Submit 3 Copies To Appropriate District	State of New	Mexico			Forn	n C-103
Office District I	Energy, Minerals and N	Vatural Resources				y 27, 2004
1625 N French Dr , Hobbs, NM 88240			WELL AP	'I NO.		
District II	OIL CONSERVATI	ON DIVISION		·		25-02890
1301 W. Grand Ave , Artesia, NM 88210 District III	1220 South St. F			e Type of Leas		
1000 R10 Brazos Rd , Aztec, NM 87410	Santa Fe, NM			ATE 🛛	FEE]
<u>District IV</u> 1220 S St. Francis Dr , Santa Fe, NM	Santa Fe, Niv	1 87505	6. State O B-1	il & Gas Lease	e No.	
87505			B-1	482		
SUNDRY NOT (DO NOT USE THIS FORM FOR PROPO DIFFERENT RESERVOIR USE "APPLIC PROPOSALS)		R PLUG BACK TO A	East Vac	ame or Unit A Cuum GB/SA		
1. Type of Well: Oil Well	Gas Well 🔲 Other		8. Well N	umber (002W -	
2. Name of Operator			9. OGRID	Number		
· ·	llips Company ATTN: Celest	te Dale		2	217817	
3. Address of Operator			10. Pool n	ame or Wildca	at	_
3303 N. "A	" Street, Bldg. 6 #247, Midlan	nd, Texas 79705-5406	Vacu	um (Graybu	rg – San A	Andres)
4. Well Location	<u></u>					
Unit Letter H :	1,980 feet from the	North line and	d 660 f	feet from the	East	line
Section 27	Township 17-S	Range 35-E	NMPN			lea
	11. Elevation (Show whether			A STATE OF STATES		
1 Start & Starten	3,935' GL; 3,9		·			
Pit or Below-grade Tank Application 🛛 o	r Closure					
Pit typeSTEEL Depth to Gro	andwater Distance from neares	t fresh water well Dista	nce from neare	st surface water	N/A	_
Pit Liner Thickness: STEEL m	il Below-Grade Tank: Volume	180 bbls;	Construction M	aterial S	TEEL	
12 Charles	Annoprioto Dov to Indiant	a Natura of Natioa	Papart or	Other Data		
12. Check 7	Appropriate Box to Indicate	e nature of notice,	Report or	Other Data		
NOTICE OF IN PERFORM REMEDIAL WORK	ITENTION TO: PLUG AND ABANDON A CHANGE PLANS	SUE REMEDIAL WOF COMMENCE DR	ĸ	_	RING CAS	
PULL OR ALTER CASING	MULTIPLE COMPL	CASING/CEMEN	IT JOB			
OTHER:		OTHER:		PLUG	BACK	
 Describe proposed or comp of starting any proposed we or recompletion. 	leted operations. (Clearly state ork). SEE RULE 1103. For Mu					
SEE ATTACHED PROPOSE	D PLUGGING PROCEDURI	E, CURRENT & PRO	POSED PL	UGGED DIA	GRAMS	
			CEN	VEN		
			FEB 2 0 20	308		
THE OIL CONSERVATION DIVIS BE NOTIFIED 24 HOURS PRIOR BEGINNING OF PLUGGING OPE	TOTHE	HC	BBS	OCD	i	
I hereby certify that the information	shove is true and complete to the	hast of my knowled	and halief	I funth ou cout	that any -	it or helew
grade tank has been/will be constructed or	closed according to NMOCD guideling	nes 🛛, a general permit 🗌	ge and bellet.] or an (attache	d) alternative OC	cnat any p D-approve	d plan .

