NMOCD

Artesia

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CONSERVATION
ARTESIA DISTRICT
MAR 29 2016
RECEIVED

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. NMNM22207

1a. Type of Well ☐ Oil Well ☐ Gas Well ☐ Dry ☒ Other: OTH
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator: EL PASO NATURAL GAS COMPANYE-Mail: anthony_trinko@kindermorgan.com
Contact: ANTHONY P TRINKO

8. Lease Name and Well No. WI FEDERAL 25

3. Address 2 N. NEVADA AVENUE COLORADO SPRINGS, CO 80903
3a. Phone No. (include area code) Ph: 719-520-4557

9. API Well No. 30-015-42685

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface SENE 1764FNL 590FEL
At top prod interval reported below SENE 1764FNL 590FEL
At total depth SENE 1764FNL 590FEL

10. Field and Pool, or Exploratory WASHINGTON RANCH (MORROW)

11. Sec., T., R., M., or Block and Survey or Area Sec 33 T25S R24E Mer 6PM

12. County or Parish EDDY
13. State NM

14. Date Spudded 06/21/2015
15. Date T.D. Reached 07/08/2015
16. Date Completed ☐ D & A ☒ Ready to Prod. 08/28/2015
17. Elevations (DF, KB, RT, GL)* 3779 KB

18. Total Depth: MD 7095 TVD 7095
19. Plug Back T.D.: MD 7031 TVD 7031
20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
AIT/HNGS, CNL/LDT/GR, BHCS

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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
36.000	24.000 API 5L	63.4	0	125			110	0	
20.000	16.000 J55	75.0	0	448		923	251	0	
13.500	10.750 J55	40.5	0	1000		445	124	0	
9.875	7.000 N80	26.0	0	7083	3313	1530	497	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)
4.500	6750	6750						

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	MORROW	6754	6934	6763 TO 6769	0.410	36	OPEN
B)				6824 TO 6830	0.410	36	OPEN
C)				6884 TO 6915	0.410	168	OPEN
D)				6928 TO 6933	0.410	30	OPEN

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

Depth Interval	Amount and Type of Material
6763 TO 6933	7.5% HALLIBURTON MCA ACID (1,500 GAL.)

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
Choke Size	**Tbg. Press. Flwg. SI**	**Csg. Press.**	**24 Hr. Rate →**	**Oil BBL**	**Gas MCF**	**Water BBL**	**Gas:Oil Ratio**	**Well Status**	

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. SI**	**Csg. Press.**	**24 Hr. Rate →**	**Oil BBL**	**Gas MCF**	**Water BBL**	**Gas:Oil Ratio**	**Well Status**	

ACCEPTED FOR RECORD
MAR 21 2016
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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

ELECTRONIC SUBMISSION #314996 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

Reclamation due: 02/28/2016

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.)*
UNKNOWN

30. Summary of Porous Zones (Include Aquifers):

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.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
MORROW M1	6754	6787	SANDSTONE, STORAGE GAS	DELAWARE	492
MORROW M2	6823	6835	SANDSTONE, STORAGE GAS	BONE SPRING	3592
MORROW M3	6858	6868	SANDSTONE, STORAGE GAS	STRAWN	5738
MORROW M4	6879	6924	SANDSTONE, STORAGE GAS	MORROW LIMESTONE	6570
MORROW M5	6926	6933	SANDSTONE, STORAGE GAS	MORROW CLASTICS	6684

32. Additional remarks (include plugging procedure):
ITEM 40. Casing and Liner Record Remarks:

24" Conductor Pipe cemented with 23 cu. yds. (110 Bbls.)of Redimix.

16" Surface Casing: Cement circulated after two top jobs. Data provided to BLM via. Form 3160-5 (Submitted 07/15/15)

10.75" Intermediate Casing: Cement circulated.

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 #314996 Verified by the BLM Well Information System.
For EL PASO NATURAL GAS COMPANY, sent to the Carlsbad
Committed to AFMSS for processing by DEBORAH HAM on 12/22/2015 ()

Name *(please print)* ANTHONY P TRINKO Title SR. RESERVOIR ENGINEER

Signature (Electronic Submission) Date 09/01/2015

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 fradulent statements or representations as to any matter within its jurisdiction.

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Additional data for transaction #314996 that would not fit on the form

32. Additional remarks, continued

7" Production Casing: Cement circulated on both stages.

