Submit 3 Copies To Appropriate District Office District I State of New Mexico Energy, Minerals and Natural Resources	Form C-103 May 27, 2004
1625 N. French Dr., Hobbs, NM 88240	WELL API NO.
District II 1301 W. Grand Ave., Artesia, NM 88210 OIL CONSERVATION DIVISION	30-025-20528 5. Indicate Type of Lease
District III 1220 South St. Francis Dr. 1000 Rio Brazos Rd., Aztec, NM 87410	STATE FEE
District IV Santa Fe, NW 8/303	6. State Oil & Gas Lease No.
1220 S. St. Francis Dr., Santa Fe, NM 87505	B-2519
SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A	7. Lease Name or Unit Agreement Name
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH	Vacuum Abo Unit Tract 6F Battery 4
PROPOSALS.) 1. Type of Well: Oil Well Gas Well Other Injection	8. Well Number 68
2. Name of Operator	9. OGRID Number
ConocoPhillips Company ATTN: Celeste Dale 3. Address of Operator	217817 10. Pool name or Wildcat
4001 Penbrook Street Odessa, Texas 79762	Vacuum Abo Reef
4. Well Location	
Unit Letter H : 1,735_feet from the North line and 990	feet from theEastline
Section 34 Township 17-S Range 35-E	NMPM County Lea
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3,933' GL	
Pit or Below-grade Tank Application Or Closure	
Pit type_STEELDepth to Groundwater_67'Distance from nearest fresh water well_1/8 mile	Distance from nearest surface waterN/A
Pit Liner Thickness: STEEL mil Below-Grade Tank: Volume 180 bbls; Co	nstruction Material STEEL
12. Check Appropriate Box to Indicate Nature of Notice, I	Report or Other Data
NOTICE OF INTENTION TO: SUBS	SEQUENT REPORT OF:
PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☒ REMEDIAL WORK	
TEMPORARILY ABANDON CHANGE PLANS COMMENCE DRIL	=
PULL OR ALTER CASING	JOB 📙
13. Describe proposed or completed operations. (Clearly state all pertinent details, and	
of starting any proposed work). SEE RULE 1103. For Multiple Completions: Atta or recompletion.	ach wellbore diagram of proposed completion
or recompletion.	
SEE ATTACHED WELLBORE DIAGRAMS & PROPOSED PLUGGING PROCEDU	URE
	15 15 B
TIP AL ARIATRIATIAN DUMALAN SUITA	
THE OIL CONSERVATION DIVISION MUST	
BE NOTIFIED 24 HOURS PRIOR TO THE	A TO
BEGINNING OF PLUGGING OPERATIONS.	87178
	* Stranger and A Park
I hereby certify that the information above is true and complete to the best of my knowledge grade tank has been/will be constructed or closed perfection to NMOCD guidelines \(\sigma\), a general permit \(\sigma\)	and belief. I further certify that any pit or below-
	•
	E. (Triple N Services) DATE 03/09/06
Type or print name James F. Newman E-mail address: jim@triplens For State Use Only Depresentative II/ST	ervices com Gelephone No. 432-687-1994
OC FIELD REPRESENTATIVE TO	MAR 2 1 2mms
APPROVED BY: Zau W. Wards TITLE Conditions of Approval (if Any):	DATEDATE
Conditions of Approval (Hally).	

WELLBORE SKETCH

ConocoPhillips Company -- Permian Basin Business Unit

Date: February 7, 2006

RKB @ 3944' DF @ 3943' GL @ 3933'

Subarea: Buckeye Vacuum Abo Unit Lease & Well No. : No. 06W68 Legal Description : 1735' FNL & 990' FEL, Sec. 34, T-17-S, R-35-E County: State : New Mexico Field: Vacuum (Abo Reef) Date Spudded: Rig Rel: July 11, 1963 June 8, 1963 API Number : 30-025-20528 Status: Temporarily Abandoned

17-1/2" Hole

13-3/8" 48# H-40 @ 344' w/ 350 sx, circ.