SIGNATURE_

TITLE James F. Newman, P.E. (Triple N Services) DATE 02/19/08

Type or print name For State Use Only

his Williams

E-mail address: jim@triplenservices.com Telephone No. 432-687-1994

OC DISTRICT SUPERVISOR/GENERAL MANAGER

TITLE

_dat <u>MAR 1 2 2008</u>

APPROVED BY: Conditions of Approval (if any):

WELLBORE SKETCH ConocoPhillips Company - Lower 48 - Mid-Continent BU / Permian Operations

Date Feb 18, 2008 RKB @ _ 3945 DF @ 3944 _ Subarea Buckeye GL @ 3935 Lease & Well No East Vacuum GB/SA Unit, Tract 2720, Well No 002W Legal Description . 1980' FNL & 660' FEL, Sec 27, T-17-S, R-35-E, Unit letter H 12-1/4" Hole County Lea State 1 New Mexico (Grayburg-San Andres) Field Vacuum Rig Released 5/3/39 Date Spudded 3/28/39 DV Tool @ 270' API Number . 30-025-02890 Cmt'd w/200 sx Status Drilled as Cities Service State K No. 2 State Lease No. B-1482 Stimulation History: Max Max Lbs. <u>Interval</u> Date Туре Gais Sand Press ISIP Rate Down Drill with rotary tools to 4625' 3/28/39 8-5/8" Csg set at 1650' and cmt'd with a multiple stage job, 150 sax on btm and 200 sax thru the cementer tool. OH 4200-4626 9/2/72 Gelled 9 8# Brine Wtr 15,000 22,000 3800 1800 28 1 15% NE 500 Gelled 9 8# Brine Wtr 20,000 30,000 4200 2000 25 9 TOC 8-5/8" Csg @ 1221' (Calc.) 15% HCI NEFE LST 5,000 4800# RS 2400 2000 3 5 10/18/90 OH 4200-4626 10/23/90 Isolate casing leak from 1832' - 1752' Squeeze casing leak 1752'-1832' w/1800 sx Class C Neat 10/29/90 Top of Salt @ +/- 1,750' 11/13/90 Found leak in csg collars under head 10/30/92 Deepen 15' to 4640' OH 4200-4626 11/3/92 15% NEFE HCL 3,000 3500# RS 2300 1872 40 8-5/8" 27# casing @ 1650' 11/6/92 Isolate casing leak from 1758' to 1820' Cmt'd w/150 sx around shoe Squeeze casing leak 1758-1820' w/ 300 sx 11/9/92 TOC @ 1221' (Calc) 4,500 4300# RS 2500 1762 4.3 Sqz csg lk @ 1700'-1918' w/ 700 sx OH 4200-4626 7/4/94 15% HCI Isolate casing leak from 1918' to 1700' 8/20/96 Sqz csg lk @ 1758-1820' w/ 300 sx Squeeze casing leak 1700'-1918' w/ 700 sx Sqz csg ik @ 1752'-1820' w/1800 sx 8/21/96 1828 47 CASING LEAK F/ 1742'-1774' 8/24/96 15% NEFE HCI 3,000 2500# RS 9/17/96 Convert to water injection 2/15/08 Set 5-1/2" RBP @ 4150' with 10' sand on top isolate casing leak from 1742' - 1774' 2/15/08 Base Salt @ +/- 2,880' TOC 5-1/2" Csg @ 3171' (Calc.) 5-1/2" RBP @ 4150' w/10' sand on top -7-7/8" Hole Formation Tops: 5-1/2" 17# SS Csg @ 4200' Rustler Cemented w/ 150 sx cmt Yates TOC @ 3171' (Calc.) 7 Rivers Glorieta San Andres 4-3/4" Hole OPENHOLE 4200' - 4640' PBTD, 4150' OTD 4625

NTD@ 4640'



ConocoPhillips Company

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Proposed Plugging Procedure

East Vacuum GB/SA Tract 2720 #002W API #30-025-02890 Vacuum (Grayburg – San Andres) Lea County, New Mexico

See attached wellbore diagrams for wellbore configuration

 Casings
 8%" 28# casing @ 1,650' cmt'd w/ 2 stages.
 1st stage 150 sx.
 TOC @ 1,221

 (Calc.)
 2nd stage:
 DV Tool @ 270', cmt'd w/ 200 sx.
 TOC @ surface.

 5½"
 17# casing @ 4,200' cmt'd w/ 150 sx.
 TOC @ 3,171'.
 (Calc.)