ITEM 43. Perforation Record:
Interval 6,884' - 6,915' OA consists of the following intervals:
6,884'-6,892': 48 Holes
6,895'-6,905': 60 Holes
6,905'-6,915': 60 Holes

ITEM 54. Indicate which items have been attached by placing a check in the appropriate boxes:

Other: Rate of Penetration Plot Attached [WI Federal #25 Pason ROP Graph.pdf]

Note: Gamma Ray/Neutron log run to the surface is attached: [WI Federal #25 CNL.pdf]

All depths measured from RKB.

Core Lab

Company:	El Paso Natural Gas Company	Field:	Washington Ranch	File Number:	57181-20596
Well Name:	WI Federal #25	Formation:	Morrow		08/21/2015
Location:	Sec 33, T 25-S, R 24-E	Coring Fluid:	Fresh Water Mud	API Number:	30-015-42685
Co. & St.:	Eddy County, New Mexico	Elevation:	3778.9'	Analyst:	JS

Sample Number	Top Depth (ft)	Bottom Depth (ft)	K_{HOR} Air (md)	K_{VERT} Air (md)	POR (He) (% of BV)	GD (gm/cc)	So (% of PV)	Sw (% of PV)	Description
1	6746	6747	0.421	0.004	1.9	2.72	0.9	23.7	Sd, gry, med gr, tr pp, 0% flu tr cut
2	6747	6748	0.011	0.003	1.1	2.70	7.4	73.0	Sd, gry, f-med gr, calc, pelloid, 0% flu tr cut
3	6748	6749	63.3	8.60	9.7	2.66	0.7	36.2	Sd, gry, cse gr, tr igp, 0% flu p/fr cut
4	6749	6750	0.129	0.071	4.6	2.67	4.7	25.2	Sd, gry, med-cse gr, tr igp, 0% flu p/fr cut
5	6750	6751	0.014	0.002	1.6	2.67	3.3	58.6	Sd, gry, med-cse gr, calc, 0% flu tr cut
6	6751	6752	0.040	0.015	3.3	2.65	1.8	18.8	Sd, gry, cse-med gr, sl calc, tr igp, 0% flu p cut
7	6752	6753	0.131	2.35	4.6	2.66	0.6	16.7	Sd, gry, cse-med gr, tr pp, 0% flu p/fr cut
8	6753	6754	0.298	0.059	1.2	2.65	2.6	36.8	Sd, gry, cse gr, calc, sl pelloid, tr carb, 0% flu p cut
9	6758	6759	42.3	8.30	9.0	2.67	0.7	29.7	Sd, gry, cse gr, tr igp, 0% flu p/fr cut
10	6755	6756	40.0	2.55	8.5	2.69	7.9	25.5	Sd, gry, cse gr, sl calc, tr igp, 0% flu p cut
11	6756	6757	259	511	10.4	2.65	1.5	44.0	Sd, gry, cse gr, tr igp, 0% flu p/fr cut
12	6757	6758	479	382	10.8	2.65	1.0	44.9	Sd, gry, cse-med gr, tr igp, 0% flu p/fr cut
13	6758	6759	300	178	11.6	2.65	1.7	29.8	Sd, gry, cse gr, tr igp, 0% flu p/fr cut
14	6759	6760	0.539	3.81	5.3	2.66	1.7	17.4	Sd, gry, cse gr, tr igp, 0% flu p cut