Stim	ulation	History	: :

11" Hole	Interval	<u>Date</u>	Туре	Gals	Lbs. <u>Sand</u>	Max <u>Press</u>	<u>ISIP</u>	Max Rate	<u>Down</u>
		7/15/63	Perf Abo 8700'-8889' (s	,					
TOC 5-1/2" csg @ 1,650'	8700-8885	7/16/63	15% Reg Acid	1,000		1100	Vac	3.5	
		2/24/73	Plug back w/Hydromite	plug 8819	9' to 8759	'			
		3/3/73	Plug back with Hydromi	ite plug 87	759' to 87	17'			
Top of Salt @ +/- 2,112'		12/1/78	Shut-In						
		6/20/79	Run CBL - TOC 5-1/2"	csg at 400	08'				
,		.6/26/79	Shut-in						
		9/19/79	Perf csg at 3900' - cmt	with 160 s	x; TOC @	0 1650'			
TOC 8-5/8" csg @ 2,600' by T.S.		2/22/85	Cleanout 8717' to 895	7'					
		2/28/85	Perf 1 JSPF spiral phas	ing 8698'	to 8909',	139 shot	s (sele	ct fire)	
	8698-8909	3/4/85	28% NEFE HCI	14,300	125 BS	3950	Vac	8.5	
Base Salt @ 2,950' est.		4/24/85	Convert to water injection	on @ 180	0 BWPD,	vac pres	sure		
		10/12/90	Fish tubing and packer	•					
			Tag fill @ 8862' - place	back on i	niection				
			Failed MIT test - last inj		•)			
8-5/8" 24# J-55 @ 3,400' w/ 400 sx			Tag fill @ 8720', COOH				its		
3 ,			for kill string				•		
			9						

Perf @ 3,900' - Sqz w/160 sx cmt TOC @ 3,950' (T.S.) - TOC @ 1,650' after squeeze

7-7/8" Hole

477.0	B. 177.75				
==	==	8698-8706	(3/85 8 shots)		
XX	XX	8700-8706			
==	==	8709-8727	(3/85 18 shots)		
==	==	8738-8740	(3/85 2 shots)		
XX	XX	8734-8745	Hydromite Plug @ 8759'-8717' - cleaned out	Formation Top)S:
==	==	8744-8752	(3/85 8 shots)	Rustler	1
==	==	8757-8763	(3/85 6 shots)	Top Salt	2
==	==	8766-8767	(3/85 1 shot)	Yates	2
==	==	8771-8809	(3/85 38 shots)	Base Salt	3
XX	XX	8780-8806	Hydromite plug @ 8819'-8759' - cleaned out	Queen	3
==	==	8829-8831	(3/85 2 shots)	Grayburg	4
==	==	8837-8876	(3/85 39 shots)	San Andres	4
XX	XX	8838-8850		Glorieta	€
XX	XX	8860-8876		Clearfork	ε
XX	XX	8880-8885		Abo	8
==	==	8881-8895	(3/85 14 shots)		
==	==	8904-8906	(3/85 2 shots)		
699	1999				

5-1/2" 14 & 15.5# J-55 ST&C @ 9,000' w/ 495 sx

een 4155' ayburg n Andres 4543' 6205' rieta arfork 6342' 8690'

1631' 2120' +/-

2947

3000' +/-3862

PBTD: 8957 TD: 9000'



ConocoPhillips

Proposed Plugging Procedure

Vacuum Abo Unit Tract 6F, Battery 4 #68 Vacuum Abo Reef Field Lea County, New Mexico API #42-025-20528



Casings:

13%" 48# casing @ 344', cmt'd w/ 350 sx, circulated

85/8" 24# casing @ 3,400' cmt'd w/ 400 sx, TOC 2,600' by T.S.

