	DI B	UNITED STATE EPARTMENT OF THE UREAU OF LAND MAN	ES OCD INTERIOR OCD AGEMENT HOBBS	Hobbs FOR OCD Expi	RM APPROVED 3 NO. 1004-0135 res: July 31, 2010		
	SUNDRY	NOTICES AND REP(5. Lease Serial No NMNM27508	5. Lease Serial No. NMNM27508			
	Do not use th abandoned we	is form for proposals to II. Use form 3160-3 (AI	6. If Indian, Allott	ee or Tribe Name			
	SUBMIT IN TR	IPLICATE - Other instru	nctions on reverse side. RECE	7. If Unit or CA/A	greement, Name and/or No.		
1. Type of Well	🖸 Gas Well 🔲 Ot	her		8. Well Name and WILDER FEDI	No. ERAL 28 4H		
2. Name of Oper CONOCOF	PHILLIPS COMPA	Contact: NY	KRISTINA MICKENS	9. API Well No. 30-025-4050	9. API Well No. 30-025-40502-00-X1		
3a. Address 3300 N "A" MIDLAND,	ST BLDG 6 TX 79705		3b. Phone No. (include area code) Ph: 281.206.5282	10. Field and Pool WC-025 G05	10. Field and Pool, or Exploratory WC-025 G05 S263208P		
4. Location of W	Vell (Footage, Sec., 7	^E ., R., M., or Survey Descriptio	n)	11. County or Pari	sh, and State		
Sec 28 T26 32.011184	S R32E NWNW 3 N Lat, 103.411515	30FNL 330FWL		LEA COUNT	Y, NM		
	12. CHECK APP	ROPRIATE BOX(ES) T	O INDICATE NATURE OF NO	TICE, REPORT, OR OTH	IER DATA		
TYPE OF S	SUBMISSION		TYPE OF A	CTION			
🔀 Notice of	Intent	□ Acidize □ Alter Casing	Deepen Fracture Treat	Production (Start/Resume) Reclamation	□ Water Shut-Off		
🗖 Subsequer	nt Report	Casing Repair	☐ New Construction		C Other		
T Final Aba	ndonment Notice	Change Plans	Plug and Abandon	Temporarily Abandon	Change to Original		
_		Convert to Injection	D Plug Back	Water Disposal	T D		
Attach the Bon following com testing has bee determined the	nd under which the wo npletion of the involved en completed. Final A at the site is ready for f	rk will be performed or provid 1 operations. If the operation r bandonment Notices shall be f inal inspection.)	e the Bond No. on file with BLM/BIA. I esults in a multiple completion or recomp led only after all requirements, including	Required subsequent reports shall oletion in a new interval, a Form reclamation, have been complet	be filed within 30 days 3160-4 shall be filed once ed, and the operator has		
ConocoPhil are:	llips respectfully su	Ibmits the attached revis	ed drill plan procedure. Significar	t changes	* 1·		
7" Intermed	liate 2 string has b with "sleeves & pa string has been ac	een-removed. ekers " has been remov e Ided from surface to TD I the set depth of the long	d. and increased to 20ppf. g string to 500ft. inside the 9-5/8"	shoe with	TTACHED FOR		
.4 <u>-1/2" liner</u> 5-1/2" long Cement has an optional We are also	s been added from DV tool & packer a o requesting to am	at 5500ft. end the well name from \	Wilder Federal 28 4H to Wilder Fe	ederal AC 28 4H. CON	DITIONS OF AI		
