

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-HOBBS

FORM APPROVED
OMB No. 1004-0137
Expires July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
**Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No.
LC031621B

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE – Other instructions on page 2.

1. Type of Well

☒ Oil Well

☐ Gas Well

☐ Other

2. Name of Operator
ConocoPhillips Company

3a. Address
P.O. Box 51810
Midland, Texas 79710-1810

3b. Phone No. (include area code)
432-688-6913

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No.
Britt B #9

9. API Well No.
30-025-06108

10. Field and Pool or Exploratory Area
Cass, Penn

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1980 FSL & 1980 FEL, UL: J of Section 15, T20S, R37E

11. Country or Parish, State
Lea, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

ConocoPhillips respectfully submits the attached procedure for a recompletion attempt into the San Andres formation with perfs from 4015-4185'.

Please see the attached procedure for further information.

Recomplete by 6/01/09

AFTER RECOMPLETION AND TESTING
PLEASE SUBMIT 3160-4 COMPLETION
REPORT FOR THE San Andres
INTERVAL(S) WITHIN 30 DAYS

RECEIVED

MAR 04 2009

HOBBSOCD

TA approved until after well is recompleted

14 I hereby certify that the foregoing is true and correct. Name (Printed/Typed)
Justin C. Firkins

Title Regulatory Specialist

Signature

Date 02/25/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title Petroleum Engineer

FEB 28 2009

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office CFO

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

Britt B #9
WBS ELEMENT – WA5.CNM.
WellView Well Name – Britt B #09
Recompletion Procedure

September 15, 2008

Objective: Recomplete to the San Andres formation.

COPC WI: 50%	COPC NRI: 43.75%	
Well Status: TA'd	Well Type: Oil Well	County: Lea
Area: Permian	Field: Wildcat	Team: Permian Oil
Venting: Permit not required	Flaring: Permit not required	H ₂ S: Possible
Well Control: Class 2 Category 1 (post perforating & post stimulation)		

IMPORTANCE OF SAFETY

Safe operations are of utmost importance at all ConocoPhillips properties and facilities. To further this goal, the ConocoPhillips Supervisor at the location shall request tailgate safety meetings prior to initiation of work and also prior to any critical operations. All company, contract, and service personnel then present shall attend these tailgate safety meetings at the location. All parties shall review the proposed upcoming steps, procedures, and potentially hazardous situations. Occurrence of these meetings shall be recorded in the WellView daily report.

History / Justification

The purpose of the proposed project is to recomplete the Britt B #9 to the San Andres formation. The subject well was originally drilled to 8536' and into the Devonian in 1956, but 20 drill collars were left in the hole so the well was completed in the Cass Penn (Strawn). The well was recompleted as a dual completion in the Monument Tubb and Weir Drinkard in 1959. Perforations in both the Tubb and Drinkard were added in 1964. During 1971, the Tubb and Drinkard were downhole commingled. In 1982, the Skaggs Abo was perforated, and the well was dually completed in the Abo and Tubb/Drinkard. Abo perforations were added in 1983. During 1988, the Tubb, Drinkard, and Abo perforations were cement squeezed and the Strawn was reentered. During the 1988 well work, a casing part was detected at 4503', a casing alignment tool was installed, and the Strawn was rod pumped below a packer. The well was temporarily abandoned in September 1989 by setting CIBPs at 7630' and 4230'.

An initial rate of 25 BOPD with 50 Mcf/d is projected based upon the initial rates of nearby San Andres wells and log data. Economics were performed using an exponential decline rate of 25% per year, a recompletion cost of \$385,000, a facilities cost of \$440,000, and an operating cost of \$7.35/BOE per year. ConocoPhillips owns a 50% WI and a NRI of 43.75% in the Britt B lease. This project yields an ATAX ROR of 42.2% with a NPV of \$163M at 13%.

