

Amended

Form 3160-4
(August 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other		5. Lease Serial No. NNNM55149	
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. Other _____		6. If Indian, Allottee or Tribe Name	
2. Name of Operator OXY USA INCORPORATED		7. Unit or CA Agreement Name and No.	
Contact: JENNIFER A DUARTE E-Mail: jennifer_duarte@oxy.com		8. Lease Name and Well No. CORBIN SOUTH FEDERAL COM 2	
3. Address HOUSTON, TX 77210-4294		9. API Well No. 30-025-41424-00-S1	
3a. Phone No. (include area code) Ph: 713-513-6646		10. Field and Pool, or Exploratory CORBIN	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface NWSW 1900FSL 800FWL 32.759883 N Lat, 103.673551 W Lon JUL 07 2014 At top prod interval reported below NWSW 1900FSL 800FWL At total depth NWSW 1900FSL 800FWL		11. Sec., T., R., M., or Block and Survey or Area Sec 9 T18S R33E Mer NMP	
14. Date Spudded 01/02/2014		15. Date T.D. Reached 01/24/2014	
16. Date Completed ☐ D & A ☒ Ready to Prod. 04/01/2014		17. Elevations (DF, KB, RT, GL)* 3926 GL	
18. Total Depth: MD 12014 TVD 12014		19. Plug Back T.D.: MD 11927 TVD 11927	
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) COMBOLOGS	
22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run? ☒ No ☐ Yes (Submit analysis) Directional Survey? ☒ No ☐ Yes (Submit analysis)			

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
14.750	11.750 J55	47.0	0	1523		1480		0	
10.625	8.625 J55	32.0	0	2966		850		0	
7.875	5.500 P110	17.0	0	12014		2040		0	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	11305							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP SOUTH	10040	12014	10055 TO 11646	0.000	126	PRODUCING
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
10055 TO 11646	FLUID - 97,719 GALS WATER FRAC G - R; 15.618 GALS DELTA FRAC 140; R; 7,450 GALS 15% HCL PROPPANT

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
04/15/2014	04/15/2014	24	→	27.0	136.0	0.0	40.0		ELECTRIC PUMPING UNIT
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
SI	240	95.0	→	27	136	0	5037	POW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
SI			→						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #246802 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

JUL 15 2014

28b. Production - Interval C									
Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D									
Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas(Sold, used for fuel, vented, etc.)
SOLD

30. Summary of Porous Zones (Include Aquifers):	31. Formation (Log) Markers
Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.	

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
RUSTLER	1506			RUSTLER	1506
TANSILL	1714			SALADO	1714
SEVEN RIVERS	3449		DOLO, ANHY SHALE, SAND, OIL	TOP OF SALT	1714
SEVEN RIVERS	3449		DOLO, ANHY, SHALE, SAND, OIL	TANSILL	2667
QUEEN	4275		DOLO, ANHY, SANDSTONE, OIL	YATES	3107
QUEEN	4275		DOLO, ANHY, SANDSTONE, OIL	SEVEN RIVERS	3449
DELAWARE	5084			QUEEN	4275
BELL CANYON	5084		DOLO, SANDY DOLO, SANDSTONE, WATER	DELAWARE	5084
CHERRY CANYON	5228		DOLO, SANDY DOLO, SANDSTONE, WATER	CHERRY CANYON	5228
BRUSHY CANYON	5921		SANDSTONE, SHALE, DOLO, WATER	BONE SPRING	6899
BONE SPRING	6899			WOLFCAMP	10040
WOLFCAMP	10040				

32. Additional remarks (include plugging procedure):
BRUSHY CANYON - 5921
BONE SPRING - 6899
WOLFCAMP - 10040

33. Circle enclosed attachments:			
1. Electrical/Mechanical Logs (1 full set req'd.)	2. Geologic Report	3. DST Report	4. Directional Survey
5. Sundry Notice for plugging and cement verification	6. Core Analysis	7. Other:	

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #246802 Verified by the BLM Well Information System.
For OXY USA INCORPORATED, sent to the Hobbs
Committed to AFMSS for processing by LINDA JIMENEZ on 06/11/2014 (14LJ0293SE)

Name (please print) JENNIFER A DUARTE Title REGULATORY SPECIALIST

Signature (Electronic Submission) Date 05/23/2014

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.