.4 <u>-1/2" liner</u> 5-1/2" long Cement has an optional We are also	s been added from DV tool & packer a p requesting to am	at 5500ft. end the well name from ¹ true and correct. Electronic Submission #	Wilder Federal 28 4H to Wilder Fe	ederal AC 28 4H. CON	DITIONS OF AF		
.4 <u>-1/2" liner</u> 5-1/2" long Cement has an optional We are also	s been added from DV tool & packer a o requesting to am ify that the foregoing is Comm	at 5500ft. end the well name from N s true and correct. Electronic Submission # For CONOCC uitted to AFMSS for proces	Wilder Federal 28 4H to Wilder Fe #229022 verified by the BLM Well Ir DPHILLIPS COMPANY, sent to the ssing by JOHNNY DICKERSON on	oderal AC 28 4H. CON formation System Hobbs 12/1 1/2013 (14 JL <u>20983SE)</u>	DITIONS OF AF		
.4 <u>-1/2" liner</u> 5-1/2" long Cement has an optional We are also 14. I hereby certi Name(<i>Printed</i>	s been added from DV tool & packer a o requesting to am ify that the foregoing is Comm VTyped) KRISTINA	at 5500ft. end the well name from V s true and correct. Electronic Submission f For CONOCC nitted to AFMSS for process	Wilder Federal 28 4H to Wilder Fe #229022 verified by the BLM Well In DPHILLIPS COMPANY, sent to the ssing by JOHNNY DICKERSON on Title	oderal AC 28 4H. CON formation System Hobbs 12/11/2013 (14)LD0983SE)	DITIONS OF AI		
.4 <u>-1/2" liner</u> 5-1/2" long Cement has an optional We are also 14. I hereby certi Name(<i>Printed</i> Signature	s been added from DV tool & packer a o requesting to am ify that the foregoing is <i>Comm</i> <i>(Typed)</i> KRISTINA (Electronic S	at 5500ft. end the well name from ¹ s true and correct. Electronic Submission f For CONOCC itted to AFMSS for proces MICKENS	Wilder Federal 28 4H to Wilder Fe #229022 verified by the BLM Well In DPHILLIPS COMPANY, sent to the ssing by JOHNNY DICKERSON on Title Date 12/10/201	ederal AC 28 4H. CON formation System Hobbs 12/1 /2013 (14-)L D0983SE) 3	DITIONS OF AI		
.4 <u>-1/2" liner</u> 5-1/2" long Cement has an optional We are also 14. I hereby certi Name(<i>Printed</i> Signature	s been added from DV tool & packer a o requesting to am ify that the foregoing is <i>Comm</i> <i>VTyped)</i> KRISTINA (Electronic S	at 5500ft. end the well name from ¹ s true and correct. Electronic Submission f For CONOCC itted to AFMSS for proces MICKENS Submission) THIS SPACE F	Wilder Federal 28 4H to Wilder Federal 28 4H to Wilder Federal 28 4H to Wilder Federal 29022 verified by the BLM Well In DPHILLIPS COMPANY, sent to the ssing by JOHNNY DICKERSON on Title Date 12/10/201	ederal AC 28 4H. CON formation System Hobbs 12/1 /2013 (14-)L D0983SE) 3 FICE USE	THER AND		
