

HOBBS OCD

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Hobbs

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

DEC 29 2011

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.

RECEIVED

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		5. Lease Serial No. NMLC031696A
2. Name of Operator CONOCOPHILLIPS COMPANY		6. If Indian, Allottee or Tribe Name
Contact: RHONDA ROGERS E-Mail: rogersr@conocophillips.com		7. If Unit or CA/Agreement, Name and/or No. 892000321N
3a. Address 3300 N "A" ST BLDG 6 MIDLAND, TX 79705	3b. Phone No. (include area code) Ph: 432-688-9171 Fx: 432-688-6019	8. Well Name and No. SEMU 151
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 25 T20S R37E NESE 1650FSL 330FEL		9. API Well No. 30-025-35338-00-S1
		10. Field and Pool, or Exploratory HARDY Tubbs Drinkard N
		11. County or Parish, and State LEA COUNTY, NM

12. CHECK 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
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☒ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ 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 recompleate 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 shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall 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 would like to plug back the North Hardy Tubbs Drinkard and re-complete into the Skaggs;Grayburg/Hardy San Andres North.

Attached are the procedures and the C-102 for both the Hardy; San Andres North and the Skaggs; Grayburg.

Skaggs;Grayburg perms:3837'-3982'
Hardy;San Andres North perms: 3992'-4235'

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

SUBJECT TO LIKE
APPROVAL BY STATE



14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #122005 verified by the BLM Well Information System For CONOCOPHILLIPS COMPANY, sent to the Hobbs Committed to AFMSS for processing by DEBORAH MCKINNEY on 11/02/2011 (12DLM0067SE)	
Name (Printed/Typed) RHONDA ROGERS	Title STAFF REGULATORY TECHNICIAN
Signature (Electronic Submission)	Date 11/02/2011

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By (BLM Approver Not Specified)	PETROLEUM ENGINEER	Date 12/27/2011
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 Hobbs	JAN 05 2012

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.

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

JAN 05 2012

DISTRICT I
1622 N. French Dr., Hobbs, NM 88240

DISTRICT II
611 South First, Artesia, NM 88210

DISTRICT III
1000 Elc Stratos Rd., Artesia, NM 87410

DISTRICT IV
8940 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised March 17, 1999

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, New Mexico 87505

[] AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-35338	Pool Code 57380	Pool Name Skaggs; Grayburg
Property Code 013492	Property Name SEMU	Well Number 151
OGED No. 217817	Operator Name ConocoPhillips Company	Elevation 3514'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	25	20 S	37 E		1650	SOUTH	330	EAST	LEA

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
Dedicated Acres 40		Joint or Infill	Consolidation Code	Order No.					

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 I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Rhonda Rogers Staff Regulatory Tech Date 11/01/11	
	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. October 18, 2000 State Surveyor Signature Professional Surveyor W.O. No. 05775 Certificate No. Gary L. Jones 7977 Professional Land Surveyor	

DISTRICT I
1025 N. French Dr., Hobbs, NM 88240

DISTRICT II
811 South First, Artesia, NM 88210

DISTRICT III
1000 Rio Bravo Rd., Arroyo, NM 87410

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised March 17, 1999

Submit to Appropriate District Office
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Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, New Mexico 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-35338	Pool Code 96393	Pool Name Hardy San Andres North
Property Code 013492	Property Name SEMU	Well Number 151
OGRIID No. 217817	Operator Name ConocoPhillips Company	Elevation 3514'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	25	20 S	37 E		1650	SOUTH	330	EAST	LEA

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OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. Signature Rhonda Rogers Printed Name Staff Regulatory Tech Title Date 11/01/11
	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. October 18, 2000 Date Surveyed Signature Professional NEW MEXICO 7977 W.O. No. 05775 Certificate No. Gary L. Jones 7977 PROFESSIONAL LAND SURVEYOR

