Form 3160-5 (March 2012)

### **UNITED STATES** DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

OCD Hobbs

FORM APPROVED OMB No. 1004-0137 Expires: October 31, 2014

HOBBS OCD 5. Lease Serial No.

			_	LINIMISE AG 10-1		
Do not use this t	orm for proposals	to drill or to re-enter\ai	₽ 0 2013 Is.	6. If Indian, Allottee or	Tribe Name	
SUBMI	T IN TRIPLICATE - Othe	r instructions on page 2. REC	EIVED	7. If Unit of CA/Agreen	ment, Name and/or No.	
1. Type of Well						
✓ Oil Well Gas W	/ell Other			<ol><li>Well Name and No. West Blinebry Drinka</li></ol>	ard Unit (WBDU) #045 (37346)	
2. Name of Operator Apache Corporation (873)			,	9. API Well No. 30-025-36344	/	
3a. Address 303 Veterans Airpark Lane, Suite 3000		1	de)	10. Field and Pool or E Eunice: B-T-D, North		
Midland, TX 79705				L	· /	
4. Location of Well (Footage, Sec., T.,	R.,M., or Survey Description	i)	,	11. County or Parish, S	tate	
Acidize  Type of Intent  Gas Well  Gas Well  Gas Well  Other  Oth			Lea County, NM			
12. CHEC	K THE APPROPRIATE BO	X(ES) TO INDICATE NATUR	E OF NOTIC	E, REPORT OR OTHE	ER DATA	
TYPE OF SUBMISSION		TY	PE OF ACT	ION		
Notice of Intent	Acidize	Deepen	Prodi	uction (Start/Resume)	Water Shut-Off	
Trouce of finesia	Alter Casing	Fracture Treat	Recla	nmation	Well Integrity	
abandoned well. Use in SUBMIT IN To SUBMIT IN To SUBMIT IN To 1. Type of Well  2. Name of Operator Apache Corporation (873)  3a. Address 303 Veterans Airpark Lane, Suite 3000 Midland, TX 79705  4. Location of Well (Footage, Sec., T.,R.,M., 1040 FSL & 1470 FWL UL N Sec 9 T21S R37E  12. CHECK THI  TYPE OF SUBMISSION  Notice of Intent  Subsequent Report  Final Abandonment Notice  13. Describe Proposed or Completed Operation the proposal is to deepen directionally or Attach the Bond under which the work we following completion of the involved operating has been completed. Final Abandones	Casing Repair	New Construction	ズ Reco	mplete	Other ADD PAY	
Subsequent Report	Change Plans	Plug and Abandon	Temr	orarily Abandon		
Final Abandonment Notice		Plug Back		r Disposal		
13. Describe Proposed or Completed O the proposal is to deepen directions Attach the Bond under which the w following completion of the involv testing has been completed. Final	ally or recomplete horizonta work will be performed or pred operations. If the operat Abandonment Notices must	rtinent details, including estimate lly, give subsurface locations and ovide the Bond No. on file with I ion results in a multiple completion	d starting dat measured an BLM/BIA. R	te of any proposed work dd true vertical depths of lequired subsequent repo letion in a new interval,	fall pertinent markers and zones. orts must be filed within 30 days a Form 3160-4 must be filed once	
			e stimulate t	he Drinkard formation	for the first time, per the	

# SEE ATTACHED FOR **CONDITIONS OF APPROVAL**

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)		
Reesa Holland	Title Sr. Staff Reg Tech	10000110
Signature Rasa Holland	Date 04/02/2013	APPROVED
THIS SPACE FOR FE	DERAL OR STATE OF	FICE USE _ MAY 1 5 2013
Approved by	Title	RIGHTALL OF THE MANAGEMENT
Conditions of approval, if any, are attached. Approval of this notice does not warrant that the applicant holds legal or equitable title to those rights in the subject lease whice entitle the applicant to conduct operations thereon.	or certify h would Office	CARLSBAD FIELD OFFICE

fictitious or fraudulent statements Or representations as to any matter within its jurisdiction.