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****

WELLBORE DIAGRAM

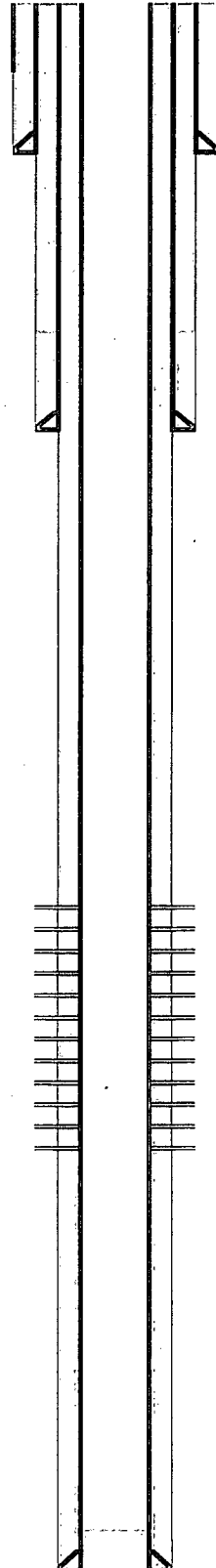
(updated: 04-11-14 DJA)

WELL : Corbin South Federal Com #2
 FIELD :
 API # : 30-025-41424
 GL elev : 3,926.9
 DF elev : 3,950.9
 KB elev : 3,951.9

Spudded: 01/02/14
 Completed: 04/01/14
 State: New Mexico
 County: Lea County
 Location: L-09-T18S-R33E
 Surface: 1,900' FSL & 800' FWL

Formation Tops:

RSLR	1506
SALT	1714
YATES	3107
SVRV	3449
QUEEN	4275
CAPITAN	4993
DLWR	5084
CHERRY CANYON	5228
BRUSHY CANYON	5921
BSGL	6899
1BSPG SS	8458
2BSPG Carb	8706
2BSPGsand	9035
2BSPG SS	9196
3BSPG Carb	9652
3BSPG SS	9861
WFMP	10040



16" Conductor Pipe set @ 125'

Surface Casing:

11-3/4" 47 ppf J-55 @ 1,523', cmt w/ 1,130
 sxs, circ. 6 sxs; 14 3/4" hole dia.

Intermediate Casing:

8-5/8" 32 ppf J-55 @ 2,966', cmt w/ 620 sxs, circ.
 129 sxs; 10 5/8" hole dia.

Production Casing:

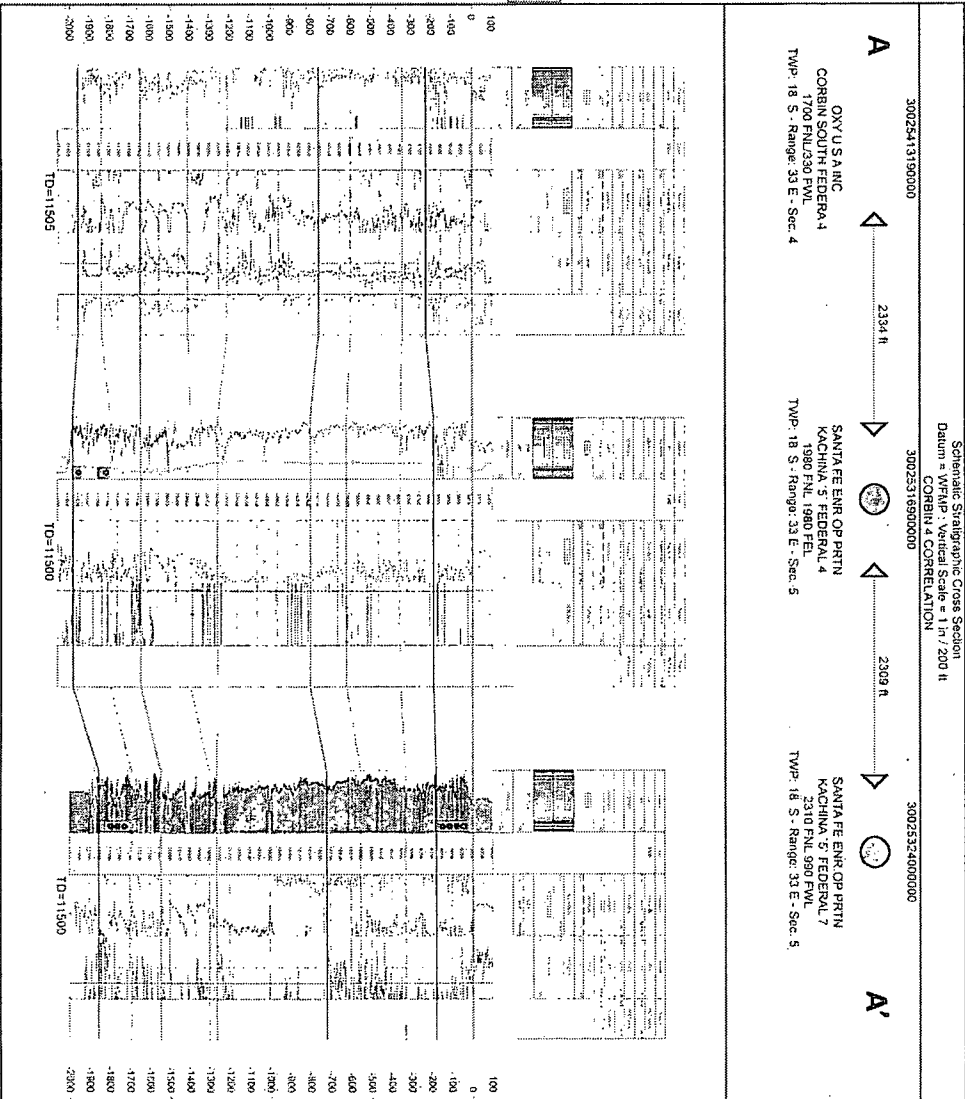
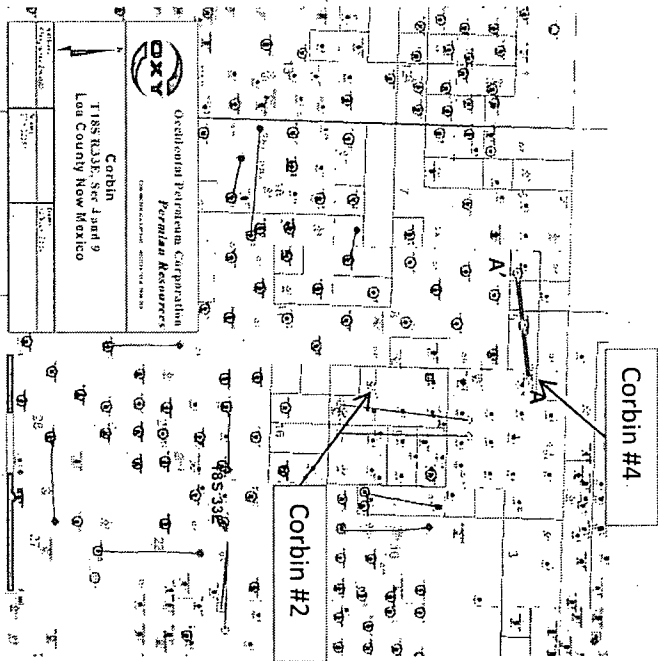
5-1/2" 17 ppf P-110 @ 12,014', cmt w/ 1,270 sxs, circ. 106 sxs; 7-
 7/8" hole dia.