SEMU 151
30-025-35338

PROCEDURE

1. Prior to service unit MI & RU, dump 20 bbl xylene down 2-7/8" x 5-1/2" annulus. Pump back xylene (contact time: 7.2 hrs at current surface displacement of 79 BPD). Test anchors. Last well service 04.2002.
2. Spot 6 clean 500 bbl frac tanks. Load tanks w/ fresh water prior to frac date. Water to be biocide-treated by SLB.
3. MI & RU service unit. Un-seat pump. POOH w/ rods & pump. ND well. NU hydril BOP. Scan 2-7/8", 6.5# J-55 production tbg out of hole. The following is a summary of the current well configuration:

	Depth RKB		Elev.: 3525 KB; 3514 GL (KB - GL: 11 ft.)
	top	btm	
8-5/8", 24#, J-55	surf	1518	04.25.01: Cmt w/ 665 sx. Circ 34 bbl to surface.
5-1/2", 17#, K-55 (DVT @ 3652-3654)	surf	7900	05.13.01: Cmt in 2 stgs w/ total 850 sx. : Circ cmt on both stages (CBL: 0.07.01)
<u>Tubb Perforated Intervals</u>	6442	6444	06.28.01: Perforate @ 2 spf
	6449	6451	06.28.01: Perforate @ 2 spf
	6479	6492	06.28.01: Perforate @ 2 spf
	6481	6494	post-06.28.01 / pre-09.17.01: Perforate @ 4 spf
Cmt Cap (PBD: current)	6765	6800	06.26.01: cap w/ 35 ft. cmt
CIBP	6800	6802	06.26.01: CIBP
<u>Drinkard Perforated Intervals</u>	6843	6846	06.25.01: Perforated @ 4 spf
	6952	6855	06.25.01: Perforated @ 4 spf
Cmt Cap	6965	7000	06.21.01: cap w/ 35 ft. cmt
CIBP	7000	7002	06.21.01: CIBP
<u>Abo Perforated Intervals</u>	7194	7196	06.15.01
	7202	7210	06.15.01
	7217	7219	06.15.01
	7234	7236	06.15.01
	7240	7247	06.15.01
	7315	7317	06.15.01
	7396	7400	06.15.01
	7447	7449	06.15.01
Cmt Cap	7765	7800	06.12.01: cap w/ 35 ft. cmt
CIBP	7800	7802	06.12.01: CIBP
<u>Strawn Perforated Intervals</u>	7822	7856	06.07.01
	7876	7886	06.07.01
PBD (original)	7887	7900	06.07.01: CBL Logger PBD (Driller PBD: 7888)
TD		7900	05.13.01: Driller TD (OH Logger TD: 7909)

4. PU & RIH w/ 2-7/8", 6.5#, J-55 work string tbg w/ 4-3/4" bit & 5-1/2", 17# csg scraper to 6450. POOH w/ tbg, csg scraper & bit.

RIH w/ tbg & CIBP (5-1/2", 17#). Set CIBP @ 6400 (between csg collars: 6382 & 6424; uppermost perforation: 6442). Circ well w/ fresh water (well capacity w/ tbg: 134.3 bbl). Close pipe-rams. Test CIBP @ 500#.

Mix & pump 25 sx cmt (5.9 bbl). Displace cmt w/ 35.4 bbl fresh water (cmt column: 6120-6400. POOH w/ tbg (cmt column: 6147-6400).

5. RIH w/ tbg & CIBP-2. Set CIBP-2 @ 4300 (between csg collars: 4270 & 4312). POOH w/ tbg.

RIH w/ tbg & PKR. Set PKR @ 4290. Test CIBP at 2500# surface prs. (bottom-hole test prs @ 4300: 4360#; anticipated bottom-hole frac treating prs: 3750#). Circ well w/ 2% KCl (well capacity w/ tbg: 90 bbl)

Re-set PKR @ 3650. Test csg below PKR @ 2500#. POOH w/ tbg & PKR.