15	6760	6761	15.8	0.020	8.4	2.67	1.2	42.8	Sd, gry, cse-med gr, sl calc, sl pelloid, tr pp, poro streak 0% flu p cut
16	6761	6762	2.11	0.843	7.9	2.65	1.1	19.0	Sd, gry, cse-med gr, tr igp, 0% flu p cut
17	6717	6718	0.002	<0.001	1.4	2.75	1.2	37.2	Lim, pelloid, spar, 0% flu tr cut
18	6726	6727	0.002	<0.001	1.2	2.72	1.1	29.8	Lim, pelloid, spar, 0% flu tr cut
19	6743	6744	4.00	<0.001	0.8	2.73	5.9	82.0	Lim, pelloid, sl spar, open lam high perm, 0% flu tr cut
20	6764	6765	2.00	0.108	1.9	2.67	1.0	28.8	Sd, gry, cse-med gr, calc, tr open carb lam high perm, sl pelloid, 0% flu p cut
21	6765	6766	0.088	0.027	2.6	2.67	4.1	21.6	Sd, gry, cse-med gr, sl calc, sl pelloid, 0% flu tr cut
22	6766	6767	0.190	0.016	1.3	2.68	7.8	37.6	Sd, gry, cse-med gr, sl calc, sl pelloid, 0% flu tr cut
23	6767	6768	0.026	0.013	1.2	2.68	2.7	45.8	Sd, gry, cse-med gr, sl calc, tr pelloid, 0% flu tr cut
24	6768	6769	1.33	2.19	7.1	2.66	2.1	18.9	Sd, gry, med-cse gr, tr pp, 0% flu p/fr cut
25	6769	6770	0.028	0.018	1.9	2.68	6.8	40.2	Sd, gry, med-cse gr, sl calc, tr pelloid, 0% flu tr cut
26	6770	6771	0.031	0.014	1.3	2.68	1.1	56.6	Sd, gry, med-cse gr, sl calc, tr pelloid, 0% flu p cut
27	6771	6772	0.021	0.014	1.2	2.68	3.0	66.7	Sd, gry, med-cse gr, sl calc, 0% flu tr cut
28	6772	6773	0.050	0.014	3.4	2.66	0.6	20.3	Sd, gry, med-cse gr, tr pp, 0% flu p/fr cut
29	6773	6774	39.1	5.92	8.7	2.70	2.6	28.9	Sd, gry, cse-med gr, tr pp, 0% flu p/fr cut
30	6774	6775	0.410	0.230	4.9	2.72	1.9	22.5	Sd, gry, cse gr, tr pp, 0% flu p/fr cut
31	6775	6776	0.007	0.006	1.9	2.70	2.8	21.8	Sd, gry, cse-med gr, tr pp, 0% flu p cut
32	6810	6811	0.005	<0.001	2.8	2.70	7.8	81.6	Sd, dk gry, f gr, tr pyrt, 0% flu tr cut
33	6811	6812	0.002	0.012	6.2	2.70	6.2	41.3	Sd, gry, f gr, lam, 0% flu tr cut
34	6812	6813	0.002	0.009	8.1	2.84	7.7	43.8	Sd, gry, f gr, lam, 0% flu tr cut
35	6813	6814	0.040	0.034	10.5	2.70	7.2	54.2	Sd, gry, f gr, lam, 0% flu p cut
36	6814	6815	0.033	0.040	10.4	2.70	7.0	54.6	Sd, gry, f gr, lam, 0% flu p cut
37	6815	6816	0.056	0.034	10.2	2.70	4.4	59.6	Sd, gry, f gr, lam, 0% flu p cut
38	6816	6817	0.083	0.062	10.3	2.71	2.6	61.5	Sd, gry, f gr, lam, 0% flu p cut