#### A2. WBDU 45 Proposed Procedure

#### Add perforations to the Drinkard, Acidize the Blinebry and Drinkard, and Fracture the Drinkard

- 1. MIRU. POOH w/ rods and pump. Install BOP. TFF and POOH w/ 2-7/8" tbg
- 2. RIH w/ 4-3/4" bit, csg. scraper on 2-7/8" tbg. RIH to +/-6840' PBTD. Clean well out as necessary to +/-6750'. POOH
- 3. RU wireline unit. Perforation depths based on a datum elevation of 3515' (KB elevation). Openhole logs with proposed perforations will be provided for correlation
- 4. Perforate the Drinkard from 6532-49', 6552-58', 6576-80', 6601-04', 6610-16', 6618-22' w/2 SPF, 120 deg phasing (40 total ft, 80 total shots)
- 5. RIH w/RBP and treating packer on 2-7/8" tbg. Set RBP @ +/-6700'. Set pkr @ +/-6450'
- 6. Acidize the Drinkard w/7,500 gals 15% HCl-NE-FE BXDX acid and rock salt in three equal stages. Release pkr. Wash out salt. Release RBP
- 7. Re-set RBP @ +/-6030', set pkr @ +/-5600'
- 8. Acidize the Blinebry interval w/3,000 gals 15% HCl-NE-FE BXDX acid and rock salt in two equal stages. Release pkr. Wash out salt. Release RBP. POOH
- 9. RIH w/ treating packer on 3-1/2" N-80 ws. Set pkr @ +/- 6450'
- 10. Pump 1 drum corrosion inhibitor and 2 drums scale inhibitor ahead of frac
- 11. RU frac equipment. Frac the Drinkard w/150,000# 20/40 SLC resin coated sand down 3-1/2" ws @ 30+ BPM in 35# XL gel as per frac recommendation
- 12. Rel pkr and POOH, LD 3-1/2" ws
- 13. RIH w/ bit on 2-7/8" tbg. Clean well out to PBTD +/-6840'. POOH
- 14. RIH w/SN and 2-7/8" prod tbg. to +/- 6675'
- 15. RIH w/ 1-1/2" pump and rods
- 16. Return well to production. Place well in test