6. RU SLB. NU lubricator & test @ 500#.

Perforate following intervals at 3 spf @ 60-degree phasing w/ 3-3/8", HSD PowerJet 3406, HMX, 22.8 gm. (EHD: 0.37 in.; Penetration: 37 in.)...

	top	btm	ft.	SPF	Perfs
Grayburg	3837	3842	5	3	15
	3866	3871	5	3	15
	3896	3900	4	3	12
	3907	3910	3	3	9
	3930	3934	4	3	12
	3938	3945	7	3	21
	3951	3954	3	3	9
	3971	3975	4	3	12
	3979	3982	3	3	9
			38		114

Note: collars recorded on Baker Atlas CBL of 06.07.01; KB - GL: 11 ft.):

Collar	Collar-Collar
3648	
3692	44
3692-94	DVT
3694	
3739	45
3784.5	45.5
3828	43.5
3873.5	45.5
3919	45.5
3965.5	46.5

4010	44.5
4051	41
4096	45
4142	46
4184	42
4226	42
4270	44

7. RIH w/ tbg, PKR & RBP. Acidize Grayburg perforations w/ total 96 bbl (4032 gal) 15% NE Fe HCl:

Acidize Gross Interval: 3971-3982 w/ 18 bbl (756 gal) 15% HCl

- Set RBP @ 4000 (between perf: 3982 & csg collar: 4010)
- Pull EOT to 3982. Pump 18.0 bbl (756 gal) 15% NE Fe HCl followed by 4.3 bbl 2% KCl.
- SD and allow well to equalize (approx. tbg column: 189-3982)
- PUH & set PKR @ 3960 (between perfs: 3954 & 3971; csg collar: 3965)
- Pump w/ 30 bbl 2% KCl (10.9 bbl over-flush). AIR: 5 BPM @ 3000#
- Record ISIP, SITP(5 min), SITP(10 min) & SITP(15 min).

Acidize Gross Interval: 3930-3954 w/ 36 bbl (1512 gal) 15% HCl

- Set RBP @ 3960 (between perfs: 3954 & 3971; csg collar: 3965)
- Pull EOT to 3954. Pump 22.2 bbl (930 gal) 15% NE Fe HCl
- SD and allow well to equalize (approx. tbg column: 230-3954)
- PUH & set PKR @ 3915 (between perfs 3910 & 3930; csg collar: 3919)
- Pump additional 13.8bbl (582 gal) 15% NE Fe HCl.
- Flush w/ 35 bbl 2% KCl (11.4 bbl over-flush). AIR: 5 BPM @ 3000#
- Record ISIP, SITP(5 min), SITP(10 min) & SITP(15 min).

Acidize Gross Interval: 3896-3910 w/ 18 bbl (756 gal) 15% HCl

- Set RBP @ 3915 (between perfs 3910 & 3930; csg collar: 3919)
- Pull EOT to 3910. Pump 18 bbl (756 gal) 15% NE Fe HCl followed by 3.9 bbl 2% KCl.
- SD and allow well to equalize (approx. tbg column: 189-3910)
- PUH & set PKR @ 3885 (between perfs 3871 & 3896; csg collar: 3874)
- Flush w/ 30 bbl 2% KCl (10.8 bbl over-flush). AIR: 5 BPM @ 3000#
- Record ISIP, SITP(5 min), SITP(10 min) & SITP(15 min).

Acidize Gross Interval: 3866-3871 w/ 12 bbl (504 gal) 15% HCl

- Set RBP @ 3885 (between perfs 3871 & 3896; csg collar: 3874)
- Pull EOT to 3871. Pump 12 bbl (504 gal) 15% NE Fe HCl followed by 9.9 bbl 2% KCl.
- SD and allow well to equalize (approx. tbg column: 126-3871)
- PUH & set PKR @ 3855 (between perfs 3842 & 3866)
- Flush w/ 25 bbl 2% KCl (12.2 bbl over-flush). AIR: 5 BPM @ 3000#
- Record ISIP, SITP(5 min), SITP(10 min) & SITP(15 min).

