BOP Schematic



2,000 psi BOP Schematic



3,000 psi BOP Schematic



Check Valve



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GATES E & S NORTH AMERICA, INC DU-TEX 134 44TH STREET CORPUS CHRISTI, TEXAS 78405
 PHONE:
 361-887-9807

 FAX:
 361-887-0812

 EMAIL:
 crpe&s@gates.com

 WEB:
 www.gates.com

10K CHOKE & KILL ASSEMBLY PRESSURE TEST CERTIFICATE

Customer :	SPECIALTY SALES, INC.	Test Date:	11/21/2013
Customer Ref. :	49680-S	Hose Serial No.:	D-112113-8
Invoice No. :	197465	Created By:	Norma M.
			pa.
Product Description:		10K3.Q50.0CK31/1610KFLGE/	E
Product Description:	3 1/16 10K FLG	10K3.Q50.0CK31/1610KFLGE/ End Fitting 2 :	E 3 1/16 10K FLG
Product Description:	3 1/16 10K FLG 47773-4290	10K3.Q50.0CK31/1610KFLGE/ End Fitting 2 : Assembly Code :	E 3 1/16 10K FLG L34558092713D-112113-8

Gates E & S North America, Inc. certifies that the following hose assembly has been tested to the Gates Oilfield Roughneck Agreement/Specification requirements and passed the 15 minute hydrostatic test per API Spec 7K/Q1, Fifth Edition, June 2010, Test pressure 9.6.7 and per Table 9 to 15,000 psi in accordance with this product number. Hose burst pressure 9.6.7.2 exceeds the minimum of 2.5 times the working pressure per Table 9.

			1 DA
Quality Manager :	QUALITY	Technical Supervisor :	PRODUCTION
Date :	11/22/2013	Date :	(11/22/2043)
Signature :	Artol "	Signature :	NR XIII
	0		Form PTC - 01 Rev.0 2











NMAC by using a Closed Loop System."

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Internal Hydrostatic Test Certificate

Customer	Odessa	Hose Assembly Type	Choke & Kill	
MWH Sales Representative	Charles Ash	Certification	API 7K/FSL LEVEL2	
Date Assembled	11/11/2016	Hose Grade	Mud	
Location Assembled	OKC	Hose Working Pressure	100000	
Sales Order #	308747	Hose Lot # and Date Code	12354-09/15	
Customer Purchase Order #	345144	Hose I.D. (Inches)	3.5"	
Assembly Serial # (Pick Ticket #)	371501	Hose O.D. (Inches)	5.87"	
Hose Assembly Length	35 Feet	Armar (yes/no)	No	
End A		End I	3	
	1			
Ferrule (Part and Revision #)	RF3.5X5750	Ferrule (Part and Revision #)	RF3.5X5750	
Ferrule (Heat #)	41632	Ferrule (Heat #)	41632	
	WWWWWWW		HE HE COTSE THE	
		al to my little the street of the	1. 4 . K. B. W.	
Nut (Port #)		Nut (Part #)		
NUT (Heat #)		Nut (Heat #)		
Dies Used	5.80"	Dies Used	5.80"	
Test Pressure (psi)	15,000	Hose assembly was tested	with ambient water	
	A REAL PROPERTY AND A REAL			

MHSI-008 Rev. 0.0 Proprietary

	1. N	
	Midw & Spe	vest Hose cialty, Inc.
Customer: Odessa		Customer P.O.# 345144
Sales Order # 308747		Date Assembled: 11/11/2016
Hose Assembly Type:	Choke & Kill	Rig # N/A
Assembly Serial #	371501	Hose Lot # and Date Code 12354-09/15
Hose Working Pressure (psi)	100000	Test Pressure (psi) 15000
Hose Assembly Description:	CK56	-\$\$-10K-6410K-6410K-35/00'FT-W/LIFTERS
<i>Ne hereby certify that the above to the requirements of the purc</i>	e material supplied f hase order and curre	or the referenced purchase order to be true according nt industry standards.
iupplier: Midwest Hose & Specialty, Inc.		
312 S I-35 Service Rd		
Oklahoma City, OK 73129		
Oklahoma City, OK 73129 Comments:		
Oklahoma City, OK 73129 Comments: Approved L	3V	Date

