Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FEB 10 2009

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.

SUBMIT IN TRIPLICATE – Other instructions on page 2.

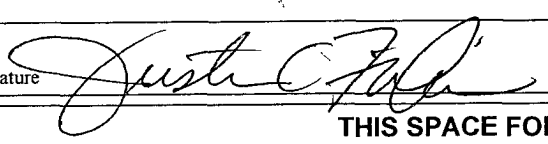
1. Type of Well ☑ Oil Well ☐ Gas Well ☐ Other	5. Lease Serial No. LC 031695A
	6. If Indian, Allottee or Tribe Name
	7. If Unit of CA/Agreement, Name and/or No.
	8. Well Name and No. SEMU #154 <31670>
2. Name of Operator ConocoPhillips Company <217817>	9. API Well No. 30-025-35383
3a. Address P.O. Box 51810 Midland, Texas 79710-1810 3b. Phone No. *(include area code)* 432-688-6913	10. Field and Pool or Exploratory Area North Hardy Tubb-Drinkard
4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)* 1760' FSL & 2310' FEL, Sec 30, T20S, R38E Unit J	11. Country or Parish, State Lea County, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☑ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☑ Recomplete	☐ Other _____
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	_____
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ 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 to attempt a recompletion into the San Andres Formation from 4160-4190'

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)* Justin C. Firkins	Title Regulatory Specialist
Signature 	Date 01/21/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title PETROLEUM ENGINEER	Date FEB 20 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	

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)

FEB 10 2009

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

RECEIVED
FEB 12 2009
HOBBSOCD

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-025-35383	~~47020~~ 96343	~~Monument~~: G-SA ~~Consolidated~~ Warren

[4] Property Code	[5] Property Name	[6] Well Number
31670	SEMU	154

[7] OGRID No.	[8] Operator Name	[9] Elevation
217817	ConocoPhillips Company	3515' GR

[10] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	30	20S	38E		1760	South	2310	East	Lea, NM

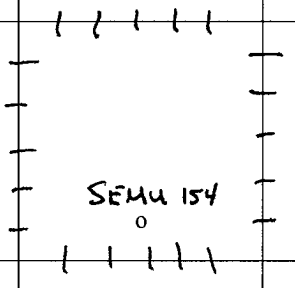
[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
40			

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.

16



[17] OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole 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 voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Justin C Firkins 01/28/2009
Signature Date

Justin C Firkins
Printed Name

[18] SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date of Survey

Signature and Seal of Professional Surveyor:

Certificate Number

SEMU #154
Recomplete to San Andres Formation

AFE Number: WA5.CNM.____

API Number: 30-025-35383

Field: North Hardy Tubb-Drinkard

Surface Location: 1760' FSL & 2310' FEL, Sec. 30, T-20-S, R-38-E, Lea County, NM

Depths: TD = 7,900' PBTD = 6,715'±

Elevation: GL = 3515' KB =3526'

Casing Data:

Existing & Proposed Casing, Tubing and Packer Information

	OD (in)	Depth (ft)	ID/Drift (inches)	Weight (#/ft)	Grade	Burst (psi)	Burst w/ 1.15 D.F.	Collapse (psi)	Collapse w/ 1.05 D.F.	Volume (Bbls/Ft)
Sur. Csg.	8⅝"	1495'	8.097/7.972	24#	J-55	2950	2565	1370	1304	.0636
Prod. Csg	5½"	7900'	4.892/4.767	17#	J-55	5320	4626	4910	4676	.0232
Prod. Tbg	2⅞"		2.441/2.347	6 5#	J-55	7260	1.20 D.F.	7680	1.15 D.F.	0.00579

Top of Cement: surface Casing Fluid: 2% KCl (0.438 psi/ft)

Proposed Cased Hole Perforations

Formation	Perforations (MD)	F.G.	Perf Feet	SPF	Phase	Holes	Anticipated Reservoir Pressure	Reservoir Temp
San Andres	4160-4190'	.75	30	2	0°	60	1934	100° F