Acidize Gross Interval: 3837-3842 w/ 12 bbl (504 gal) 15% HCl

- Set RBP PKR @ 3855 (between perfs 3842 & 3866)
- Pull EOT to 3842. Pump 12 bbl (504 gal) 15% NE Fe HCl followed by 9.9 bbl 2% KCl.
- SD and allow well to equalize (approx. tbg column: 125-3842)
- PUH & set PKR @ 3820 (above perf: 3837; csg collar: 3828)
- Flush w/ 25 bbl 2% KCl (12.3 bbl over-flush). AIR: 5 BPM @ 3000#
- Record ISIP, SITP(5 min), SITP(10 min) & SITP(15 min).

POOH w/ tbg, PKR & RBP.

8. PU & RIH w/ 3-1/2", 9.3#, N-80 tbg w/ PKR (5-1/2", 17#). Test tbg @ 8500# while RIH (3-1/2", 9.3#, N-80 Internal Yield Prs: 10,160#).

Set PKR @ 3720 (between DVT: 3691-3694 & csg collar: 3739). Test 3-1/2" x 5-1/2" annulus & PKR @ 500#.

9. RU SLB. Set treating line pop-off to release @ 8500#.

Set pump trips @ 8000#.

Install spring-operated relief valve on csg-tbg annulus. Pre-set @ 500#.

Load 3-1/2" x 5-1/2" annulus. Note annulus fill volume. Place 200# on csg.

Test surface lines @ 9000#.

ProTechnic to tag frac (Ir-192 @ 0.425 mCi per 1000# 20/40 Brown & Sb-124 @ 0.4 mCi per 1000# resin-coated 20/40 Brown)

Frac 3837-3982 down 3-1/2", 9.3#, N-80 tbg w/ 89,000 gal YF120ST w/ 68,250# 20/40 Brown sand & 57,750# resin-coated 20/40 Brown sand. Mark flush @ 1#. Flush w/ 1400 gal WF110 (capacity to uppermost perforation: 1474 gal; 35.1 bbl). Anticipated treating rate: 30 BPM @ 6000#.

	Fluid	Proppant	Clean Vol.			Proppant			Slurry Vol			Pump Time @ 30 BPM	
			gal	bbl	cum bbl	ppg	lbs	cum lbs	gal	bbl	cum bbl	min.	cum min.
Pad	YF120ST		35000	833.3	833.3	0.00	0	0	35000	833.3	833.3	27.8	27.8
Stage	YF120ST	20/40 Brown	3000	71.4	904.8	0.25	750	750	3034	72.2	905.6	2.4	30.2
Stage	YF120ST	20/40 Brown	3000	71.4	976.2	0.50	1500	2250	3068	73.0	978.6	2.4	32.6
Stage	YF120ST	20/40 Brown	3000	71.4	1047.6	0.75	2250	4500	3102	73.9	1052.5	2.5	35.1
Stage	YF120ST	20/40 Brown	3000	71.4	1119.0	1.00	3000	7500	3136	74.7	1127.1	2.5	37.6
Stage	YF120ST	20/40 Brown	3000	71.4	1190.5	1.25	3750	11250	3170	75.5	1202.6	2.5	40.1
Stage	YF120ST	20/40 Brown	3000	71.4	1261.9	1.50	4500	15750	3204	76.3	1278.9	2.5	42.6
Stage	YF120ST	20/40 Brown	3000	71.4	1333.3	1.75	5250	21000	3238	77.1	1356.0	2.6	45.2
Stage	YF120ST	20/40 Brown	3000	71.4	1404.8	2.00	6000	27000	3272	77.9	1433.9	2.6	47.8
Stage	YF120ST	20/40 Brown	3000	71.4	1476.2	2.25	6750	33750	3306	78.7	1512.6	2.6	50.4
Stage	YF120ST	20/40 Brown	3000	71.4	1547.6	2.50	7500	41250	3340	79.5	1592.1	2.7	53.1
Stage	YF120ST	20/40 Brown	3000	71.4	1619.0	2.75	8250	49500	3374	80.3	1672.4	2.7	55.7
Stage	YF120ST	20/40 Brown	3000	71.4	1690.5	3.00	9000	58500	3408	81.1	1753.6	2.7	58.5
Stage	YF120ST	20/40 Brown	3000	71.4	1761.9	3.25	9750	68250	3442	81.9	1835.5	2.7	61.2
Stage	YF120ST	RC 20/40 Brown	3000	71.4	1833.3	3.50	10500	78750	3476	82.8	1918.3	2.8	63.9
Stage	YF120ST	RC 20/40 Brown	3000	71.4	1904.8	3.75	11250	90000	3510	83.6	2001.8	2.8	66.7
Stage	YF120ST	RC 20/40 Brown	3000	71.4	1976.2	4.00	12000	102000	3544	84.4	2086.2	2.8	69.5
Stage	YF120ST	RC 20/40 Brown	3000	71.4	2047.6	4.00	12000	114000	3544	84.4	2170.6	2.8	72.4
Stage	YF120ST	RC 20/40 Brown	3000	71.4	2119.0	4.00	12000	126000	3544	84.4	2255.0	2.8	75.2
Flush	WF110		1400	33.3	2152.4	0	0	126000	1400	33.3	2288.3	1.1	76.3
			90400	2152			126000		96108	2288		76.3	