A <u>s1/2" liner</u> 5-1/2" long Cement has an optional We are also 14. I hereby certi Name (<i>Printed</i> Signature	s been added from DV tool & packer a p requesting to am ify that the foregoing is <i>Comm</i> <i>(Typed)</i> KRISTINA (Electronic S	at 5500ft. end the well name from ' s true and correct. Electronic Submission i For CONOC(nitted to AFMSS for proces MICKENS Submission) THIS SPACE For	Wilder Federal 28 4H to Wilder Federal 28 4H to Wilder Federal 28 4H to Wilder Federal 29022 verified by the BLM Well In DPHILLIPS COMPANY, sent to the ssing by JOHNNY DICKERSON on Title Date 12/10/201 OR FEDERAL OR STATE OF Title Title	ederal AC 28 4H. CON formation System Hobbs 12/11/2013 (14/L D0983SE) 3 FICE USE BURLAU OF LAN IN CARL SBAD FIEL	WED ANAGE INFORMATION		
A <u>s1/2" liner</u> 5-1/2" long Cement has an optional We are also 14. I hereby certi Name (<i>Printed</i> Signature Approved By Conditions of appro ertify that the apply which would entitle	s been added from DV tool & packer is o requesting to am ify that the foregoing is <i>Comm</i> <i>(Typed)</i> KRISTINA (Electronic S (Electronic S) oval, if any, are attache icant holds legal or equesting and requestion of the second the applicant to condu-	at 5500ft. end the well name from ' s true and correct. Electronic Submission : For CONOC(hitted to AFMSS for proces A MICKENS Submission) THIS SPACE For d. Approval of this notice doe hitable title to those rights in the loc operations thereon.	Wilder Federal 28 4H to Wilder Federal 28 4H to Wilder Federal 28 4H to Wilder Federal 29022 verified by the BLM Well In DPHILLIPS COMPANY, sent to the sing by JOHNNY DICKERSON on Title Date 12/10/201 OR FEDERAL OR STATE OF Title	ederal AC 28 4H. CON formation System Hobbs 12/11/2013 (14/L D0983SE) 3 FICE USE BUREAU OF LANDAU CARL SBAD FIEL	WED MARGE MENTE DOFFICE		
A <u>s1/2" liner</u> 5-1/2" long Cement has an optional We are also 14. I hereby certi Name (<i>Printed</i> Signature Approved By Conditions of appro- certify that the apply which would entitle Title 18 U.S.C. Sec States any false, f	s been added from DV tool & packer is o requesting to am ify that the foregoing is <i>Comm</i> <i>VTyped</i>) KRISTINA (Electronic S (Electronic S cont holds legal or eq e the applicant to condu- tion 1001 and Title 43 ictitious or fraudulent is	at 5500ft. end the well name from ' s true and correct. Electronic Submission i For CONOC(nitted to AFMSS for proces MICKENS Submission) THIS SPACE For d. Approval of this notice doe nitable title to those rights in th ict operations thereon. U.S.C. Section 1212, make it a statements or representations a	Wilder Federal 28 4H to Wilder Federal 28 4H to Wilder Federal 28 4H to Wilder Federal 29022 verified by the BLM Well In DPHILLIPS COMPANY, sent to the ssing by JOHNY DICKERSON on Title Date 12/10/201 OR FEDERAL OR STATE OF S not warrant or is subject lease Office a crime for any person knowingly and wi s to any matter within its jurisdiction.	ederal AC 28 4H. CON formation System Hobbs 12/11/2013 (14/L D0983SE) BURLAU OF LANDA BURLAU OF LANDA CARL SBAD FIEL Ifully to make to any department	WED ANAGEINENTe DOFFICE		