	-		Corporatio		K		for the second
			HAWK B-1 RRENT CONFIG	•	GV <sub>L</sub>	Pac	WEL .
	WELL N		WBDU #45 (Haw		API:	30-025-363	44
CERT II TEA	LOCATIO	ON:	1040'S/1470'W NW-NW-SE	-SW, Sec. 9, T-21S, R-37E	COUNTY:	Lea Co., NN	1
	SPUD/TO	DATE:	09-16-03 / 09-27	-03	COMP. DATE:	11/7/2003	
		PREPARED BY: Michael Hunter			DATE:	4/1/2013	
	TD:	6900'	KB Elev.	3515'	KB Dist. H		· · · · · · · ·
SURF. CSG.	PBTD:	6840'	Ground Elev.	3505'	KB to Ground		
abra. Cad. (: ]		TUBING	SIZE (IN)	WEIGHT (LB/FT)	·		(FD)
	Surface			24.00	J-55	0.00	1 330:00
	Sunace	Casing	(Cemented w/800sx)	24.00	3-33	0,00	1,330,00
[	Prod. Ca	sing	5-1/2" (Cemented w/ 250sx)	17.00	J-55/L-80	0:00	6,900.00
FST CEN	MENT TOP	]				<del>                                     </del>	
130' (CBI		le					
	- Open 110						
1 11	Tubing		2-7/8"	0.50	150	0:00	6.607.66
	Tubing			6.50	J-55	0:00	6,687.00
	₹ <u>1</u> 75		PRO	DUCTION TBG	STRING	LENOTH	Selection .
	ITEM		DE	SCRIPTION		LENGTH	Depth
<b>3</b> 1 1 1		1005 550	Tana a sir i si mai		<del> </del>	(FT)	(FT)
	1		2-7/8" 6.5# J-55 TBC		6,687		
	2	SN			<del> </del>		6,677
	3	Tubing A	nenor				5,604
	4	ļ				1	0
		5					0.00
	6	<del> </del>				<del></del>	0.00
	7	1				1	0.00
	8	<del> </del>	ļ	0.00			
∄ Blinebry		<u> </u>					0.00
5670-76' 5790-98'	10	PRODUCTION ROD STRING					0:00
		PRODUCTION ROD STRING					Dim
5816-20	ITEM	DESCRIPTION				LENGTH '	Btm
5966-74	<u> </u>	100 ITE 7/01 KD 11000				(FT)	(FT)
31   1   12	1	92 JTS 7/8" KD RODS					
Tubb Pe	rfs 2	173 JTS 3/4" KD RODS				ļi	<u> </u>
6106-11		BHP: 2" X 1-1/2" X 20' RHBC W/ RHR (8/31/2005)				<del> </del>	
6141-46'	- 4 - 5	<del> </del>				-	ļ
6192-96		-			<del></del>	<del> </del>	-
6210-16	7	<del> </del>			<del></del>	<u> </u>	<del> </del>
6230-34' 6248-52'	8	+				<del> </del>	<del>                                     </del>
1 3:4 (   1   1	9	<del>                                     </del>				-	<del></del>
6278-84 6290-94	10	-			***************************************	<del>                                     </del>	ļ —
6290-94		A 27 11	∖ °°`, si	IREACE EQUID	MENT	<del>1</del>	<del> </del>
					MOTOR HP:	30 HP	
© Drinkard 6562-64'		PUMPING UNIT SIZE: C456-305-144 MOTOR HP: 30 HP PUMPING UNIT MAKE: MOTOR MAKE:					· , — —
6571-75	- Cincila						
6586-90	Form.						Density
6606-10	1	5670-76', 5790-98', 5816-20', 5966-74' (active)					2SPF
6622-28'	Blinebry		,0,00,00,00,00	20,000-17 (808			2011
	<u> </u>	6106-11', 6141-46', 6192-96', 6210-16', 6230-34', 6248-52', 62				', 6290-94'	2SPF
1 Throngon T	: 6840' <b>Tubb</b> : 6900'	(active)					
<u> </u>		6562-64', 6571-75', 6586-90', 6606-10', 6622-28' (active)					2SPF
	Drinkard						-
<u> </u>	- John Kare						