 Perforations
 none, openhole 4,200 – 4,640'
 none

- Verify anchors tested within last two years
- Notify NMOCD & BLM 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. Deliver 4,200' of 23/3" workstring.
- MIRU plugging equipment. ND wellhead and NU 6" 3,000# manual BOP. RIH w/ on/off tool on 4,140' of 2%" workstring. NU JU stripper head and RU pump truck, reverse circulate sand off RBP. Latch on to RBP, release, and POOH w/ RBP
- **3.** RIH w/ 5½" HM tubing-set CIBP to 4,150'. RU cementer and set CIBP @ 4,150'. Displace hole w/ 95 bbls plugging mud, and pump 25 sx C cmt (1.32 ft³/sk yield, 33 ft³ slurry volume, calculated fill 253' in 5½" 17# casing) balanced plug 4,150 3,897'. POOH w/ workstring.
- 4. RU & test lubricator. RIH w/ wireline & perforate 51/2" casing @ 2,980'. POOH w/ wireline.
- RIH w/ 5½" AD-1 packer on workstring to ~2,500'. Load hole w/ plugging mud, set packer, and establish rate. Squeeze 40 sx C cmt w/ 2% CaCl₂ (1.32 ft³/sk yield, 52.8 ft³ slurry volume, calculated fill 156' in 7%" openhole). WOC & tag this plug no lower than 2,880'. PUH w/ packer to ~1,350'. *Base of Salt Plug*
- 6. RU & test lubricator. RIH w/ wireline & perforate 51/2" casing @ 1,750'. POOH w/ wireline.
- 7. Load hole w/ plugging mud, set packer, and establish rate. If rate is established into squeeze perforations at 1,500 psi or less, squeeze 50 sx C cmt w/ 2% CaCl₂ (1.32 ft³/sk yield, 66.0 ft³ slurry volume, calculated fill 188' in 85%" 28# csg). If squeeze rate is not established, RIH w/ tubing to 1,800' and pump 25 sx C cmt w/ 2% CaCl₂ (1.32 ft³/sk yield, 33.0 ft³ slurry volume, calculated fill 253' in 5½" 17# csg). WOC & tag this plug no lower than 1,600'. POOH w/ packer. Top of Salt and Surface Shoe Plug
- 8. SI BOP and pressure test 5¹/₂" casing to 1,000 psi. Release pressure.
- 9. RU & test lubricator. RIH w/ wireline and perforate 51/2" casing @ 320'. POOH w/ wireline.



- 10. If casing tested in #8, ND BOP & NU wellhead. Establish rate, circulate 90 sx C cmt (1.32 ft³/sk yield, 118.8 ft³ slurry volume, calculated fill 339' in 85%" 28# casing). If casing did not test in #6, RIH w/ packer and squeeze this plug under packer. Fresh Water and Surface *Plug*
- **11.** RDMO location.

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12. Cut off wellhead and anchors, install dry hole marker. Level location. Leave location clean and free of trash.

PROPOSED PLUGGED WELLBORE SKETCH ConocoPhillips Company - Lower 48 - Mid-Continent BU / Permian Operations

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Prepared by Triple N Services