Wilder Federal AC COM 28-4H 9-5/8" Intermediate Casing Collapse Exception

The 9-5/8" 36# J-55 LTC would not be at risk of collapse when set as intermediate casing at approximately 4430'. Our reasons are as follows:

1. The 9-5/8" intermediate casing for this well would not be subject to the production collapse load case of being pumped off to zero pressure on the inside by beam pump or ESP production pumping the fluid level down. The 9-5/8" casing would be isolated from the beam pumping production collapse load case by the production casing that would be run.

2. If loss of circulation occurs during the drilling phase while drilling below the 9-5/8" intermediate casing, we would expect the fluid level would fall no further than 2200' below the surface of ground before reaching hydrostatic balance with the pressure of the loss zone. Our anticipated maximum mud weight for drilling below the 9-5/8" intermediate casing is 9.3 ppg, and our experience has been that we have not had severe losses with this mud weight in our previous wells in this area.

3. The 9-5/8" casing will be filled with mud while running it by filling it at least once each 30 joints (1260').

1/2/14	DEPARTMENT OF THE INTERIOR Mail - Wilder Fed	leral 28 4H
, Jason Levinson Ser ConocoPhillips Compa	iior Drilling Engineer ny	
600 N Dairy Ashford Rd jason.a.levinson@cond	, P10-05-5006 Houston, TX 77079 cophillips.com Direct 281.206.5335 Mobile 281.68	32.2783
n 0		n n
From: Mason, Jennifer [Sent: Thursday, Januar To: Mickens, Kristina; Le Subject: [EXTERNAL]W	mailto:jamason@blm.gov] y 02, 2014 12:38 PM evinson, Jason A /ilder Federal 28 4H	
[Quoted text hidden]		
Mason, Jennifer <jamaso To: "Levinson, Jason A" <</jamaso 	on@blm.gov> Jason.A.Levinson@conocophillips.com>	Thu, Jan 2, 2014 at 12:11 PM
please specify it for the would be better when I p [Quoted text hidden]	correct well with the correct depths. Also, if you car but it with the sundry.	n attach it as a word document that
Levinson, Jason A <jaso To: "Mason, Jennifer" <jan< th=""><th>on.A.Levinson@conocophillips.com> nason@blm.gov>, "Mickens, Kristina" <kristina.micl< th=""><th>Thu, Jan 2, 2014 at 12:13 PM kens@conocophillips.com></th></kristina.micl<></th></jan<></jaso 	on.A.Levinson@conocophillips.com> nason@blm.gov>, "Mickens, Kristina" <kristina.micl< th=""><th>Thu, Jan 2, 2014 at 12:13 PM kens@conocophillips.com></th></kristina.micl<>	Thu, Jan 2, 2014 at 12:13 PM kens@conocophillips.com>
Optional DV tool at 5500ft		
<u>Stage 2</u>		
170sx lead @ 3.19 ft^3/sx		
Volume is proposed with 3	35% excess	
Top of cement to 500ft. ins	side the previous casing shoe at 4430ft.	
5500' - 3930'		
Jason Levinson Sen ConocoPhillips Compar 600 N Dairy Ashford Rd jason.a.levinson@cono	ior Drilling Engineer 1y , P10-05-5006 Houston, TX 77079 cophillips.com Direct 281.206.5335 Mobile 281.68	2.2783
From: Mason, Jennifer [Sent: Thursday, January To: Mickens, Kristina; Le Subject: [EXTERNAL]W	mailto:jamason@blm.gov] y 02, 2014 12:34 PM vinson, Jason A ilder Federal 28 4H	

Please send the cement volumes for the DV tool at 5500 for this well.

[Quoted text hidden]



Malon, Lennier sja nacono)oim.gova

Wilder Federal 28 4H

5 messades

Mason, Jennifer <jamason@blm.gov>

Thu, Jan 2, 2014 at 11:34 AM To: "Mickens, Kristina" <kristina.mickens@conocophillips.com>, Jason.A.Levinson@conocophillips.com

Please send the cement volumes for the DV tool at 5500 for this well.

Thank you,

Jennifer Mason Bureau of Land Management Carlsbad Field Office 575-234-6237

Mason, Jennifer <jamason@blm.gov> Thu, Jan 2, 2014 at 11:37 AM To: "Mickens, Kristina" <kristina.mickens@conocophillips.com>, Jason.A.Levinson@conocophillips.com

Also send the collapse statement.

Thank you,

Jennifer Mason **Bureau of Land Management** Carlsbad Field Office 575-234-6237

Levinson, Jason A < Jason A.Levinson@conocophillips.com> Thu, Jan 2, 2014 at 12:05 PM To: "Mason, Jennifer" <jamason@blm.gov>, "Mickens, Kristina" <Kristina.Mickens@conocophillips.com>

From:	Moore, Steven O.
Sent:	Tuesday, August 07, 2012 9:31 AM
То:	Fernandez, Edward
Subject	Collapse Load Case Explanation (9-5/8" Intermediate Casing) (Wilder Federal 29 # 1H)

Subject: Collapse Load Case Explanation for 9-5/8" Intermediate Casing, Wilder Federal 29 # 1H