5½" 14 & 15.5# casing @ 9.000' cmt'd w/ 495 sx. TOC 3.950' by T.S.: sgz'd @

3,900', TOC 1,650' after squeeze

perforations 8,698 - 8,906'

- 20 jts in hole as kill string
- Notify BLM & NMOCD 48 hrs prior to move in, and 4 hrs prior to plugs
- Hold daily tailgate safety meetings w/ crews
- Contact NM Digtess (1-800-321-2537, Account # 6778) minimum 48 hrs prior to move-in
- 1. Set steel pit and flow down well as needed. MIRU plugging equipment. ND wellhead and NU 6" 3,000# manual BOP. POOH w/ kill string.
- 2. RU wireline and RIH w/ gauge ring for 5½" 15.5# casing to 8,650', POOH w/ gauge ring.
- 3. RIH w/ HM tbg-set CIBP on 2%" workstring to 8,648'. RU cementer and set CIBP @ 8,648'. Circulate hole w/ 10 ppg plugging mud, pump 25 sx C cmt (1.32 ft³/sk yield, 33.0 ft³ slurry volume, calculated fill 241' in 5½" 14# casing) 8,648 8,407'. **Abo plug**
- 4. POOH w/ tubing to 6,200'. Load hole w/ plugging mud, pump 25 sx C cmt (1.32 ft³/sk yield, 33.0 ft³ slurry volume, calculated fill 241' in 5½" 14# casing) 6,200 5,959'. Glorieta plug
- 5. POOH w/ tubing to 4,100' and pump 25 sx C cmt (1.32 ft 3 /sk yield, 33.0 ft 3 slurry volume, calculated fill 241' in 5½" 14# casing) 4,100 3,859'. **San Andres plug**
- **6.** POOH w/ tubing to 3,450' and pump 25 sx C cmt w/ 2% CaCl₂ (1.32 ft³/sk yield, 33.0 ft³ slurry volume, calculated fill 241' in 5½" 14# casing) 3,450 3,209. WOC & TAG this plug no deeper than 3,350'. *Intermediate shoe plug*
- 7. POOH w/ tubing to 3,050' and pump 25 sx C cmt (1.32 ft 3 /sk yield, 33.0 ft 3 slurry volume, calculated fill 241' in 5½" 14# casing) 3,050 2,809. **base of salt plug**
- 8. RU lubricator and RIH w/ wireline, perforate 5½" & 8%" casings @ 2,112' w/ four 2½" stripjet charges. POOH w/ wireline.
- 9. RIH w/ AD-1 packer to 1,800'. Load hole w/ mud, set packer, and establish rate into perforations at 1,500 psi or less. Squeeze 70 sx C cmt w/ 2% CaCl₂ (1.32 ft³/sk yield, 92.4

- ft³ slurry volume, calculated fill 140' in 11" open hole) 2,112 1,972'. WOC & tag this plug no deeper than 2,012'. *Top of Salt plug*
- **10.** RU lubricator and RIH w/ wireline, perforate 5½" & 85%" casings @ 394' w/ four 2½" strip-jet charges. POOH w/ wireline.
- 11. RIH w/ AD-1 packer to 90'. Load hole w/ mud, set packer, and establish rate into perforations at 1,000 psi or less. Squeeze 115 sx C cmt w/ 2% CaCl₂ (1.32 ft³/sk yield, 152 ft³ slurry volume, calculated fill 230' in 11" open hole) 394 164'. WOC & tag this plug no deeper than 294'. Surface casing plug
- **12.** RU lubricator and RIH w/ wireline, perforate 5½" & 8½" casings @ 50' w/ four 2½" strip-jet charges. POOH w/ wireline.
- 13. ND BOP & NU wellhead. Establish circulation in 5½ x 8¾ and 8¾ x 13¾ annuli via perforations @ 50', circulate 40 sx C cmt (1.32 ft³/sk yield, 52.8 ft³ slurry volume, calculated fill 59' in 13¾ 48# casing) 50' to surface. *surface plug*
- 14. RDMO location.
- **15.** Clean steel pit & haul fluids to disposal. Cut off wellhead and anchors, install dry hole marker. Level location. Leave location clean and free of trash.