DV Tool @ 270', cmt'd w/200 sx Date Spudded . 3/28/39 Rig Released 5/3/39 Perf/sqz 90 sx C cmt 320 - surface API Number 30-025-02890 Status Proposed Plugged Drilled as Cities Service State K No. 2 State Lease No. B-1482 Stimulation History:	935		Subarea : Lease & Well No Legal Description County .								
Stimulation History: Lbs. Max Mit Interval Date Type Gale Said Press ISP Res 3/28/30 Date Type Gale Said Press ISP Res 3/28/30 Diff with rotary tools to 4037 Said Care start 150/ and cent's with a mithing tools to 4037 Side Care start 150/ and cent's with a mithing tools to 4037 Said Care start 150/ and cent's with a mithing tools to 28 0H 4200-4626 90/72 Gale Said Bit Brow With 15000 22,000 3000 1800 22 5.46* 21# casing @ 150* OH 4200-4626 10/16800 Squeeze casing leak from 178* to 1820 21680 1872 40 1002300 Despen 16 to 4470 300 200 RS 2300 1872 40 1002300 1872 40 1002300 Despen 16 to 4470 300 200 RS 2300 1872 40 1002400 1002300 Despen 16 to 4470 300 200 RS 2300 1872 40 1002400 Squeeze casing leak from 178* to 1820 1872 40 1002400 Squeeze (asing leak from 1742* 1774* 1680 200 RS <th></th> <th>API Number Status</th> <th colspan="6">Vacuum (Grayburg-San Andres) 3/28/39 Rig Released 5/3/39 30-025-02890 5/3/39 5/3/39</th> <th></th>			API Number Status	Vacuum (Grayburg-San Andres) 3/28/39 Rig Released 5/3/39 30-025-02890 5/3/39 5/3/39							
Interval Date Lbs. Max Max Max Interval Date Type Gale Said Press ISP Re 3/28/30 Dni with rolary tools to 4025' 5-87° Cs g at 150° and cm1d with a multiple step Job, for a so to thin and 20 so tool Said 100° 22000 Said 100° 22000 Said 100° 2200 2000 25 0H 4200-4626 92/72 Gale Said 100° 2200 2500 100° 2200 2500 100° 2200 2500 100° 2200 2500 100° 2200 2500 100° 2200 2500 100° 2200 2500 100° 2200 100° 200 2500 100° 2200 100° 200 10° 200					e K NO. 2	Stati	e Lease NO.	8-14	482		
Base Sait @ +1-2,80" 0H 4200-4626 9/272 Geleie 9.86 mer Wrt 3.500 22.000 38.00 150 as not main 200 as X for the cementer fool. Geleie 9.86 mer Wrt 3.500 22.000 38.00 150 X = 0.00 22.000 38.00 150 X = 0.00 22.000 30.00 42.00 2000 31 6.56* 27# casing @ 150' 0H 4200-4626 107.800 15% H-Cl Nether List 5.000 42.000 2000 31 2000 11000 1000 30 2000 11000 1000 30 <th></th> <th></th> <th>-</th> <th></th> <th>Туре</th> <th>Gals</th> <th>_</th> <th></th> <th></th> <th>Max <u>Rat</u></th>			-		Туре	Gals	_			Max <u>Rat</u>	