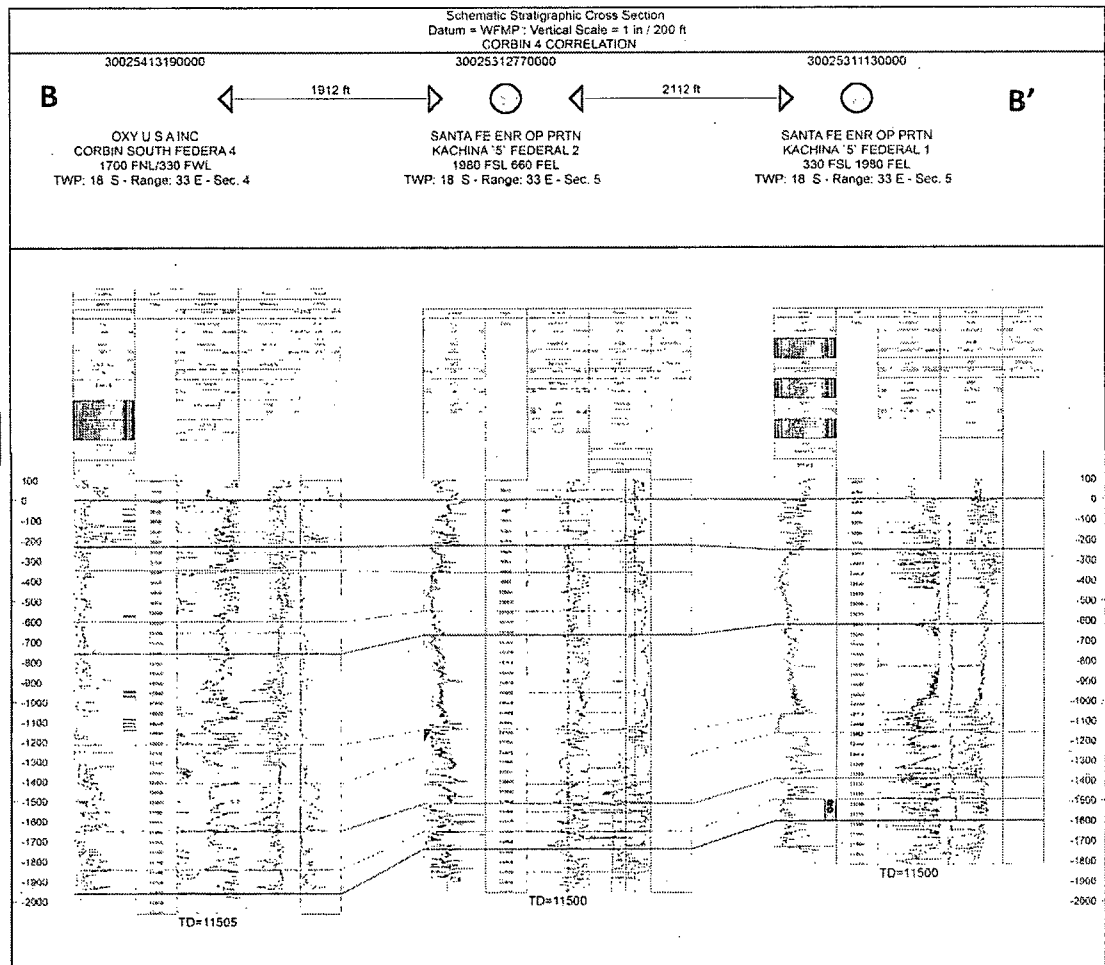
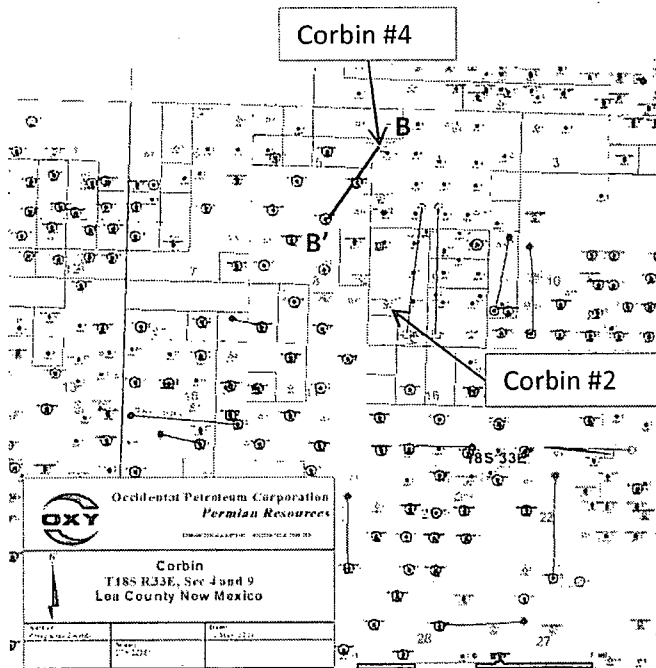
Wolfcamp Perfs:

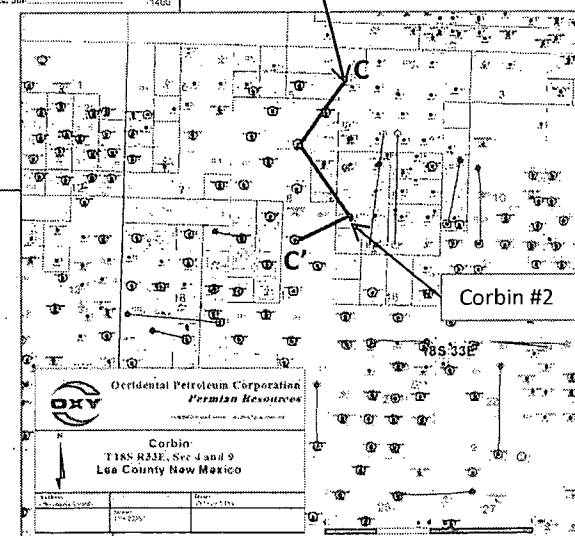
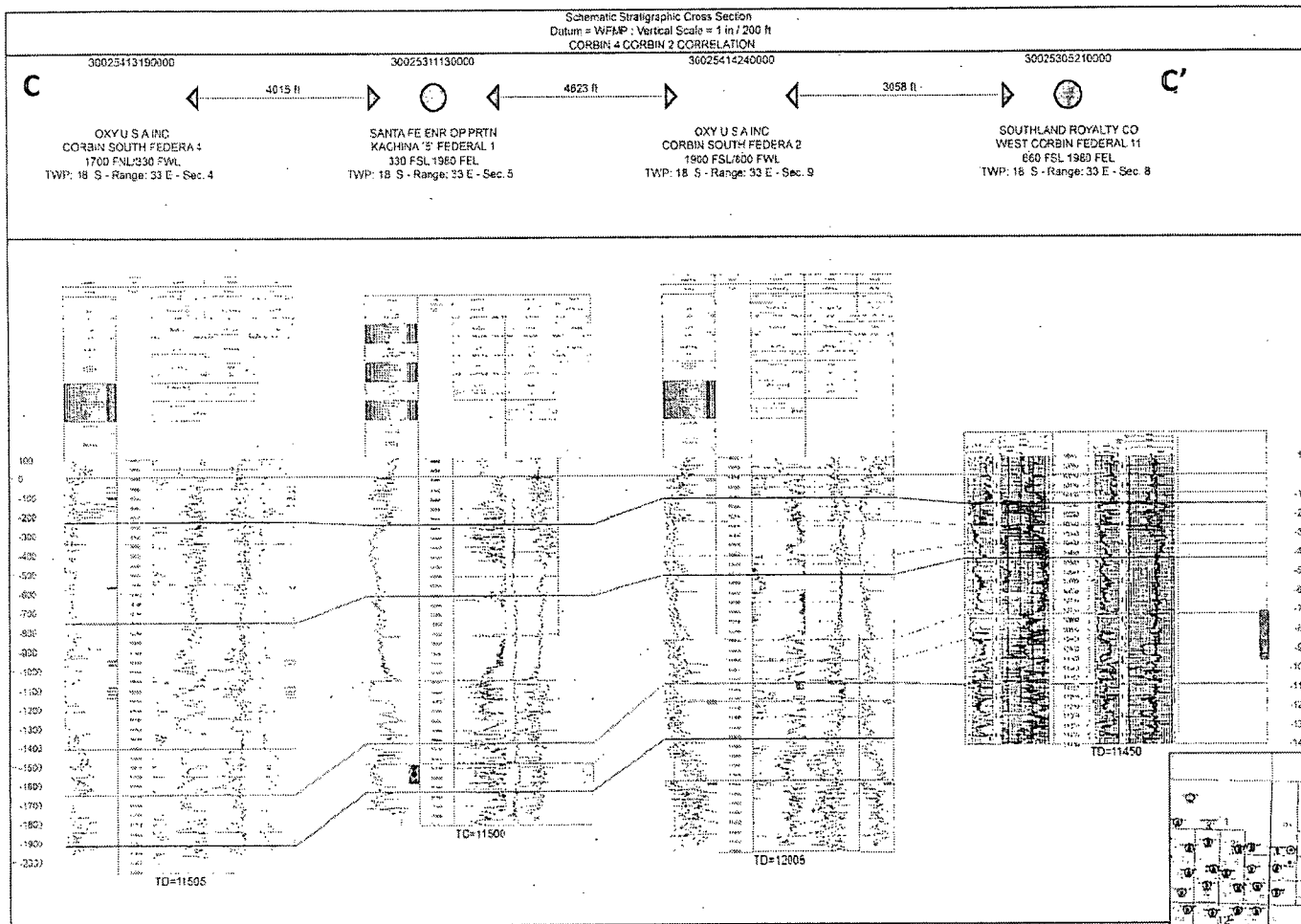
02/18/14 - 10,055' - 10,057' / 10,064' - 10,068' / 10,134' - 10,140' /
 10,178' - 10,182' / 11,206' - 11,214' / 11,222' - 11,227' / 11,640' -
 11,646' (Total 42 holes, 1 spf, 90 deg phasing, 0.43" hole
 diameter)
 03/14/14 - 10,162' - 10,167' / 10,188' - 10,193' / 11,208' - 11,213' /
 11,220' - 11,225' (Total 84 holes, 4 spf, 90 deg phasing, 0.43"
 hole diameter)
 03/20/14 - Stimulated with 97,719 gals Water Frac G - R; 15,618
 gals Delta Frac 140 - R; 7,450 gals 15% HCl Proppant 43,662
 lbs CRC-20/40 LT