## A5. Proposed DH Diagram

### WELL PLAGRAM (PROPOSED CONFIGURATION)    WELL PLAGRAM (PROPOSED CONFIGURATION)    WELL PLAGRAM (PROPOSED CONFIGURATION)    WELL PLAGRAM (PROPOSED CONFIGURATION)    WELL PLAGRAM (PROPOSED CONFIGURATION)			Apa	ache (	Corporatio	n		1	
WELL NAME: W6DU #45 (Haw 5 H 94) API: 30 -025-36344 LOCATION: waterstorwards to se 1 7 15 at 72 C COUNTY: Lee Co., NM PERPARED BY: Mchael Humber DATE: 3/19/2013 TO: 6900' 180 Bev. 5515' KB 10 Stund PRETO: 6940' Good Bev. 5505' KB 10 Stund PRE								אומים ביותר	מתח
WELL NAME: WRDU #55 (Hawk 6-1 #34) API: 30-025-534-M COATON: SPECIFICATION: SPECI						•	C V	ושונבו	IULC.
LOCATION:							API:	30-025-363	44
SPUDTID DATE: 0.91-6.03 (0.9-27-0.3	<b>∤≣∏      </b>	#3\							
PREPARED BY: Mohael Hunter DATE 3/19/2013 TO: 6900' (B) Elev. 3515' (B) Disk H PETD: 5940' (Bround Elev. 3505') (B) Disk H PETD: 5940' (Bround Elev. 3505') (B) Disk H PETD: 5940' (Bround Elev. 3505') (B) Disk H PETD: 5940' (B) DI					09-16-03/09-27	-03		11/7/2003	-
Tip: 6900' RB BW. 3515' RB Dist. H PBTD: 6940' Ground BW. 3505' KB to Ground CASINOTUBING SIZE (IN) WEIGHT (LBFT) GRADE DEPTHS (F SUrface Casing 8-56" 24.00 J-55 0.00 1.3  Surface Casing 8-56" 24.00 J-55 0.00 1.3  (Cemerised wi1250s) J-55 0.00 0.5  Prod. Casing 5-1/2" 17.00 J-554-80 0.00 8.9  EST. CEMENT TOP 130' (CBL.)  Open Hole  Tubing 2-7/6" 6.50 J-55 0.00 6.6  PRODUCTION TBG STRING  ITEM DESCRIPTION (LENGTH D F(T)) 6.50 J-55 0.00 6.6  ITEM DESCRIPTION (F(T)) 6.50 J-55 0.00 6.6  Bilinebry Perfs 7  6.50 J-55 TBG 6.6  3 Tubing Anchor 5.5  4					Michael Hunter			3/19/2013	
PRITIL: 6840"   Ground Bev   3505"   KB to Ground   CASINGTUBING   SIZE (IN)   WEIGHT (LBFT)   GRADE   DEPTHS (F   25 00   J-55   0.00   1.3   CBL)		(1)				3515'			
CASINGETUBINO SIZE (IN) WEIGHT (LEFT) GRADE DEPTHS (F Surface Casing 8-5/8" 24.00 J-55 0.00 1.3 Casing 15-1/2" 17.00 J-55/L-80 0.00 6.9 (Cemented wit 25/8+)	URF. CSG.			6840'	Ground Elev.	3505'		<del></del>	
Surface Casing 8-5-8" 24.00 J-55 0.00 1.3    Cemented wideban									(FT)
Prod. Casing   S-1/2"   17.00   J-55/L-80   0.00   6.9	71   1	)	Surface (	Casing		<del></del>	J-55	0.00	1,330.00
Cameridad wt 1299a)		>			(Cemented w/600sx)				
EST. CEMENT TOP 130° (CBL)  Tubing 2-776° 6.50 J-55 0.00 6.6  PRODUCTION TBG STRING  ITEM DESCRIPTION LENGTH D (FT) 6.6 2 SN 6.6 3 Tubing Anchor 5.6 6 6 6 8 5816-20° 570-96° 6.570-76° 8 5816-20° 10 PRODUCTION ROD STRING  TUBD Perfs 6.6 10-11° 10 DESCRIPTION (FT) (FT) 6.6 10-11° 10 DESCRIPTION (FT) (FT) 6.6 10-11° 10 DESCRIPTION (FT) (FT) 6.10-11° 10 DESCRIPTION (FT) (FT) (FT) 6.10-11° 10 DESCRIPTION (FT) (FT) (FT) 6.10-11° 10 DESCRIPTION (FT) (FT) (FT) (FT) (FT) (FT) (FT) (FT)		)	Prod. Ca	sing	1	17.00	J-55/L-80	0.00	6,900.00
Tubing   2-7/6"   6-50   J-55   0.00   6-6					(Cemented W1250sx)		-,	<del></del>	
Tubing 2.7/6" 6.50 J-55 0.00 6.6  PRODUCTION TBG STRING  ITEM DESCRIPTION LENGTH D. (FT) 6.6  1 2.7/6" 6.59 J-55 TBG (FT) 6.6  2 SN 6.6  3 Tubing Anchor 5.5  6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6		3	Oran Ha	i				<del> </del>	