Britt B #9
Recomplete to San Andres

AFE Number: WA5.CNM._____

API Number: 30-025-06108

Field: Cass Penn

Location: 1980' FSL & 1980' FEL, Sec. 15, T-20-S, R-37-E, Lea County, NM

Depths: TD = 8536' PBTD = 4230'

Elevation: GL = 3553' DF = 3565' KB = 3566'

Casing Data:

Existing & Proposed Casing, Tubing and Packer Information

	OD (in)	Depth (ft)	ID/Drift (inches)	Weight (#/ft)	Grade	Burst	Burst w/ 1.15 D.F.	Collapse (psi)	Collapse w/ 1.05 D.F.	Volume (Bbls/Ft)
Int. Csg.	9%	614'	8.921/8.765	36#	J-55	3520	3061	2020	1924	.0773
	9%	694'	8.835/8.679	40#	N-80	5750	5000	3090	2943	.0758
	9%	3999'	8.835/8.679	40#	J-55	3950	3435	2570	2448	.0758
Prod. Csg	7"	5125'	6.366/6.241	23#	J-55	4360	3791	3270	3114	.0393
	7"	7517'	6.366/6.241	23#	N-80	6340	5513	3830	3648	.0393
	7"	7768'	6.276/6.151	26#	N-80	7240	6296	5410	5152	.0382
Prod. Tbg	2 3/8"	4436'±	1.995/1.901	4.7#	J-55	7700	6696	8100	7714	.0038

Top of Cement: Estimated @ 2547'

Casing Fluid: 2% KCl (0.438 psi/ft)

Proposed Cased Hole Perforations

Formation	Perforations (MD)	Frac Grad	Perf Feet	SPF	Phase	Zero Hole	Holes	Anticipated Reservoir Pressure	Reservoir Temp
San Andres	4015-4025'	.75	10	4	90	No	40	1867	100°
	4080-4085'	.75	5	4	90	No	20	1897	100°
	4095-4100'	.75	5	4	90	No	20	1904	100°
	4175-4185'	.75	10	4	90	No	40	1941	100°

Correlation Log: Schlumberger GR/CNL/CCL log dated 4/29/08*

Gun Type: 4" HEGS-DP 41B HJ SX1, 22.7 gram HMX, (API 19B: Pen – 21.67", EHD - 0.42")

*Note: Correlation log has different GL, DF, and KB elevations than previous logs run on well.

Prepared by: David McPherson: Contract Production Engineer, Panhandle/Permian Group
Office: 1(832) 486-2203 Mobile: 1(903) 316-4272 Home: 1(903) 894-3547

GENERAL NOTES

1. No project or task is to be performed unless it can be done safely and without harm to the environment. All work must comply with all State and Federal regulations and with COPC Safety and Environmental Policies.
2. Conduct daily safety meetings and review all procedures with all contractors prior to performing the operation.
3. Report all activity on the WellView Daily Completion Work-Over Report.
4. Insure contractors are familiar with and comply with all relevant COPC safety/environmental policies.
5. Spills are to be prevented. Utilize a vacuum truck as necessary.
6. **All references to 2% KCl water is powdered 2% KCl.**
7. Throughout the entire completion process, any fluids from the well-bore that are displaced or produced must be sent through the flow-back equipment so that the fluids can be properly disposed.
8. Verify that all pressured lines and fittings meet or exceed the MPSP (Maximum Predicted Surface Pressure) for the treatment lines of **7500** psi for the pressure test during stimulation operations. Maximum treatment pressure during the sand frac will be **6000** psi. MPSP from the zone should not be greater than 2000 psi before and after stimulation operations of the San Andres zone.
9. Well control for this well will be Class 2, Category 1 before and after stimulation. Expected Shut in Casing Pressures (SICP) before & after stimulation should not exceed 2000 psi.

Mid-Continent / Permian / Hobbs East Contact List:

Reservoir Engineer:	D. Pecore	832-486-2145
Geologist:	G. Borges	832-486-2606
Production Engineer:	J. Lowder	432-368-1609
Facilities Engineer Tech:	L. Johansen	432-368-1223
Operations Supervisor:	J. Coy	575-391-3127
Projects Planner:	D. Garrett	432-368-1410
Production Foreman:	V. Mackey	575-391-3129