HOBBS OCD

JAN 07 2014

RECEIVED

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DISTRICT I 1625 N. French Dr., Hobbs, NM 88246 Physics (575) 593-8161 Far: (575) 593-6720 DISTRICT II 611 S. First St., Artesia, NM 88210 Phome (675) 748-1283 Part (575) 748-0720 DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone (505) 334-6176 Fax: (505) 334-6170 DISTRICT IV 1220 S. St. Prancis Dr., Santa Fe, NM 87505 Phone (505) 476-3400 Fax: (505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised August 1, 2011

CI AMENDED REPORT

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Submit one copy to appropriate District Office

OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, New Mexico 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number Pool Code Pool Name BONE SPRING UPPER SHALE 97838 30-025-40502 Property Code Well Number Property Name 39134 WILDER FEDERAL AC 28 4H OGRID No. **Operator** Name Elevation 3153' 217817 CONOCO PHILLIPS Surface Location Feet from the UL or lot No. Township Range Lot Idn North/South line Feet from the East/West line Section County 26 S 32 E 330 NORTH 330 WEST LEA D 28 Bottom Hole Location If Different From Surface Feet from the Lot Idn North/South line UL or lot No. Section Township Range Feet from the East/West line County LOT 4 26 S 32 E 330 SOUTH 330 WEST 33 LEA Dedicated Acres Joint or Infill Consolidation Code Order No. 230.09 NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION OPERATOR CERTIFICATION UPERATOR CERTIFICATION I hereby cortify that the information contained herein is true and complete to the best of my thousedge and belief, and that this organisation sither owns a working interest or unleased mineral interest in the location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluptary pooling agreement or a computary pooling order heretofore entered by the thight. 3147.2' ¥ <u>SURFACE LOCATION</u> Lat - N 32'01'11.84" Long - W 103'41'15.15" NMSPCE- N 371596.6 E 741483.2 3157:9 330'> N.: 37,1543.7 E.: 700972.3 (NAD-83) NAD 27 3158. 3162.6 Lat - N 32'01'12.43" E: 70026.0 NMSPCE- N 371539.5 NMSPCE- E 700296.0 lichen 12/00/13 Date sture (NAD-27) KRISTINA MICKENS Printed Name kristina.mickens@conocophillips.com 28 Email Address SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of <u>PROPOSED BOTTOM</u> <u>HOLE LOCATION</u> Lat - N 32'00'04.09" Long - W 103'41'15.13" NMSPCE- N 364750.7 (100 2741526.1 actual surveys made by me or under my supervison and that the same is true and correct to the best of my belief. ABBILL 230 (NAD-83) MEXICO Lot - N 32'00'03.64" Long - W 103'41'13.44" NMSPCE- N 354693.8 E 700338.6 ARE STA Date Sic 33 N : 364693.8 Survey P E.: 700336.6 NALI 27 LOT 4 N.: 354697.8 E.: 701012.9 NAD 27 7877 (NAD-27) 330 В.Н LOT 3 LOT 2 LOT 1 330'

Certificate

L. Jones

Gur

BASIN SURVEYS

7977

27890

1" - 2000

Bonespring/Red Hills ConocoPhillips Wilder Federal 28 #4H

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Surface Casing:	
Surface Casing Depth (Ft)	1,040
Surface Casing O.D. (In.)	13.375
Surface Casing ID (In)	12.715
Hole O.D. (In)	17.5
Excess (%)	200%
Volume Tail (Sx)	310
Yield Tail (Cu. Ft./Sx)	1.35
Yield Lead (Cu. Ft./Sx)	1.73
Shoe Joint (Ft)	40
Shoe Volume (Cu. Ft)	35.3
Tail feet of cement	300
Calculated Total Volume (Cu. Ft.)	1,994
Calc. Tail Volume (Cu. Ft.)	417
Calc. Lead Volume (Cu. Ft.)	1.542
Calc. Lead Volume (Sx)	900