OH 4200-4626 9/2/72 Gelled 9 & Bone Wir 15,000 22,000 3800 1800 28 TOC 6-5/6" Csg @ 1221' (Calc.) OH 4200-4626 10/1300 150 M EFE LST 5,000 4000 RS 24:00 2000 25 8-5/6" 27# casing @ 160' OH 4200-4626 10/1300 1solate casing lask Tom 1832" wir800 sx Class C Next TOC 6-5/6" Csg @ 1221' (Calc.) OH 4200-4626 10/1300 1solate casing lask Tom 1832" wir800 sx Class C Next Top of Satt @ +1.750' OH 4200-4626 Toy of Satt @ +1.750' 3,000 3500 ars 2300 1872 4 U Squeeze casing leak T782-1820' wi 300 sx OH 4200-4626 11/1392 1solate casing lask Trom 1978' to 1780' 156 NEFE HCI 3,000 3500 ars 3000 sx Squeeze casing leak T782-1820' wi 300 sx Casink G LEAK F/ 1782-1774' 91/1592 Squeeze casing leak Trom 1978' wi 700 sx 3000 2500 rS 1826 156 NEFE HCI 3,000 2500 rS 1826 162 Ars 156 NEFE HCI 3,000 2500 rS 1826 156 NEFE HCI 15				3/28/39	8-5/8" Csg set at 16	50' and c				ob,	
Colspan="2">Colspan="2" Supersormal structure Colspan="2">Colspan="2" Colspan="2">Colspan="2" Colspan="2" Colspan="2" <td co<="" td=""><td></td><td></td><td>OH 4200-4626</td><td>9/2/72</td><td>Gelled 9,8# Brine Wti</td><td>15,000</td><td></td><td></td><td></td><td>28</td></td>	<td></td> <td></td> <td>OH 4200-4626</td> <td>9/2/72</td> <td>Gelled 9,8# Brine Wti</td> <td>15,000</td> <td></td> <td></td> <td></td> <td>28</td>			OH 4200-4626	9/2/72	Gelled 9,8# Brine Wti	15,000				28
8-86" 27# casing @ 1650' Squeeze casing [iselt 752-1632' w1800 sx Class C Next Cord w150 x x round lask in cg collars under head Doopen 156 a 6460' Top of Salt @ +*: 1,750 OH 4200-4626 Squeeze casing liesk from 1758' to 1820' 11/962 Squeeze casing liesk from 1958' to 1700' 400 as 0 a		TOC 8-5/8" Csg @ 1221' (Calc.)	OH 4200-4626		Gelled 9 8# Brine Wti 15% HCI NEFE LST	20,000 5,000	4800# RS				
OH 4200-4626 11/1/92 15% NEFE HCI 3.000 3500# RS 2300 172 4 0 Image: Set Control 1.1750 - 1.600' WOO & TAG 11/1/92 <t< td=""><td></td><td></td><td></td><td>10/29/90</td><td>Squeeze casing leai</td><td>k 1752'-1</td><td>832' w/1800</td><td>sx Clas</td><td>s C Nea</td><td>t</td></t<>				10/29/90	Squeeze casing leai	k 1752'-1	832' w/1800	sx Clas	s C Nea	t	
Sign csg lk @ 1750-1582 w/ 200 sx OH 4200-4626 7/494 15% HCI 4.500 4.50		-	ОН 4200-4626	11/3/92	15% NEFE HCI			2300	1872	4 0	
Size csg ik @ 1752-1820* w/1600 sx CASING LEAK F/ 1742-1774* 8/2/196 Squares casing leak 1700-1918* w/ 1700 sx 15% NEFE HCI 3.000 2500# RS 18/28 4 9/17/56 Set 5-1/2* RBP @ 4150* with 10* sand on top 2/15/08 Set 5-1/2* RBP @ 4150* with 10* sand on top 2/15/08 18/24 96 Base Sait @ +/- 2,880* H 2,880* WOC & TAG PROPOSED PLUGGING PROCEDURE 1 'pull RBP Image: same casing leak 1700* 1742* - 1774* 2015/08 Set 5-1/2* RBP @ 4150* with 10* sand on top 2/15/08 Set 5-1/2* RBP @ 4150* with 10* sand on top 2/15/08 Base Sait @ +/- 2,880* WOC & TAG Image: same casing leak 1700* reculate hole w/ plugging mud 3) 225 sx C cmt 4,150 - 3,897* 4) Perfisqz 40 sx C cmt 2,980 - 2,880* WOC & TAG Image: same casing leak 1700* 1700 - 1,600* WOC & TAG 5) Perfisqz 40 sx C cmt 2,980 - 2,880* WOC & TAG Image: same casing leak 1700* 1,500* WOC & TAG 6) Perfisqz 40 sx C cmt 2,980 - 2,880* WOC & TAG Image: same casing leak 1700* 0,000* RB Image: same casing leak 1700* 1,500* WOC & TAG 70C 5-1/2** Csg @ 3171* (Calc.) Capacities Sin 7,661 ft/ft3 0 1305 ft3/ft 8 Full RBP, set CIBP @ 4,150* carculate plugging mud Sin 7,676* plub l 0.624 bb/ft 7.78* Hole 5,12** 17# SS Csg @ 4200*<		Top of Sait @ +/- 1,750' Sqz csg lk @ 1700'-1918' w/ 700 sx	 OH 4200-4626	7/4/94	15% HCI	4,500	4300# RS		1762	43	