PRODUCTION TBG STRING	<i>X</i> + 1   1	( 130' (CBL)	Ореп но	ie				₽	
PRODUCTION TBG STRING		;·	1				<del> </del>	<del> </del>	
PRODUCTION TBG STRING	181 4	<del>-</del>	Tubing		2.76"	6.50	1.55	0.00	6 607 00
TIEM   DESCRIPTION   LENGTH   DESCRIPTION     CFT   OF   OF   OF   OF   OF   OF   OF	<b>₩</b> 11 <b>₩</b>	3	เขาเหย		2-110	6.50	J-55	0,00	6,687.00
TIEM   DESCRIPTION   (FT)		}			PRO	DUCTION TBG	STRING	<u> </u>	
1 2-7/8* 6.5# J-55 TBG	7 11	<b>(</b>	ITEM					l	Depth
Silnebry Perfs   5	¥	}		2 7 7 7 7				(FT)	(FT)
Bilinebry Perfs   7   6   6   6   6   6   6   6   6   6		}			0# J-00 1BG		·	<del></del>	6,687.0
##		1)		<u></u>					6,677.0 5,604.0
Section   Sect		\$			ubing Anchor				0.0
Blinebry Perfs 5670-76* 8 7 8 9 9 9 10 9 9 10 9 10 9 10 10 9 9 10 10 10 10 10 10 10 10 10 10 10 10 10		;}		<del> </del> -				<del> </del>	0.0
Blinebry Perfs 5670-76' 58 5790-98' 9 9 5816-20' 10 PRODUCTION ROD.STRING Tubb Perfs 6106-11' 6192-96' 6210-16' 6320-34' 4 7 JTS 1-1/2" KD RODS WISLIMHOLE COUPLINGS 1,500,0 1,602-20' 6220-34' 4 7 JTS 1-1/2" KBARS W/ 3/4" PIN 175,0 6,602-24' 6278-84' 6290-94' 7 Prinkard Perfs 6576-80' (Proposed) 6582-84' 6592-89' 6571-75' 6576-80' (Proposed) 6618-22' (Proposed) 6622-28'  PBTD: 6840'  PBTD: 6840'  PBTD: 6840'  PBTD: 6840'  PRODUCTION ROD. STRING LENGTH (FT) (FT) (FT) (FT) (FT) (FT) (FT) (FT)		l		<del> </del>		······································		+	0.0
5670-76' 5790-98' 5816-20' 10 PRODUCTION ROD. STIRING  Tubb Perfs 6106-11' 6141-46' 1 60 JTS 1" KD RODS WISLIM-HOLE COUPLINGS 1,500.0 1, 6192-96' 2 90 JTS 7/8" KD RODS 2,250.0 3, 6210-16' 3 110 JTS 3/4" KD RODS 2,750.0 6, 6230-34' 4 7 JTS 1-1/2" KBARS W/ 3/4" PIN 175.0 6, 6248-52' 6 8HP: 2" X 1-1/2" X 20" R-BC W/ R-R (NEW/RECONDITIONED) 6, 6278-84' 6 629-94' 7 Drinkard Perfs 6 652-68' (Proposed) 6 652-68' (Proposed) 6 652-69' (Proposed) 6 6610-04' (Proposed) 6 6601-04' (Proposed) 6 6610-16' (Proposed) 6 6610-16' (Proposed) 6 6610-22' (Proposed) 6 6618-22' (Proposed) 6 662-28'  PBTD: 6840'  PBTD: 6840'  PBTD: 6840'  6 552-64', 6571-75', 6586-90', 6606-10', 6622-28' (active) 2	11 H 18	Dinahau Barta		<del>                                     </del>			<del></del>		0.0
5790-98' 5816-20' 5966-74' Tubb Perfs 6106-11' 6141-46' 6192-96' 290.TS 78' KD RODS W/SLM-HOLE COUPLINGS 1,500.0 1, 6230-34' 47.JTS 1-1/2* KBARS W/3/4* PN 175.0 6, 6248-52' 6 BHP. 2* X 1-1/2* X 20' RHBC W/ RHR (NEW/RECONDITIONED) 6522-49' (Roposed) 6552-58' (Rroposed) 6552-58' (Rroposed) 6562-64' 6571-75' 6576-80' (Rroposed) 6561-04' (Roposed) 6668-10' 6601-04' (Roposed) 6618-22' (Roposed) 6622-28'  PBTD: 6840'  66502-64', 6571-75', 6586-90', 6606-10', 6622-28' (active) 20 66502-64', 6571-75', 6586-90', 6606-10', 6622-28' (active)		1		<del>                                     </del>		<del></del>	<del></del>	1	0.0
Sele-20'   5966-74'   PRODUCTION ROD STRING		ગ		-					0.0
Sep6-74'   PRODUCTION ROD STRING		T							0,0