Intermediate #1 Casing (Lead):	12.9	Intermediate #1 Casing (Tail):	14.8
Intermediate Casing O.D. (In.)	9.625	Intermediate Casing O.D. (In.)	9-5/8
Intermediate Casing ID (in)	8.835	Production Casing ID (In)	8.83
Hole O.D. (In)	12.25	Hole O.D. (In)	12.2
Excess (%)	200%	Excess (%)	250%
cap 12-1/4 - 9-5/8"	0.0558	cap 12-1/4 - 9-5/8"	0.0558
Calculated fill:	3,930'	Calculated fill:	500
		Yield Tail (Cu. Ft./Sx)	1.33
Yield Lead (Cu. Ft./Sx)	1.91	Shoe Joint (Ft)	4
		Shoe Volume (Cu. Ft)	17.1
Calculated Total Lead (Cu. Ft.)	3,693	· /	
	,	Calc. Tail Volume (Cu. Ft.)	40
Calc, Lead Volume (Sx)	1940		
		Required Tail Volume (Sx)	31

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Production (Lead): Stage #1	9.5	Production (Tail): Stage #1	13.2
Intermediate Casing O.D. (In.)	5.500	Intermediate Casing O.D. (In.)	5.500
ntermediate Casing ID (In)	4.892	Intermediate Casing ID (In)	4.892
Hole O.D. (In)	8.75	Hole O.D. (In)	8:75
Excess (%)	135%	Excess (%)	135%
cap 5-1/2" - 8-3/4" bls/ft	0.0450	cap 5-1/2" - 8-3/4" bls/ft	0.0450
cap 5-1/2" - 9-5/8" bis/ft	0.0464418	cap 5-1/2" - 9-5/8" bls/ft	0.0464418
Calculated fill:	4.853'	Calculated fill:	7,420'
Yield Lead (Cu. Ft./Sx)	3.22	Yield Lead (Cu. Ft./Sx)	1.27
Calculated Total Lead (Cu. Ft.)	1.661	Calculated Total Tail (Cu. Ft.)	2,530
Calc. Lead Volume (Sx)	520	Paguired Tail Volume (Sv)	1992
	8,783'	Neganea Ian Volume (SA)	1332

Production (Lead): Stage #2	9.5ppq	Optional DV+ACP placed around 5500ft TVD +/- 300ft
Intermediate Casing O.D. (In.)	5.500	
Intermediate Casing ID (In)	4.892	Gel Spacer WG19 or Polymer Spacer Ultra Seal
Hole O.D. (In)	8.75	1 Stage with LCM Kol Seal + Fiber
Excess (%)	135%	2 Stage no Fiber LCM to reduce risk of plugging DV Tool
cap 5-1/2" - 8-3/4" bis/ft	0.0450	
cap 5-1/2" - 9-5/8" bis/ft	0.0464418	Proceed with stage 2 right after circulating stage 1
Calculated fill: (500' into 9-5/8")	1,570'	
Yield Lead (Cu. Ft./Sx)	3.22	
Calculated Total Lead (Cu. Ft.)	541	
Calc. Lead Volume (Sx)	170	
}		