PROPOSED PLUGGED WELLBORE SKETCH

ConocoPhillips Company -- Permian Basin Business Unit

March 8, 2006

RKB @ 3944' DF @ 3943' GL @ 3933

<i>224///2</i> 24	40 sx C cmt 50

60' to surface perf & sqz

17-1/2" Hole

13-3/8" 48# H-40 @ 344' w/ 350 sx, circ.

115 sx C cmt 394 - 294' perf & sqz TAG

25 sx C cmt 3,450 - 3,350' WOC & TAG

TOC @ 3,950' (T.S.) - TOC @ 1,650' after squeeze

Perf @ 3,900' - Sqz w/160 sx cmt

25 sx C cmt 4.100 - 3.859'

Subarea: Lease & Well No. : Legal Description : County:

Field: Date Spudded : API Number :

Status:

B| V| 17 Le V| J| 30 P|

uckeye			20
acuum Abo Ur	nit	No. 06W68	7,0/
735' FNL & 990	0' FEL, Sec	. 34, T-17-S, R-35-E	307
ea	State:	New Mexico	7.1.6%
acuum (Abo R	eef)		
une 8, 1963	Rig R	el: July 11, 1963	
0-025-20528			
roposed Plugg	ed		

Stimulation	History:
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11" Hole	Interval	Date	Туре	<u>Gals</u>	Lbs. <u>Sand</u>	Max <u>Press</u>	<u>ISIP</u>	Max <u>Rate</u>	<u>Down</u>
		7/15/63	Perf Abo 8700'-8889' (s	elect fire)					
TOC 5-1/2" csg @ 1,650'	8700-8885	7/16/63	15% Reg Acid	1,000		1100	Vac	3.5	
		2/24/73	Plug back w/Hydromite	plug 8819	9' to 8759	'			
		3/3/73	Plug back with Hydromi	te plug 87	759' to 87	17'			
Top of Salt @ +/- 2,112*		12/1/78	Shut-In						
70 sx C cmt 2,112 - 2,012' perf & sqz TAG		6/20/79	Run CBL - TOC 5-1/2"	csg at 400	08'				
, , ,		6/26/79	Shut-in						
		9/19/79	Perf csg at 3900' - cmt	with 160 s	x; TOC (g 1650'			
TOC 8-5/8" csg @ 2,600' by T.S.		2/22/85	Cleanout 8717' to 895	7'					
		2/28/85	Perf 1 JSPF spiral phas	ing 8698'	to 8909',	139 shot	s (sele	ct fire)
	8698-8909	3/4/85	28% NEFE HCI	14,300	125 BS	3950	Vac	8.5	
Base Salt @ 2,950' est.		4/24/85	Convert to water injection	on @ 180	0 BWPD,	vac pres	sure		
25 sx C cmt 3,050 - 2,809'		10/12/90	Fish tubing and packer						
		11/27/90	Tag fill @ 8862' - place	back on i	njection				
		7/15/05	Failed MIT test - last in	ection 10	25 BWPC)			
8-5/8" 24# J-55 @ 3,400' w/ 400 sx		11/17/05	Tag fill @ 8720', COOH	l laying do	own tubin	g. Left 20) jts		



for kill string

PROPOSED PLUGGING PROCEDURE

- CIBP @ 8,648' w/ 25 sx C cmt 8,648 8,407'
- 25 sx C cmt 6,200 5,959'
- 25 sx C cmt 4,100 3,859'
- 25 sx C cmt 3,450 3,350' WOC & TAG
- 25 sx C cmt 3,050 2,809'
- 70 sx C cmt 2,112 2,012' perf & sqz TAG
- 115 sx C cmt 394 294' perf & sqz TAG
- 40 sx C cmt 50' to surface perf & sqz