PBTD @ 11,927'

Total Depth @ 12,014'







Corbin South Fed Com #2

02/07/14 Tested csg to 8,500 psi Per BLM Requirements. Tested good for 30 min.

02/18/14 – Perforate 11,640' – 11,646' / 11,650' – 11,654' (Total 12 holes, 1 spf, 90 deg phasing, 0.43" hole diameter)

02/19/14 – Spot 100 gals 15% HCl across perms. Set packer at 11,577'. Could not break down perms from 11,640' – 11,654'.

02/20/14 – 02/24/14 – Attempt to break down perms from 11,640' – 11,654'. Unsuccessful, plan to set plug over perms.

02/25/14 – Set CIBP @ 11,400 and cap with 3 sxs cmt. Test casing to 5,000 psi for 30 minutes. Held good.

02/26/14 – Perforate 11,206' – 11,214' / 11,222' – 11,227' (Total 15 holes, 1 spf, 90 deg phasing, 0.43" hole diameter)

02/27/14 – Spot 250 gals 15% HCl across perms. Set packer at 11,140'. Stimulated with 3,500 gals 15% NEFE HCl at 2.9 bpm and 5,940 psi.

02/28/14 – Swabbed 56 bbls of water.

03/01/14 – Swabbed 63 bbls of oil @ 50% oil cut.

03/03/14 – Pull packer and tubing.

03/04/14 – Set CIBP @ 10,250' and cap w/ 3 sxs cmt. Pressure test casing to 5000 psi, held for 30 minutes, tested good.