Correlation Log: Schlumberger Platform Express log dated 3/14/01

Gun Type: 3⅛" High Shot Density, 34JL Ultrajet, HMX 22.7g, (API 19B: Pen – 28.94", EHD - 0.37")

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

SEMU #154
Recomplete to San Andres Formation

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 Well-View 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 **5250** psi for the pressure test during stimulation operations. Maximum treatment pressure during the sand frac will be **4000** psi. MPSP from the zone should not be greater than 2000 psi before & after stimulation operations of the Tubb and Blinebry zone.

9. Well control for this well will be Class 2, Category 2 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

SEMU #154
Recomplete to San Andres Formation

PROPOSED PROCEDURE

1. MIRU workover unit. ND wellhead and NU BOP's and test. Release M1-X packer and POOH with 2⅞" tubing.

2. PU and RIH with 4¾" bit and 5½" casing scraper on 2⅞", 6.5#, J-55 workstring to TOC @ 6715± circulating well clean with 2% KCL water. Do not drill up cement. POOH with casing scraper and drill bit. Stand back 2⅞" workstring. LD casing scraper and drill bit.

3. MIRU Schlumberger wireline. RU 1000 psi lubricator. Hold an on-site Safety meeting – ensure that all sources of stray charge are off including personal cell phones. Correlate with Schlumberger Platform Express log dated 3/14/2001. Test the lubricator to 1000 psi. Zero the depth counters and run in the hole. Set CIBP @ 6300'±. Load and test casing with 9 ppg brine to 500 psi and hold for 30 minutes. Dump 35' of cement on top of CIBP. Perforate the San Andres from 4160-4190', 2 SPF [60 Holes]. Use a 3-1/8" High Shot Density, 34JL Ultrajet,HMX 22.7g, (API 19B: Pen – 28.94", EHD - 0.37") perforating gun (Load the guns with 0° phasing.)

4. Retrieve the fired guns into lubricator. Close the blind ram and bleed off the lubricator. Lay down the lubricator and guns. Verify that all shots have fired. Report "stabilized" shut-in pressure after perforating in Well View.

5. TIH with 2⅞", 6.5#, J-55 workstring and 5½" packer. Set packer at 4100'±. Test bakside to 500 psi.

6. MIRU Schlumberger pumping services equipment. RU and test all lines to 5000 psi and monitor for 5 min. Make sure the pressure does not decrease more that 300 psi over the 5 min. Pressure up casing / tubing annulus to 300 psi and monitor during job.

7. Perform acid ballout with 4000 gals 15% HCl acid @ 6 bpm with 72± 1.1 SG bio balls as per attached procedure. Surge the well 2-3 times to dislodge balls. Shut down for 30 minutes to allow balls to fall.

   Note: It is a ConocoPhillips policy to have shower facilities on location when using acid.

8. Release packer and reverse out any spent acid. POOH with tubing and packer.

9. Pick up the 2-⅞", 6.5 lb/ft, J-55 tubing string (per Vernon Mackey).

10. Run the production tubing in the hole. Place the EOT at 6661'± with the tubing anchor set at 5740'±. Maintain a dynamic fluid column (DFC) while running tubing. (Trickle some 2% KCl water down the tubing head valve.)

11. ND BOPs and NU wellhead. RIH with pump and rods (per rod design in WellView). Space and hang well on. Load tubing and check pump action.