-1/2" 11.6# csg:	11.468	ft/ft3	0.0872	ft3/ft
5-1/2" 14# csg:	7.299	ft/ft3	0.1370	ft3/ft
5-1/2" 17# csg:	7.661	ft/ft3	0.1305	ft3/ft
7" 20# csg:	4.399	ft/ft3	0.2273	ft3/ft
7" 24# csg:	4.567	ft/ft3	0.2189	ft3/ft
7-5/8" 26.4# csg:	3.775	ft/ft3	0.2648	ft3/ft
8-5/8" 32# csg:	2.922	ft/ft3	0.3422	ft3/ft
9-5/8" 36# csg:	2.304	ft/ft3	0.4340	ft3/ft
10-3/4" 40.5# csg:	1.815	ft/ft3	0.5508	ft3/ft
13-3/8" 48# csg:	1.134	ft/ft3	0.8817	ft3/ft
7-7/8" openhole:	2.957	ft/ft3	0.3382	ft3/ft
3-3/4" openhole:	2.395	ft/ft3	0.4176	ft3/ft
11" openhole:	1.515	ft/ft3	0.6600	ft3/ft
12-1/4" openhole:	1.222	ft/ft3	0.8185	ft3/ft

ı						
١	<u>Capacities</u>					
١	4-1/2" 11.6# csg:	11.468	ft/ft3	0.0872	ft3/ft	
I	5-1/2" 14# csg:	7.299	ft/ft3	0.1370	ft3/ft	
١	5-1/2" 17# csg:	7.661	ft/ft3	0.1305	ft3/ft	
١	7" 20# csg:	4.399	ft/ft3	0.2273	ft3/ft	
1	7" 24# csg:	4.567	ft/ft3	0.2189	ft3/ft	
Ì	7-5/8" 26.4# csg:	3.775	ft/ft3	0.2648	ft3/ft	
١	8-5/8" 32# csg:	2.922	ft/ft3	0.3422	ft3/ft	
١	9-5/8" 36# csg:	2.304	ft/ft3	0.4340	ft3/ft	
	10-3/4" 40.5# csg:	1.815	ft/ft3	0.5508	ft3/ft	
ı	13-3/8" 48# csg:	1.134	ft/ft3	0.8817	ft3/ft	
1	7-7/8" openhole:	2.957	ft/ft3	0.3382	ft3/ft	
١	8-3/4" openhole:	2.395	ft/ft3	0.4176	ft3/ft	
١	11" openhole:	1.515	ft/ft3	0.6600	ft3/ft	
١	12-1/4" openhole:	1.222	ft/ft3	0.8185	ft3/ft	
ı						

Rustler 1631'	Formation Tops	<u>3:</u>
Ton Calt 21201 //	Rustler	1631'
10p Sait 2120 +/-	Top Salt	2120' +/-
Yates 2947'	Yates	2947'
Base Salt 3000' +/-	Base Salt	3000' +/-
Queen 3862'	Queen	3862'
Grayburg 4155'	Grayburg	4155'
San Andres 4543'	San Andres	4543'
Glorieta 6205'	Glorieta	6205'
Clearfork 6342'	Clearfork	6342'
Abo 8690'	Abo	8690'

4	200	262
200000		

25 sx C cmt 6,200 - 5,959'

7-7/8" Hole

CIBP @ 8,648' w/ 25 sx C cmt 8,648 - 8,407'

8698-8706 (3/85 8 shots) XX ХX 8700-8706 == 8709-8727 (3/85 18 shots) == 8738-8740 (3/85 2 shots) XX ХX 8734-8745 Hydromite Plug @ 8759'-8717' - cleaned out 8744-8752 (3/85 8 shots) == == 8757-8763 (3/85 6 shots) == == 8766-8767 (3/85 1 shot) 8771-8809 == (3/85 38 shots) XX Hydromite plug @ 8819'-8759' - cleaned out ХX 8780-8806 == 8829-8831 (3/85 2 shots) == 8837-8876 (3/85 39 shots) ХX ХX 8838-8850 ХX ХX 8860-8876 8880-8885 XX ХX 8881-8895 (3/85 14 shots) 8904-8906 (3/85 2 shots)

5-1/2" 14 & 15.5# J-55 ST&C @ 9,000' w/ 495 sx

PBTD: 8957' TD: 9000'