03/05/14 – Perforate 10,055' – 10,057' / 10,064' – 10,068' / 10,134' – 10,140' / 10,178' – 10,182' (Total 20 holes, 1 spf, 90 deg phasing, 0.43" hole diameter)

03/06/14 – Set packer at 9,988'. Stimulated with 3,500 gals 15% NEFE HCl at 1.5 bpm and 4,535 psi. Swab 19 bbls of oil and 57 bbls of water.

03/07/14 – Swab 40 bbls of oil and 10 bbls of water.

03/08/14 – Swab 21 bbls oil and 0 bbls of water.

03/10/14 – Drill cmt and CIBP @ 10,250'.

03/11/14 – Drill cmt and CIBP @ 11,400'.

03/12/14 – 03/13/14 – Clean out PBTD and circulate well clean.

03/14/14 – **Perforations** 10,162' - 10,167' / 10,188' - 10,193' / 11,208' - 11,213' / 11,220' - 11,225' (Total 84 holes; 4 spf, 90 deg phasing, 0.43" hole diameter)

03/20/14 – 03/21/14 – **Fluid** 97,719 gals Water Frac G - R; 15,618 gals Delta Frac 140 - R; 7,450 gals 15% HCl **Proppant** 43,662 lbs CRC-20/40 LT

03/22/14 – MIRU CLEANOUT RIG. BEGIN AFTER FRAC CLEANOUT.

03/28/14 – COMPLETE AFTER FRAC CLEANOUT TO PBTD.

03/31/14 – 04/01/14 – Run 2-3/8" J-55 tbg to 11,305'. Run production equipment.

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Date	5:00 AM FTP, PSI	5:00 AM FCP, PSI	5:00 AM GAS RATE, MCFD	5:00 AM Line or SEP pres.	5: AM Choke, 64TH'S	LAST 24 HRS Oil, BPD	LAST 24 HRS Water, BPD
04/12/2014	245	95	0		8	0	156
04/13/2014	240	90	0	70	6	0	152
04/14/2014	200	120	0	70	6	27	136
04/15/2014	230	115	0	75	8	40	109
04/16/2014	180	130	0	47	9	18	75
04/17/2014	540	60	0	55	13	35	69
04/18/2014	490	65	0	48	11	32	55
04/19/2014	520	65	0	54	10	18	49
04/20/2014	550	60	0	50	10	14	48
04/21/2014	580	55	0	63	6	14	30
04/22/2014	540	55	0	50	6	0	38
04/23/2014	540	65	0	65	6	0	77
04/24/2014	120	50	7	54	6	0	52
04/25/2014	510	50	6	50	6	0	65
04/26/2014	640	45	6	45	6	5	75
04/27/2014	680	40	6	40	6	0	54
04/28/2014	580	0	1	0	6	0	24
04/29/2014	1425	40	0	0	6	0	0
04/30/2014	60	60	0	0	6	0	0
05/07/2014	410	0	0	0	0	0	134
05/08/2014	410	85	0	0	0	0	212
05/09/2014	400	64	0	57	10	23	63
05/10/2014	25	60	0	57	10	26	55
05/11/2014	35	59	0	57	10	18	37

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04/16/2014	180	130	0	47	9	18	75
04/17/2014	540	60	0	55	13	35	69
04/18/2014	490	65	0	48	11	32	55
04/19/2014	520	65	0	54	10	18	49
04/20/2014	550	60	0	50	10	14	48
04/21/2014	580	55	0	63	6	14	30
04/22/2014	540	55	0	50	6	0	38
04/23/2014	540	65	0	65	6	0	77
04/24/2014	120	50	7	54	6	0	52
04/25/2014	510	50	6	50	6	0	65
04/26/2014	640	45	6	45	6	5	75
04/27/2014	680	40	6	40	6	0	54
04/28/2014	580	0	1	0	6	0	24
04/29/2014	1425	40	0	0	6	0	0
04/30/2014	60	60	0	0	6	0	0
05/07/2014	410	0	0	0	0	0	134
05/08/2014	410	85	0	0	0	0	212
05/09/2014	400	64	0	57	10	23	63
05/10/2014	25	60	0	57	10	26	55
05/11/2014	35	59	0	57	10	18	37