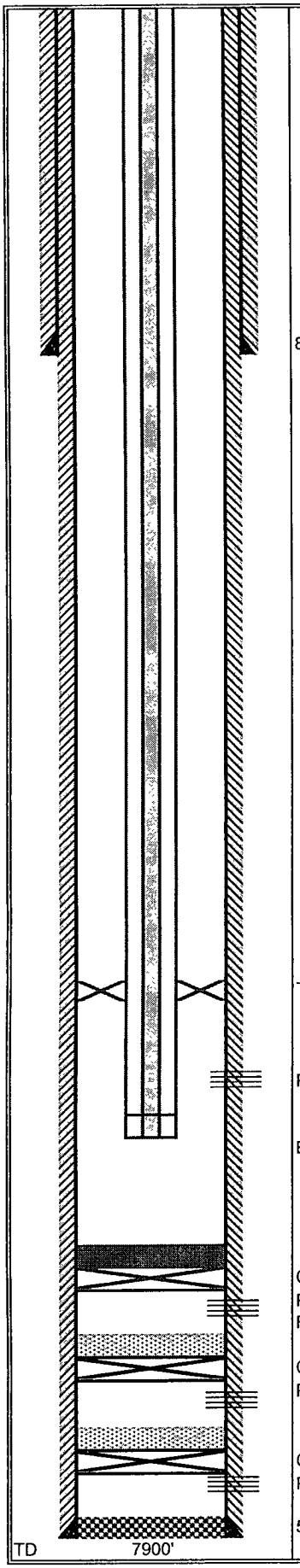
12. RDMO well service rig. Release any ancillary equipment. Clean up location.

13. Turn well over to Operations. Place well on production. Report well tests on morning report. Place stabilized well test in FieldView. Contact chemical representative to place well on corrosion inhibition program. Submit change of status report.

SEMU #154

PROPOSED WELLBORE DIAGRAM

API #:	30-025-35383				
FIELD:	North Hardy Tubb-Drinkard				
CO ST:	Lea, NM		**AREA:** Hobbs East		
SECTION:	30	**TOWNSHIP:**	20S	**RANGE:**	38E
LOCATION:	1760' FSL & 2310' FEL				
DATES:	**SPUD:** 2/25/01		**IC:** 4/17/01		
	LATEST RIG WORKOVER:				
	DIAGRAM REVISED: 11/05/08 by D. McPherson				



8⅝" @ 1495', cmt w/ 625 sxs

TAC @ 4110'±

PERFS: 4160-4190'

EOT @ 4220'±

CIBP @ 6300' w/ 35' cmt on top
PERFS: 6490-6510', 6342-48', 6382-83', 6410-11', 6423-76' (6/5/01) Tubb
Frac'd w/ 134,340# 16/30 SD and 40,220# RC SD

CIBP @ 6750' w/ 35' cmt on top (6/5/01)
PERFS: 6793-6803', 6817-32', 6846-64' (5/30/01) Drinkard

CIBP @ 7550' w/ 35' cmt on top (4/19/01)
PERFS: 7598-7650' (4/17/01) Strawn

5½" @ 7900' cmt w/ 1660 sxs

	CASING				TUBING
Hole Size	12¼"	7⅞"			
Pipe Size	8⅝"	5½"			2⅞"
Weight	24#	17#			6.5#
Grade	J-55	J-55			J-55
Thread					8rd
Depth	1495'	7900'			4220'

ELEVATION:	GR 3515', KB 3526'
TREE CONNECTION:	

Tubing Description	Length	From	To
Elevation	13.00	0 00	13.00
134± jts 2⅞" 6.5# J-55 tubing	4097.00	13.00	4110.00
1 - 5-½ x 2⅞" TAC	4.00	4110.00	4114.00
2.5± jts 2⅞" 6.5# J-55 tubing	75.00	4114.00	4189.00
1 - SN	1 00	4189.00	4190.00
1 - SOPMA	30.00	4190.00	4220.00

Rod Description	Length	From	To
1 - 1¼" polished rod	22.00	-3 00	19.00
144 - ¾" rods	4025.00	19.00	4044 00
2 - ¾" rods w/ guides	50.00	4044.00	4094.00
3 - 1½" sinker bars	79.00	4094.00	4173 00
1 - pump	16.00	4173.00	4189.00
1 - dip tube	12.00	4189.00	4201.00

Pump Unit:

COMMENTS