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MHSI-009 Rev.0.0 Proprietary



pproved By d Hes Ash

Run Time: 02:54 PM

DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

Run Date:

06/30/2016 Page 1 of 1

LLD ACREAGE REPORT

Admin State: NM Geo State: NM

MTR: 23 0190S 0330E

Section:	030		NE NW SW	C.F.				
Sur Type	<u>Sur No</u>	Lld Suff	NNSS NNSS NNSS EWWE EWWE EWWE	NNSS EWWE	Sur Note	<u>Dup</u> Flg	<u>Sub</u> Surf	Acreage
A L L L	1 2 3 4		XXXX XX XX X X X-	xxxx				480.000 40.940 40.810 40.690 40.560
					Section ()30 Tot	al:	643.000

Section:	031		NE NW	SW SE				
<u>Sur Type</u>	Sur No	LId Suff	<u>NNSS NNSS</u> EWWE EWWE	NNSS NNSS EWWE EWWE	Sur Note	<u>Dup</u> Flg	<u>Sub</u> Surf	Acreage
A L L L	1 2 3 4		XXXX XX X X 	XX XXXX -X				480.000 40.480 40.450 40.410 40.380
					Section	031 Tot	al:	641.720

MTR Total Exluding Survey Notes C/D/R	1,284.720
and Sub Surf = Y	

Grand Total Excluding Survey Notes C/D/R	1,284.720
and Sub Surf = Y:	

NO WARRANTY IS MADE BY BLM FOR USE OF THE DATA FOR PURPOSES NOT INTENDED BY BLM

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

No records found.

PLSS Search:

Section(s): 19

Township: 19S

Range: 33E

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	New I ater C	<i>Mexic</i> olun	o Offi nn/A	ce o ver a	f the age	State El Depth	ngir to	neer W	ater
(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)	(R=POD has been replaced, O=orphaned, C=the file is closed)	(quarters a	are 1=NW 2= are smallest	NE 3=SV	√ 4=SE)) (NAD8	3 UTM in meters)		(In feet) .
POD Number	POD Sub- Code basin C	Q C ounty 64 1	Q 6 4 Sec Tw	s Rng	×	Y	Depth Well	Depth Water	Water Column
CP 00883		LE 4	3 30 198	33E	621517	3610545* 🌍	3305	10144-04-07-060000-07-07	nan ing kanada kanada ka
						Average Depth to	Water:		
						Minimum	Depth:		
						Maximum	Depth:		
Record Count: 1									
PLSS Search:									

Section(s): 30

5

Township: 19S

Range: 33E

*UTM location was derived from PLSS - see Help



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

No records found.

PLSS Search:

Section(s): 31

Township: 19S

Range: 33E



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

(A CLW###### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)	(R=POD has been replaced O=orphaned, C=the file is closed)	, (quar (quar	ters ters	are are	1=N\ smal	N 2=N lest to	IE 3=SW largest)	4=SE) (NAD83	3 UTM in meters)		(In feet)	
POD Number	POD Sub- Code basin C	ounty	Q 64	Q C 16 4	Sec	Tws	Rng	x	Y	Depth Well	Depth Water (Water Column
CP 00658		LE	2	2 4	26	19S	33E	628857	3611125* 🌍	100		
CP 00805		LE		3 1	18	19S	33E	621057	3614563* 🌍	450		
CP 00809		LE		2 1	05	19S	33E	623048	3618206* 🌍	300		
CP 00810		LE		3 3	08	19S	33E	622675	3615385* 🌍	110		
CP 00883		LE		4 3	30	19S	33E	621517	3610545* 🌍	3305		
L 07023	L	LE	2	3 3	32	19S	33E	622840	3609047* 🌍	262	185	77
									Average Depth to	Water:	185 fe	eet
									Maximum	Depth:	185 fe	et

Record Count: 6

PLSS Search:

Township: 19S

Range: 33E

*UTM location was derived from PLSS - see Help