Tubb Perfs 6106-11' 6141-46' 1 60 JTS 1" KD RODS W/SLIMHOLE COUPLINGS 1,500,0 1, 6192-96' 2 90 JTS 7/8" KD RODS 2,250,0 3, 6210-16' 3 110 JTS 34" KD RODS 3,245,0 6, 6248-52' 6 BHP. 2" X 1-1/2" KBARS W/ 3/4" PIN 175,0 6, 6290-94' 7 Drinkard Perfs 6532-49' (Proposed) 6562-64' 6571-75' 6576-80' (Proposed) 6561-04' (Proposed) 6601-04' (Proposed) 6601-04' (Proposed) 6618-22' (Proposed) 6618-22' (Proposed) 6618-22' (Proposed) 6618-22' (Proposed) 6610-16' (Proposed) 6618-22' (Proposed) 6622-28' (Proposed)	<b>₩</b>     <b>½</b>	1		PRODUCTION ROD STRING					<u> </u>
Barbara   Barb		Tubb Perfs						LENGTH	Btm
Barbara   Barb	3     🖺	6106-11'	ПЕМ					-1	(FT)
Barbara   Barb		6141-46'	1					<del></del>	
Barbara   Barb		6192-96'			00 JTS 7/8" KD RODS			2,250.0	3,750.0
Barbara   Barb		6210-16'	3	110 JTS	110 JTS 3/4' KD RODS				6,500.0
Barbara   Barb		6230-34'	4	7 JTS 1-1	/2" KBARS W/ 3/4"	PIN		175.0	6,675.0
Barbara   Barb		6248-52 <sup>,</sup>	5	BHP: 2" X	(1-1/2" X 20' RHBC	W/ RHR (NEW/RECC	NDITIONED)		6,675.0
Barbara   Barb		6278-84'	6						
Size	1 1 1	6290-94'							
6552-58' (Proposed) 6562-64' 6571-75' 6576-80' (Proposed) 6586-90' 6601-04' (Proposed) 6601-04' (Proposed) 6618-22' (Proposed) 6618-22' (Proposed) 6622-28'  PBTD: 6840'  10  SURFACE EQUIPMENT  C456-305-144 MOTOR HP: 30 HP  MOTOR MAKE:  MOTOR MAKE:  PERFORATIONS  Form. Intervals De  5670-76', 5790-98', 5816-20', 5966-74' (active)  2  Tubb  6582-64', 6571-75', 6586-90', 6606-10', 6622-28' (active)  2	<i>1</i> 1   1 <b>6</b> 3	Drinkard Perfs	8						
6562-64'   SURFACE EQUIPMENT	W					····			
Form.   Intervals   December			10	<u></u>				1	
Form.   Intervals   December		6562-64'	<u> </u>						
Form.   Intervals   December		6571-75'				C456-305-144		30 HP	
Form.   Intervals   December	31	6576-80' (Proposed)							· ·
Blinebry  6618-22' (Proposed)  6622-28'  Tubb  6108-11', 6141-46', 6192-96', 6210-16', 6230-34', 6248-52', 6278-84', 6290-94' (active)  2  PBTD: 6840'  6562-64', 6571-75', 6586-90', 6606-10', 6622-28' (active)  2	<i>[</i> ]    <u>[</u> ]	6586-90							Der 1
Blinebry  6618-22' (Proposed)  6622-28'  Tubb  6108-11', 6141-46', 6192-96', 6210-16', 6230-34', 6248-52', 6278-84', 6290-94' (active)  2  PBTD: 6840'  6562-64', 6571-75', 6586-90', 6606-10', 6622-28' (active)  2	¥     #	coun-u4" (Proposed)	rorm.	5670-76', 5790-98', 5816-20', 5966-74' (active)				Density 2SPF	
6622-28' Tubb 6108-11', 6141-46', 6192-96', 6210-16', 6230-34', 6248-52', 6278-84', 6290-94' (active)  PBTD: 6840' 6562-64', 6571-75', 6586-90', 6606-10', 6622-28' (active) 2	月   1   5		Rijnebor					ve)	
6622-28' Tubb 6108-11', 6141-46', 6192-96', 6210-16', 6230-34', 6248-52', 6278-84', 6290-94' (active)  PBTD: 6840' 6562-64', 6571-75', 6586-90', 6606-10', 6622-28' (active) 2			Sintebry	<del></del>	<del></del>				ļ
PBTD: 6840' 6562-64', 6571-75', 6586-90', 6606-10', 6622-28' (active) 2	<i> </i>								2000
	11	0022-28					(active)	2SPF	
	\$ <b>*****</b>								
TD: 6900' Drinkard 6532-49', 6552-58', 6576-80', 6601-04', 6610-16', 6618-22' (Proposed) 2			<b>.</b>						2SPF
1	<b>ፐ</b> ው: 6900'			ard 6532-49', 6552-58', 6576-80', 6601-04', 6610-16', 6618-22' (Proposed)				2SPF	
<u> </u>				<u> </u>					L