and the second second

				DRILLING	PLAN				
PROSPECT/FIELD	Bonespring/Red Hals					COUNTYISTA	TE	Lea County, NN	1
OWNERS	ConocoPhilips				LEASE				
WELL NO.	Wilder Federal 28 #4H			FNL	FSL	FEL	FWL		
LOCATION			Surface Location:	330			330	SECITON 28	
			Bottom Hole Location:		-330		330	SECITON 33	
EST. T.D.	Leg #1 16,203' MD					GROUND ELE	EV.	3,153 (est))
1							Ŕŀ	B 3.178'(est)'
PROGNOSIS:			Based on 3,169' KB(est)		LOGS:	I	vpe	Inter	val
						Open Hole:			CT III III III
Marker	TVD	S.S. Depth			1	GR-MWD	1620	3-8,483	
Quaternary	Surface						• •••		•
Rustler	953	2,225			1				
Delaware Top	4;370	-1,192			DEVIATION		. –		
Ford Shale	4,410	-1,232							
Bone Spring	B;204	-5,026			}	Surf:	5 mex., svy	avory 500'	
Bone Spring 1st Carbonale Top	8,523	-5;345				Interm 1:	10° max., svy	every 90'	
Bone Spring 1st Carbonale Base	8:500	-5,322				Interm2:	5 max, svy e	very 200 - In vertical	· .
Avaton A Shale Top	8,716	-5,538					83° mak.; siy	avery 30 - in curve	
Avalon A Shale Base	8.934	-5,756			1	Prod:	93° max, svy	every 100 - in lateral	
Avalon B Zone Top	8.934	-5,756							
Avaion B Zone Base	9,122	-5,944			DST'S:				
Avalon C Shale Top	9,122	-5,944			1		•		
Avalon C Shale Base (Should not penetrate)	9,362	-6,184							
		-			1		•	· ·	
					1				
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					CORES:				
					1	No cere.		-	
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					CANDE CO.	·	<u>5 (</u>		
					SAMPLES:				
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					Į –	Two-Man;	1040	ID Vents	and Florizontal sections
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					BUB	_	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	
					BOF.		COR Cutánéo	3 Well Centrol Dag	kamante
					HAP 488: BOF	72.	13-5/8-5Most	Annulor	a anianta
					(With Rotation	Head	13-3/8"-10Mos	Blind Rom	
					, ,		13-3/8 -10Mus	Cross / Choke & Kit	Lines
						· · · ·	13-3/8°-10M p	il Pipe Ram	é transmission de la companya de la
					1		13-3/8"-10Mps	Space Spool	
Dip Rate:	Slight Down Olp,							State of the second	<u></u>
Max. Anticipated BHP:		0.49 ps#ft			Surface For	mation:			
MUD:	Interval		Type		Max. MW	Vis		WL	Remarks
Surface:	0'-1010'		Aquagel - Spud Med		8.9	32-36		NC	
Intermediate:	1040'-4430'		Brine		10.5	28-30		6-8	
Production:	·4430'-16203'		Cut Drinn		0.5	30-10	· · ·	5	
								1 A A A A A A A A A A A A A A A A A A A	
			<u></u>			<u>_</u>	<u></u>		
CASING:	Sizo	Wt ppt	Hole	Depth	س الله	Comont		WOC	Romarka
Suriace,	13-3/8*	54,5	17-162	1,010	110	To Surface		18ms	
intermediate:	8-5/8		12-114	1.450	4550	To Surface		<u>10006</u>	
Production:	5-1/2	20	8-3/4	10,203		SUD Into interned	white .	180/8	· ·
DIRECTIONAL DLAN			in the second						
DIRECTIONAL FEAN		MD	TVD				47		
	Curtainar	11/0	N/A				110.04	Directional Come	ania DDC
	Vurtical KOP:	A 783'	8 768				170.84	Verliget Build Dat	ariy. 000
	Ent Bulk	0.520	9.245				179.04	Tan Len Turn Rat	e: 0.0 /100
	Torracert	NIA.	Ń/A				179.84	i din Log i din mai	
	Tun:	N/A	N/A				170.84		
1	TD:	16,203	0,289		-		179 84		
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and the second									1
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omments:		Diseasting as a	(T (
Principal milling taken in intermediate section .	WILL INC ONLY OF MWH TOOLS.	miectional entray:	will be taken with MWD	1001,					
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Gaologist

CONTRACT IN FRAME STREET

PECOS DISTRICT CONDITIONS OF APPROVAL

HOBBS OCD

JAN 07 2014

OPERATOR'S NAME:	CONOCOPHILLIPS	
LEASE NO.:	NM27508	RECEIVED
WELL NAME & NO.:	4H WILDER FEDERAL AC 28	
SURFACE HOLE FOOTAGE:	330' FNL & 330' FWL	
BOTTOM HOLE FOOTAGE	330' FSL & 330' FWL	
LOCATION:	Section 28, T.26 S., R.32 E., NMPM	
COUNTY:	Eddy County, New Mexico	
API:	30-025-40502	