Report ISIP, SITP(5 min), SITP(10 min) & SITP(15 min). RD SLB. SDON.

10. SION to allow resin-coated sand to cure. Flow back well until dead. POOH & LD 3-1/2", 9.3#, N-80 frac string & PKR.

11. RIH w/ 2-7/8" tbg w/ csg scraper (5-1/2", 17#) to CIBP @ 4300. Circ well w/ 2% KCl brine (well capacity to 4300 w/ tbg: 90.3 bbl). POOH.

12. RU ProTechnic. NU lubricator. RIH w/ ProTechnic post-frac SpectraScan Spectral Gamma Ray memory tool. Log from 4250 to 3500 (gross completion interval: 3837-3982).

POOH. ND & LD lubricator.

13. RU SLB. NU lubricator & test @ 500#.

Perforate following San Andres intervals @ 60-degree phasing w/ 3-3/8", HSD PowerJet 3406, HMX, 22.8 gm. (EHD: 0.37 in.; Penetration: 37 in.)...

	top	blm	ft.	SPF	Perfs
San Andres	3992	3999	7	3	21
	4035	4068	33	3	99
	4073	4078	5	3	15
	4100	4104	4	3	12
	4109	4113	4	3	12
	4119	4125	6	3	18
	4126	4137	11	3	33
	4140	4149	9	3	27
	4208	4212	4	3	12
	4216	4220	4	3	12
	4227	4235	8	3	24
			95		285

14. RIH w/ tbg, PKR & RBP. Acidize San Andres perforations w/ total 161 bbl (6762 gal) 15% NE Fe HCl:

Acidize Gross Interval: 4208-4235 w/ 24 bbl (1008 gal) 15% HCl

- Set RBP @ 4250 (below perf: 4235; csg collar: 4270)
- Pull EOT to 4235. Pump 24.0 bbl (1008 gal) 15% NE Fe HCL
- SD and allow well to equalize (approx. tbg column: 246-4235)
- PUH & set PKR @ 4175 (between perfs: 4149 & 4208; csg collar: 4184)
- Flush w/ 40 bbl 2% KCl (14.4 bbl over-flush). AIR: 5 BPM @ 3000#
- Record ISIP, SITP(5 min), SITP(10 min) & SITP(15 min).

Acidize Gross Interval: 4100-4149 w/ 60 bbl (2520 gal) 15% HCl

- Set RBP @ 4175 (between perfs: 4149 & 4208; csg collar: 4184)
- Pull EOT to 4149. Pump 23.6 bbl (991gal) 15% NE Fe HCL
- SD and allow well to equalize (approx. tbg column: 241-4149)
- PUH & set PKR @ 4085 (between perfs 4078 & 4100; csg collar: 4096)
- Pump additional 36.4 bbl (1529 gal) 15% NE Fe HCL.
- Flush w/ 40 bbl 2% KCl (14.9 bbl over-flush). AIR: 5 BPM @ 3000#
- Record ISIP, SITP(5 min), SITP(10 min) & SITP(15 min).