Recommended Procedure

1. MIRU well service rig. ND wellhead and NU BOPs and test. PU 2 $\frac{3}{8}$ " tubing (2 $\frac{3}{8}$ ", 4.7 lb/ft, J-55 production tubing to be used as a workstring) and TIH with bit and scraper for 7", 23 lb/ft casing to CIBP @ 4230'. RU pump truck and test casing to 500 psi for 30 minutes. POOH with bit & scraper.
 2. MIRU Schlumberger wireline. RU 1000 psi lubricator. Correlate to Schlumberger GR/CNL/CCL log dated 4/29/08. Dump bail 20' of cement on top of CIBP at 4230'. Perforate the San Andres from 4175-4185 (40 holes), 4095-4100' (20 holes), 4080-4085' (20 holes), and 4015-4025' (40 holes) with 4 SPF, 90° phasing using 4" HEGS-DP 41B HJ SX1, 22.7 gram HMX, (API 19B: Pen – 21.67", EHD - 0.42").
 3. RDMO wireline and lubricator.
 4. PU 3 $\frac{1}{2}$ " workstring and RIH with 7" packer. Test workstring to 8000 psi while RIH. Set packer at 3900'±.
 5. Spot three 500 bbl clean, lined frac tanks and fill with 2% KCl. Add biocide to the first load of each tank. Design = 1145 bbls total. At 20,000 gallons of useable fluid per tank, that would be 3 tanks; the excess will be 283 bbls.
 6. MIRU Halliburton services fracturing equipment. RU and test all lines to 7500 psi and monitor for 5 min. Make sure the pressure does not decrease more than 300 psi over the 5 min. Pressure up casing/tubing annulus to 200 psi and monitor during job.
 7. Perform acid ballout with 3000 gals 15% Fercheck SC acid at 6 bpm with 150± bio-balls as per attached procedure. Surge the well 2-3 times to dislodge balls. Shut down for 15 minutes to allow balls to fall.
- Note:** It is a ConocoPhillips policy to have shower facilities on location when using acid.
8. Fracture treat the San Andres with 36,000 gal of SilverStim LT containing 60,000 lbs of 20/40 Brady sand coated with Expedite Lite as per attached treating schedule. Set treating line pop off at 7000 psi. Set pump trips at 6800 psi. Frac at 30± BPM with maximum wellhead treating pressure of 6000 psi.
 9. Obtain ISIP and 5 minute, 10 minute, 15 minute pressures. Close Hydraulic Master Valve. RD Halliburton Iron.
 10. Unseat packer and reverse out any excess sand from tubing if flush volume not achieved. Shut in well to allow Expedite to cure as per Halliburton recommendation. POOH with 7" packer and 3 $\frac{1}{2}$ " workstring. Lay down 3 $\frac{1}{2}$ " workstring and packer.
 11. TIH with 6 $\frac{1}{4}$ " bit on 2 $\frac{3}{8}$ " tubing to PBTD at 4210'±. Do not drill cement above CIBP at 4230'. Circulate out any excess sand from frac job. When wellbore is clean, POOH with 2 $\frac{3}{8}$ " tubing.

Britt B #9

Recomplete to San Andres

12. TIH with 2 $\frac{3}{8}$ ", 4.7 lb/ft, J-55 tubing string per tubing design in WellView. Place the EOT 15'± below the bottom perforation (bottom perf at 4185') with the tubing anchor set 50'± above the top perforation (top perf at 4015'). Maintain a dynamic fluid column (DFC) while running tubing. (Trickle some 2% KCl water down the tubing head valve.)
13. ND BOPs and NU wellhead. RIH with pump and rods as per pump and rod design in WellView. Space and hang well on. Load tubing and check pump action.
14. RDMO well service rig. Turn well over to Operations and return well to production. Report results on morning report.
15. Contact chemical representative to schedule corrosion inhibition treatment and place well on corrosion inhibition program. Place stabilized rate in FieldView. Submit change of status report.

BRITT B #09**PROPOSED WELLBORE DIAGRAM**

API #: 30-025-06108
FIELD: Cass Penn
CO ST: Lea, NM AREA: Hobbs East
SECTION: 15 TOWNSHIP: 20S RANGE: 37E
LOCATION: 1980' FSL & 1980' FEL
DATES: SPUD: 12/4/56 IC: 3/11/57
LATEST RIG WORKOVER: 9/6/89
DIAGRAM REVISED: 7/7/08 by D. McPherson

13 3/8" @ 399' cmt w/ 300 sxs

TOC @ 1275' by temp survey

Estimated TOC @ 2547'±

9 3/4" @ 3999' cmt w/ 3430 sxs to surface

TAC @ 3965'

PERFS: 4015-4025'

PERFS: 4080-4085'

PERFS: 4095-4100'

PERFS: 4175-4185'

CIBP @ 4230' (9/6/89)

Casing part @ 4503'; repaired

PERFS: 6486-6498', 6508-6514' (8/64) {sqz'd 8/88}
PERFS: 6474-6556' (4/59) Tubb {sqz'd w/ 250 sxs 8/64}

PERFS: 6656-6780' (8/64) Drinkard {sqz's 8/88}
PERFS: 6810-6928 (4/59) Drinkard {sqz's 8/88}

PERFS: 7042-7051' (7/82) ABO {sqz's 8/88}
PERFS: 7052-7055' (3/83) ABO {sqz's 8/88}
CIBP @ 7630'