21/5/08 Set 5-1/2* RBP @ 4150' with 10' sand on top Isolate casing leak from 1742' - 1774' Perf/sqz 40 sx C cmt 2,980' 2,880' WOC & TAG Perf/sqz 40 sx C cmt 2,980 - 2,880' WOC & TAG TOC 5-1/2* Csg @ 3171' (Catc.) Capacities Capacities Set Cmt 4,150 - 3,897'' Perf/sqz 40 sx C cmt 2,980 - 2,880' WOC & TAG TOC 5-1/2* Csg @ 3171' (Catc.) Capacities Start 4, 150 - 3,897'' Q is 50 sx C cmt 1,750 - 1,000' WOC & TAG Capacities S-1/2* 17# csg 7 661 ft/f13 0 1305 ft3/ft A 100 ft/bbit 0 0.022 bb/ft Box C cmt 4,150 - 3,897'' Perf/sqz 90 sx C cmt 1,750 - 1,000' WOC & TAG S 1/2* 17# csg 7 661 ft/f13 0 1305 ft3/ft A 100 ft/bbit 0 0.022 bb/ft Box C cmt 4,150 - 3,897'' Perf/sqz 90 sx C cmt 1,750 - 1,000' WOC & TAG S 1/2* 17# csg 7 661 ft/f13 0 1305 ft3/ft Box C cmt 4,150 - 3,897'' Pull RBP, set CIBP @ 4,150' urroulate plugging mud Eormation Tops: Pull RBP		Sqz csg lk @ 1752'-1820' w/1800 sx		8/21/96 8/24/96	Squeeze casing lead 15% NEFE HCI	k 1700'-1 3,000	918' w/ 700		1828	47	
Base Sait @ +/-2,880' Perf/sqz 40 sx C cmt 2,980 - 2,880' WOC & TAG 1) pull RBP 2) set CIBP @ 4,150', circulate hole w/ plugging mud 3) 25 sx C cmt 2,980 - 2,880' WOC & TAG 1) pull RBP 2) set CIBP @ 4,150', circulate hole w/ plugging mud 3) 25 sx C cmt 4,150 - 3,897' 4) Perf/sqz 40 sx C cmt 1,750 - 1,600' WOC & TAG 6) Perf/sqz 50 sx C cmt 1,750 - 1,600' WOC & TAG 6) Perf/sqz 50 sx C cmt 1,750 - 1,600' WOC & TAG 6) Perf/sqz 40 sx C cmt 1,750 - 1,600' WOC & TAG 6) Perf/sqz 50 sx C cmt 1,750 - 1,600' WOC & TAG 6) Perf/sqz 50 sx C cmt 1,750 - 1,600' WOC & TAG 6) Perf/sqz 90 sx C cmt 1,750 - 1,600' WOC & TAG 6) Perf/sqz 90 sx C cmt 1,750 - 1,600' WOC & TAG 6) Perf/sqz 90 sx C cmt 1,750 - 1,600' WOC & TAG 7/78'' rbde 8-5/8'' 28# csg. 2 853 ft/ft3 0 03505 ft3/ft 16 02 ft/bbi 0 0624 bb/ft 7/78'' openhole 25 sx C cmt 4,150 - 3,897'' Pull RBP, set CIBP @ 4,150', circulate plugging mud 5-1/2'' RBP @ 4150' w/10' sand on top 7/78'' hole 6 J12'' TH\$ SS Csg @ 4200' Cemented w/ 150 sx cmt, TOC @ 3,171' (Calc) 4.34'' Hole				2/15/08	Set 5-1/2" RBP @ 4	150' with		top			