## West Blinebry Drinkard Unit #45 30-025-36344 Apache Corporation May 16, 2013 Conditions of Approval

Notify BLM at 575-361-2822 a minimum of 24 hours prior to commencing work.

Work to be completed by August 16, 2013.

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- 1. Must conduct a casing integrity test before any work can be done. Submit results to BLM.
- 2. A CIT is to be performed on the production casing per Onshore Oil and Gas Order 2.III.B.1.h.
- 3. Make arrangements 24 hours before the test for BLM to witness. E-mail Paul R. Swartz <a href="mailto:pswartz@blm.gov">pswartz@blm.gov</a> or phone 575-200-7902, if there is no response, 575-361-2822. If no answer, leave a voice mail or email with the API#, workover purpose, and a call back phone number. Note the contact, time, & date in your subsequent report.
- 4. If CIT does not fail work is approved as proposed by operator.
- 5. Before casing or a liner is added or replaced, prior BLM approval of the design is required. Use notice of intent Form 3160-5.
- 6. Surface disturbance beyond the originally approved pad must have prior approval.
- 7. Closed loop system required.
- 8. All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of work over operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area. Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.
- 9. Operator to have H2S monitoring equipment on location.

- 10. A minimum of a 3000 (3M) BOP to be used. All blowout preventer (BOP) and related equipment (BOPE) shall comply with reasonable well control requirements. A two ram system with a blind ram and a pipe ram designed for the size of the work string shall be adequate. Tapered work strings will require an additional pipe ram. The manifold shall comply with Onshore Oil and Gas Order #2 Attachment I (3M Diagrams of Choke Manifold Equipment). The accumulator system shall have an immediately available power source to close the rams and retain 200 psi above pre-charge. The pre-charge test shall follow requirements in Onshore Order #2.
- 11. Subsequent sundry required detailing work done and completion report. Operator to include well bore schematic of current well condition when work is complete.

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