PERFS: 7700-7710' (Penn/Strawn) 8/88
PERFS: 7712-7724' (sqz'd)

7" @ 7768' cmt w/ 675 sxs

	CASING			TUBING
Hole Size				
Pipe Size	13 3/8"	9 5/8"	7"	2 3/8"
Weight	48#	40/36#	23/26#	4.7#
Grade	H-40	J-55	J-55	J-55
Thread				8rd
Depth	399'	3999'	7768'	4216'±

ELEVATION: GR - 3565' KB 3577'

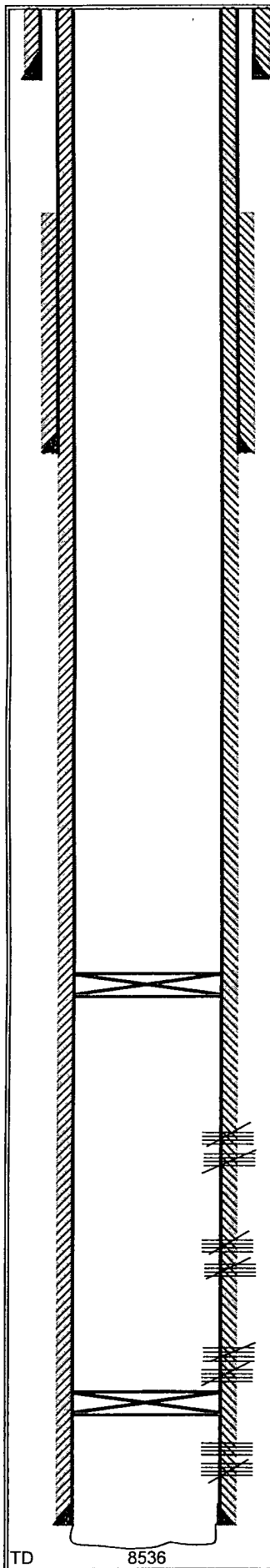
TREE CONNECTION:

Tubing Description	Length	From	To
Elevation	12.00	0.00	12.00
130 jts 2 3/8" 4.7# J-55 8rd EUE tbg	3953.00	12.00	3965.00
1- TAC	2.70	3965.00	3967.70
8+ jts 2 3/8" 4.7# J-55 8rd EUE tbg	247.00	3967.70	4214.70
1 2 3/8" seating nipple	1.10	4214.70	4215.80
1 Notched collar	0.42	4215.80	4216.22

Rod Description	Length	From	To
1 - 1 1/2" polished rod	22.00	-5.00	17.00
67 7/8" SPCL APP rods	1675.00	17.00	1692.00
96 3/4" SPCL APP rods	2400.00	1692.00	4092.00
4 - 1 1/2" Sinker Bars	100.00	4092.00	4192.00
1 - 1 1/2" insert pump	20.00	4192.00	4212.00
1 - Stainless Steel Gas Anchor	2.00	4212.00	4214.00

Pump Unit:

COMMENTS



13 3/8" @ 399' cmt w/ 300 sxs

TOC @ 1275' by temp survey

9 5/8" @ 3999' cmt w/ 3430 sxs to surface

CIBP @ 4230' (9/6/89)

Casing part @ 4503'; repaired

PERFS: 6486-6498' (8/64) {sqz'd 8/88}
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PERFS: 7042-7051' (7/82) ABO {sqz's 8/88}
PERFS: 7052-7055' (3/83) ABO {sqz's 8/88}
CIBP @ 7630'

PERFS: 7700-7710' (Penn/Strawn) 8/88
PERFS: 7712-7724' (sqz'd)

7" @ 7768' cmt w/ 675 sxs

BRITT B #09

CURRENT WELLBORE DIAGRAM

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LOCATION: 1980' FSL & 1980' FEL
DATES: SPUD: 12/4/56 IC: 3/11/57
LATEST RIG WORKOVER:
DIAGRAM REVISED: 2/7/08 by D. McPherson

	CASING			TUBING
Hole Size				
Pipe Size	13 3/8"	9 5/8"	7"	None
Weight	48#	40/36#	23/26#	
Grade	H-40	J-55 N-80	J-55 N-80	
Thread				
Depth	399'	3999'	7768'	

ELEVATION: GR - 3565' KB 3577'
TREE CONNECTION:

Tubing Description	Length	From	To
None			
Rod Description	Length	From	To
None			
Pump Unit:			

COMMENTS