Acidize Gross Interval: 4035-4078 w/ 65 bbl (2730) gal 15% HCl

- a. Set RBP @ 4085 (between perfs 4078 & 4100; csg collar: 4096)
- b. Pull EOT to 4078. Pump 23.1 bbl (970 gal) 15% NE Fe HCl.
- c. SD and allow well to equalize (approx. tbg column: 237-4078)
- d. PUH & set PKR @ 4020 (between perfs 3999 & 4035; csg collar: 4010)
- e. Pump additional 41.9 bbl (1760 gal) 15% NE Fe HCl
- f. Flush w/ 40 bbl 2% KCl (15.5 bbl over-flush). AIR: 5 BPM @ 3000#
- g. Record ISIP, SITP(5 min), SITP(10 min) & SITP(15 min).

Acidize Intervals: 3992-3999 w/ 12 bbl (504 gal) 15% HCl

- a. Set RBP @ 4020 (between perfs 3999 & 4035; csg collar: 4010)
- b. Pull EOT to 3999. Pump 12 bbl (504 gal) 15% NE Fe HCl followed by 10.7 bbl 2% KCl.
- c. SD and allow well to equalize (approx. tbg column: 126-3999)
- d. PUH & set PKR @ 3987 (between perfs: 3982 & 3992)
- e. Flush w/ 30 bbl 2% KCl (17.4 bbl over-flush). AIR: 2 BPM @ 3000#
- f. Record ISIP, SITP(5 min), SITP(10 min) & SITP(15 min).

15. RIH . Set RBP @ 4250 (below perf: 4235; csg collar: 4270). Set PKR @ 4175 (between perfs: 4149 & 4208; csg collar: 4184)

Swab test interval 4208-4235 for recovery volume of 100 bbl....50% in excess of load volume (estimated formation load: 38.4 bbl; tbg & csg capacity to lowermost perforation: 25.6 bbl).

POOH & LD 2-7/8" work string, PKR & RBP.

16. If 4208-4235 swab tested at commercial rates:

Down hole equip w/ PROPOSED design in WellView. Anticipated surface production @ 100% runtime after load recovery: 50 BPD.

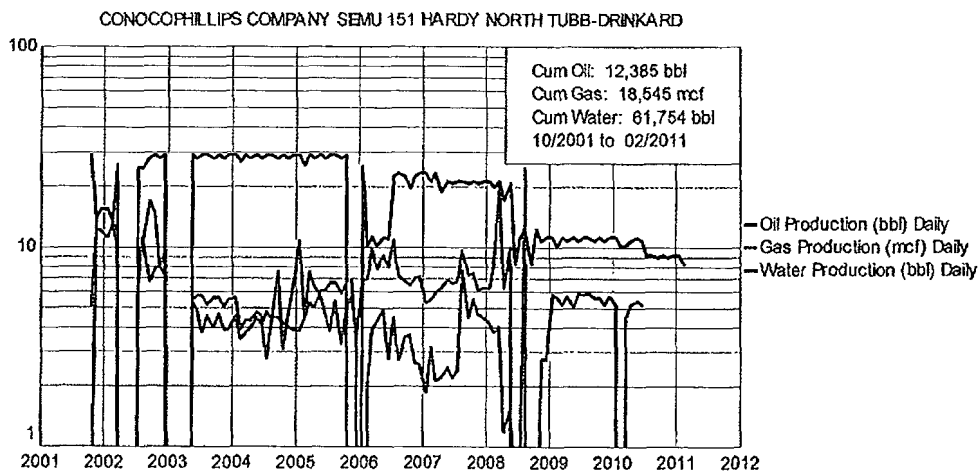
If 4208-4235 swab tested at non-commercial rates:

- a. RIH w/ tbg & CIBP (5-1/2", 17#). Set CIBP @ 4175 (between perfs: 4149 & 4208; csg collar: 4184)
- b. POOH w/ tbg.
- c. Down hole equip w/ PROPOSED design in WellView. Anticipated surface production @ 100% runtime after load recovery: 50 BPD.