Base Salt @ +/- 2,880' Perf/sqz 40 sx C cmt 2,980 - 2,880' WOC & TAG 2) set CIBP @ 4,150', circulate hole w/ plugging mud 3) 25 sx C cmt 4,150 - 3,897' 4) Perf/sqz 40 sx C cmt 2,980 - 2,880' WOC & TAG 5) Perf/sqz 50 sx C cmt 1,750 - 1,600' WOC & TAG 6) Perf/sqz 90 sx C cmt 320 - surface Capacities 5-1/2" 17# csg 7 661 ft/ft3 0 1305 ft3/ft 43 01 ft/bbi 0 0 0232 bbi/ft 84 csg 2 853 ft/ft3 0 1305 ft3/ft 43 0 1 ft/bbi 0 0 0232 bbi/ft Ermation Tops: Formation Tops: Pull RBP, set CIBP @ 4,150', circulate plugging mud 5-1/2" 17# SS Csg @ 4200' Cemented w/ 150 sx cmt, TOC @ 3,171' (Calc) 4.3/4" Hole					LA SERVICES INC						
2) set CIBP @ 4,150', circulate hole w/ plugging mud 3) 25 sx C cmt 4,150 - 3,897' 4) Perf/sqz 40 sx C cmt 2,980 - 2,880' WOC & TAG 5) Perf/sqz 50 sx C cmt 1,750 - 1,600' WOC & TAG 6) Perf/sqz 90 sx C cmt 320 - surface 5-1/2" 17# csg 7 661 ft/ft3 0 1305 ft3/ft 43 01 ft/bbl 0 0023 bbl/ft 8-5/8" 28# csg. 2 853 ft/ft3 0 3305 ft3/ft 16 02 ft/bbl 0 0624 bbl/ft 7-7/8" openhole 2.957 ft/ft3 0 3322 ft3/ft 16 60 ft/bbl 0.0602 bbl/ft 0.0602 bbl/ft 7-7/8" Hole Formation Tops: 7-7/8" Hole Yates 7 Rivers 6-1/2" 17# SS Csg @ 4200' 7 Rivers Cemented w/ 150 sx cmt, TOC @ 3,171' (Calc) 4-3/4" Hole San Andres		Base Salt @+/- 2,880'			PROPOSED PL	UGGIN	IG PROC	EDURI	E		
4) Perf/sqz 40 sx C cmt 2,980 - 2,880' WOC & TAG 5) Perf/sqz 50 sx C cmt 1,750 - 1,600' WOC & TAG 6) Perf/sqz 90 sx C cmt 320 - surface Capacities 5-1/2" 17# csg 7 661 ft/ft3 0 1305 ft3/ft 43 01 ft/obi 0 0232 bb/ft 8-5/8" 28# csg. 2 853 ft/ft3 0 3505 ft3/ft 16 02 ft/obi 0 0622 bb/ft Formation Tops: Pull RBP, set CIBP @ 4,150', circulate plugging mud 5-1/2" 7/8" openhole Formation Tops: Rustler 7-7/8" Hole Yates 5-1/2" 17# SS Csg @ 4200' Cermented w/ 150 sx cmt, TOC @ 3,171' (Calc) 4-3/4" Hole San Andres	2	Perf/sqz 40 sx C cmt 2,980 - 2,880' WOC &TAG		2) set CIBP @ 4,150			igging m	ud		
5-1/2" 17# csg 7 661 ft/ft3 0 1305 ft3/ft 43 01 ft/bbi 0 0232 bbi/ft 8-5/8" 28# csg. 2 853 ft/ft3 0 3305 ft3/ft 16 02 ft/bbi 0 0624 bbi/ft 7-7/8" openhole 2.957 ft/ft3 0 3382 ft3/ft 16 60 ft/bbi 0.0602 bbi/ft 7-7/8" openhole 2.957 ft/ft3 0 3382 ft3/ft 16 60 ft/bbi 0.0602 bbi/ft 7-7/8" hole Rustler 7-7/8" Hole Yates 5-1/2" 17# SS Csg @ 4200' 7 Rivers Cemented w/ 150 sx cmt, TOC @ 3,171' (Calc) Gloreta 4-3/4" Hole San Andres		TOC 5-1/2" Csg @ 3171' (Calc.)		4) Perf/sqz 40 sx C) Perf/sqz 50 sx C	cmt 2,9 cmt 1,7	980 - 2,880' 750 - 1,600'				
5-1/2" 17# csg 7 661 ft/ft3 0 1305 ft3/ft 43 01 ft/bbi 0 0232 bbl/ft 8-5/8" 28# csg. 2 853 ft/ft3 0 3305 ft3/ft 16 02 ft/bbi 0 0624 bbl/ft 7-7/8" openhole 2.957 ft/ft3 0 3382 ft3/ft 16 60 ft/bbi 0.0602 bbl/ft 7-7/8" openhole 2.957 ft/ft3 0 3382 ft3/ft 16 60 ft/bbi 0.0602 bbl/ft 0.0602 bbl/ft 7-7/8" openhole 2.957 ft/ft3 0 3382 ft3/ft 16 60 ft/bbi 0.0602 bbl/ft 0.0602 bbl/ft 5-1/2" RBP @ 4150' w/10' sand on top Rustler Yates 7-7/8" Hole Yates 7 Rivers Cemented w/ 150 sx cmt, TOC @ 3,171' (Calc) Gloneta 4-3/4" Hole				L							
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		4-3/4" Hole									