I. DRILLING

A. DRILLING OPERATIONS REQUIREMENTS

The BLM is to be notified in advance for a representative to witness:

- a. Spudding well (minimum of 24 hours)
- b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
- c. BOPE tests (minimum of 4 hours)

Lea County

Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (575) 393-3612

- 1. A Hydrogen Sulfide (H2S) Drilling Plan should be activated 500 feet prior to drilling into the **Delaware** formation. As a result, the Hydrogen Sulfide area must meet **Onshore Order 6 requirements, which includes equipment and personnel/public** protection items. If Hydrogen Sulfide is encountered, please provide measured values and formations to the BLM.
- 2. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval. If the drilling rig is removed without approval an Incident of Non-Compliance will be written and will be a "Major" violation. This will also be applicable if an un-cemented completion liner is run and a liner top seal, or equivalent, has not been established before the rig move.
- 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.

4. The record of the drilling rate along with the GR/N well log run from TD of the vertical portion of hole to surface shall be submitted to the BLM office as well as all other logs run on the borehole 30 days from completion. If available, a digital copy of the logs is to be submitted in addition to the paper copies. The Rustler top and top and bottom of Salt are to be recorded on the Completion Report.

B. CASING

Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.).

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

Wait on cement (WOC) time prior to drilling out for a primary cement job will be a minimum 18 hours for a water basin, 24 hours in the potash area, or 500 pounds compressive strength, whichever is greater for all casing strings. DURING THIS WOC TIME, NO DRILL PIPE, ETC. SHALL BE RUN IN THE HOLE. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. IF OPERATOR DOES NOT HAVE THE WELL SPECIFIC CEMENT DETAILS ONSITE PRIOR TO PUMPING THE CEMENT FOR EACH CASING STRING, THE WOC WILL BE 30 HOURS. 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.

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

- 1. The **13-3/8** inch surface casing shall be set at approximately **905** feet (a minimum of 25 feet into the Rustler Anhydrite and above the salt) and cemented to the surface.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.

- b. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry.
- c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
- d. If cement falls back, remedial action will be done prior to drilling out that string.

Intermediate casing shall be kept fluid filled while running into hole to meet BLM minimum collapse requirements.

2. The minimum required fill of cement behind the **9-5/8** inch intermediate casing is: (Ensure casing is set in the Lamar at approximately 4350')

Cement to surface. If cement does not circulate see B.1.a, c-d above.

3. The minimum required fill of cement behind the 5-1/2 inch production casing is:

Cement should tie-back at least 500 feet into previous casing string. Operator shall provide method of verification.

Operator has proposed a contingency DV tool at 5500'. If operator circulates cement on the first stage, operator is approved to run the DV tool cancellation plug and cancel the second stage of the proposed cement plan. If cement does not circulate, operator will proceed with the second stage.

a. Second stage above DV tool:

Cement should tie-back at least 500 feet into previous casing string. Operator shall provide method of verification.

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.

C. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53 Sec. 17.

- 2. Variance approved to use flex line from BOP to choke manifold. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor. If the BLM inspector questions the straightness of the hose, a BLM engineer will be contacted and will review in the field or via picture supplied by inspector to determine if changes are required (operator shall expect delays if this occurs).
- 3. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **3000 (3M)** psi.
 - a. **For surface casing only:** If the BOP/BOPE is to be tested against casing, the wait on cement (WOC) time for that casing is to be met (see WOC statement at start of casing section). Independent service company required.
- 4. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - a. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead when specified), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).
 - b. The tests shall be done by an independent service company utilizing a test plug **not a cup or J-packer**. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to Onshore Order 2 with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for water basin (18 hours) or potash (24 hours) or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).
 - c. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock.

- d. The results of the test shall be reported to the appropriate BLM office.
- e. 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.
- f. 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. This test shall be performed prior to the test at full stack pressure.

D. DRILL STEM TEST

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

E. WASTE MATERIAL AND FLUIDS

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

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

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