	Capacity		Internal Diam. : in.		Internal Yield (Burst): psi	
	bbl / ft	gal /ft	nom.	drift	100%	80%
2-7/8", 6.5#, J-55	0.00579	0.2431	2.441	2.347	7260	5808
3-1/2", 9.3#, N-80	0.0087	0.3652	2.992	2.867	10160	8128
5-1/2", 17#, J-55	0.02324	0.9764	4.892	4.767	5320	4256
2-7/8" x 5-1/2", 17#	0.0152	0.6392				
3-1/2" x 5-12", 17#	0.0113	0.4766				

	SEMU 151 (API: 30-025-35338)
	1650 FSL & 330 FEL, 25L-20S-37E
	Elev.: 3525 KB; 3514 GL (KB - GL: 11 ft.)
04.23.01	Spud 12-1/4" hole
04.25.01	8-5/8", 24#, J-55 @ 1518. Cmt w/ 665 sx. Circ 34 bbl to surface.
05.13.01	TD @ 7900.
	5-1/2", 17#, K-55 @ 7900 w/ DVT @ 3652 (CBL 06.07.01). Cmt w/ total 850 sx. TOC: surface (CBL 06.07.01)
	<u>STRAWN</u>
06.07.01	Perforate Strawn: 7822-7856
	7876-7886
06.11.01	Isolate 7822-7856. Breakdown 7822-7856 w/ 300 gal 15% NE Fe HCl. P(max): 4800#. ISIP: 3000#.
	Acid 7822-7856 w/ 3000 gal 15% NEFe HCL & 100 bs @ 3-4 BPM. P(max): 5000#. P(avg): 4000#.
	ISIP: 4100#. SITP(5 min): 4000#. SITP(10 min): 3920#. SITP(15 min): 3850#
	note: limited leak-off may suggest low-perm
06.12.01	CIBP @ 7800. Cap w/ 35 ft cmt
	<u>ABO</u>
06.15.01	Perforate Abo: 7194-7196
	7202-7210
	7217-7219
	7234-7236
	7240-7247
	7315-7317
	7396-7400
	7447-7449
06.20.01	Acid 7194-7449 3000 gal 15% NEFe HCl & 120 bs @ 2-3 BPM. P(max): 6500#. P(avg): 6300#.
	ISIP: 6250#. SITP(5 min): 5750#. SITP(10 min): 5620#. SITP(15 min): 5575#. SITP(24 hrs): 5575#
	note: limited leak-off may suggest low-perm
06.21.01	CIBP @ 7000. Cap w/ 35 ft cmt
	<u>DRINKARD</u>
06.25.01	Perforate Drinkard: 6843-6846
	6852-6855
	No record of Drinkard treatment or test
06.26.01	CIBP @ 6800. Cap w/ 35 ft cmt
	<u>TUBB</u>
06.28.01	Perforate Tubb: 6442-6444 @ 2 spf
	6449-6451 @ 2 spf
	6479-6492 @ 2 spf
	Acid 6442-6492 w/ 1200 gal 15% NE Fe HCl & 74 bs @ 5 BPM. Breakdown @ 3030#. P(max): 5050# (ball-out). P(avg): 3470#
	ISIP: 2330#. SITP(5 min): 2140#. SITP(10 min): 2051#. SITP(15 min): 1815#.
07.03.01	Frac 6442-6492 down 5-1/2" csg w/ 47,125 gal & 46,710# 16/30 RC sand @ 35-40 BPM. P(max): 3550#. P(avg): 3500#.
	Went to flush during 5-8# stage w/ 6# on perforations. Pump 30 bbl flush (capacity to top perf. 149.7 bbl).

	ISIP: 3250#. SICP(120 min): 1350#. Flow back 65 bbl in 45 minutes. Well died.
pre-09.17.01	Perforate Tubb: 6481-6494 @ 4 spf Spot 4000 gal 15% NEFe HCl.
09.17.01	Displace acid w/ 150 bbl (csg cap to perf: 150 bbl) 2% KCl slick water @ 26 BPM. ATP: 3680#.
	Run FET w/ 84 bbl (rates & prs NR). SD. ISIP: 2720# (grad: 0.86 psi/ft)
	Pump 500 gal w/ 2 ppg 16/30 sand & displace w/ 150 bbl. AIR(start): 27 BPM @ 3950#. AIR(end): 27 BPM @ 3700#.
	Pump 24 bbl pre-pad followed by 176 bbl pad volume w/ 0.5 ppg 100-mesh sand.
	AIR(start): 20 BPM @ 3950#. AIR(end): 15 BPM @ 3950#.....rate decr from 20 BPM to 15 BPM w/ 26 bbl of 0.5 ppg 100-mesh in formation.
	SD. Flow back 30 bbl. Resume pumping. Pump 74 bbl @ 11 BPM. ATP: 3950#. SD.
	Pump 4000 gal 15% NEFe HCL. AIR(start): 10 BPM @ 3880#. AIR(end): 12 BPM @ 3850#.
	Displace acid w/ 200 bbl. AIR(start): 12 BPM @ 3850#. AIR(end): 25 BPM @ 3500#.
	Pump 24 bbl pre-pad. AIR(start): 25 BPM @ 3500#. AIR(end): 33 BPM @ 3600#.
	Pump 365 bbl pad w/ 0.25# 100-mesh. AIR(start): 33 BPM @ 3600#. AIR(end): 34 BPM @ 3730#
	Pump 108 bbl 1-5 ppg stage. AIR(start): 33 BPM @ 3730#. AIR(end): 38 BPM @ 3590#
	Pump 124 bbl 5-8 ppg stage. AIR(start): 38 BPM @ 3590#. AIR(end): 40 BPM @ 3600#
	Pump 134 bbl 8-10 ppg stage. AIR(start): 40 BPM @ 3600#. AIR(end): 40 BPM @ 3700#
	Pump 70 bbl 10 ppg stage. AIR(start): 40 BPM @ 3700#. AIR(end): 40 BPM @ 3750#
	Pump 57 bbl flush & screened-out w/ 8# on perfs (cap to perf: 150 bbl). AIR(start): 40 BPM @ 3750#. AIR(end): 0 BPM @ 4000#.
10.28.01	IPP: 1 BOPD 98 BWPD 20 MCFPD
	<u>Historical Well Tests</u>
04.04.07	3 BOPD 21 BWPD 5 MCFPD
01.31.08	1 BOPD 5 BWPD 63 MCFPD
05.30.08	2 BOPD 11 BWPD 0 MCFPD
07.31.08	0 BOPD 12 BWPD 25 MCFPD
08.31.08	0 BOPD 12 BWPD 0 MCFPD
10.31.08	1 BOPD 11 BWPD 3 MCFPD
06.28.10	2 BOPD 9 BWPD 0 MCFPD



**SEMU 151
30-025-35338
ConocoPhillips Co.
December 27, 2011
Conditions of Approval**

- 1. Set CIBP at 6392' (50' to 100' above uppermost perforation) and either bail 35' of cement or spot 25 sx on the top.**
- 2. Spot a minimum of 25 sx of cement from 5310'-5160'. (top of Glorietta at 5260')**
3. Surface disturbance beyond the originally approved pad must have prior approval.
4. Closed loop system required.
5. 2000 (2M) BOP to be used. All blowout preventer (BOP) and related equipment (BOPE) shall comply with reasonable well control requirements. A two ram system with a blind ram and a pipe ram designed for the size of the work string shall be adequate. Tapered work strings will require an additional pipe ram. The manifold shall comply with Onshore Oil and Gas Order #2 Attachment I (2M Diagrams of Choke Manifold Equipment). The accumulator system shall have an immediately available power source to close the rams and retain 200 psi above pre-charge. The pre-charge test shall follow requirements in Onshore Order #2.
6. Operator to have H2S monitoring equipment on location as H2S has been reported from wells in the area.
7. Subsequent sundry with well test and wellbore schematic required.

CRW 122711