Core Lab

Company:	El Paso Natural Gas Company	Field:	Washington Ranch	File Number:	57181-20596
Well Name:	WI Federal #25	Formation:	Morrow		08/21/2015
Location:	Sec 33, T 25-S, R 24-E	Coring Fluid:	Fresh Water Mud	API Number:	30-015-42685
Co. & St.:	Eddy County, New Mexico	Elevation:	3778.9'	Analyst:	JS

Sample Number	Top Depth (ft)	Bottom Depth (ft)	K_{HOR} Air (md)	K_{VERT} Air (md)	POR (He) (% of BV)	GD (gm/cc)	So (% of PV)	Sw (% of PV)	Description
39	6817	6818	0.072	0.052	9.4	2.71	3.8	48.5	Sd, gry, f gr, lam, 0% flu p cut
40	6818	6819	0.096	0.048	9.5	2.80	4.6	50.3	Sd, gry, f gr, tr rk frag, 0% flu p cut
41	6819	6820	0.068	0.007	6.5	2.69	2.7	50.0	Sd, gry, f gr, 0% flu p cut
42	6820	6821	0.012	0.005	7.1	2.68	4.7	40.2	Sd, gry, f gr, lam, 0% flu p cut
43	6821	6822	0.035	0.015	6.6	2.68	6.3	46.4	Sd, gry, f gr, lam, 0% flu p cut
44	6822	6823	0.002	0.002	4.4	2.69	1.9	32.1	Sd, gry, f gr, 0% flu p cut
45	6828	6829	12.9	0.022	4.2	2.72	2.3	28.8	Sd, gry, cse gr, tr pp, tr dissol frac high perm, 0% flu p/fr cut
46	6829	6830	0.824	0.917	5.7	2.67	1.3	24.8	Sd, gry, cse-med gr, tr pp, 0% flu p/fr cut
47	6830	6831	4.29	1.49	6.2	2.67	3.7	37.8	Sd, gry, cse-med gr, tr pp, 0% flu p/fr cut
48	6831	6832	34.7	33.0	7.7	2.68	3.7	22.7	Sd, gry, cse-med gr, tr pp, 0% flu p/fr cut
49	6832	6833	16.2	27.4	9.0	2.66	2.3	22.2	Sd, gry, med-cse gr, tr pp, 0% flu p/fr cut
50	6833	6834	0.119	0.100	5.6	2.66	3.6	31.5	Sd, gry, med gr, tr pp, 0% flu fr/p cut
51	6834	6835	0.038	0.016	4.5	2.66	3.3	17.8	Sd, gry, med gr, tr pp, 0% flu p cut
52	6835	6836	0.116	0.021	4.2	2.68	4.1	27.1	Sd, gry, med-f gr, tr pp, 0% flu p cut
53	6836	6837	0.004	0.005	3.5	2.70	8.2	39.5	Sd, gry, f gr, 0% flu tr cut
54	6837	6838	0.008	<0.001	3.7	2.66	7.8	43.8	Sd, gry, f-med gr, 0% flu tr cut
55	6838	6839	0.005	<0.001	3.4	2.67	7.8	29.5	Sd, gry, med-f gr, 0% flu tr cut
56	6839	6840	0.017	<0.001	4.2	2.74	2.8	18.8	Sd, gry, med-f gr, 0% flu p/fr cut
57	6840	6841	0.567	0.129	4.6	2.74	4.1	33.9	Sd, gry, f-med gr, 0% flu p/fr cut
58	6841	6842	0.009	189	3.5	2.70	7.0	34.9	Sd, gry, med-cse gr, tr pp, 0% flu p cut
59	6843	6844	0.003	<0.001	1.8	2.89	6.6	64.5	Sd, gry, med-cse gr, sl calc, 0% flu p cut
60	6844	6845	0.002	<0.001	1.8	2.68	4.7	41.8	Sd, gry, med-cse gr, 0% flu poor cut
61	6845	6846	0.002	<0.001	2.1	2.81	3.1	89.5	Sd, dk gry, f-vf gr, sl pyrt, lam, 0% flu tr cut
62	6849	6850	0.033	0.056	5.3	2.66	4.3	28.4	Sd, gry, med-f gr, lam, 0% flu p/fr cut
63	6850	6851	0.976	1.02	7.9	2.66	5.9	37.1	Sd, gry, med gr, 0% flu p/fr cut
64	6851	6852	0.278	0.227	7.5	2.76	3.9	28.8	Sd, gry, med-f gr, 0% flu p/fr cut
65	6852	6853	0.525	0.369	6.7	2.66	3.6	19.9	Sd, gry, med-f gr, 0% flu p/fr cut
66	6853	6854	31.1	6.03	8.3	2.67	3.7	24.4	Sd, gry, cse-med gr, tr pp, 0% flu p/r cut
67	6854	6855	211	2.78	10.3	2.67	4.0	33.6	Sd, gry, cse gr, tr calc, tr pp, 0% flu p/fr cut
68	6855	6856	0.128	0.102	5.1	2.66	1.3	31.6	Sd, gry, med-cse gr, tr pp, 0% flu p/fr cut
69	6856	6857	232	0.060	8.4	2.69	5.7	32.8	Sd, gry, cse gr, tr calc, tr igp, 0% flu p/fr cut
70	6857	6858	47.8	16.8	10.9	2.65	4.8	38.5	Sd, gry, med gr, tr igp, 0% flu p/fr cut
71	6858	6859	135	124	11.4	2.64	3.1	33.5	Sd, gry, cse gr, tr igp, 0% flu p/fr cut
72	6859	6860	32.2	0.225	7.9	2.65	4.6	33.9	Sd, gry, cse-med gr, tr igp, 0% flu p/fr cut
73	6860	6861	2.78	0.646	6.1	2.64	4.3	53.3	Sd, gry, cse gr, tr pp, 0% flu p/fr cut
74	6861	6862	16.3	1.62	10.9	2.65	4.2	26.9	Sd, gry, med-cse gr, tr pp, 0% flu p/fr cut
75	6862	6863	5.85	3.33	11.4	2.79	2.8	41.3	Sd, gry, med gr, tr pp, 0% flu p/fr cut
76	6863	6864	21.1	0.162	10.9	2.65	3.3	30.4	Sd, gry, med-cse gr, tr pp, 0% flu p/fr cut

Core Lab

Company:	El Paso Natural Gas Company	Field:	Washington Ranch	File Number:	57181-20596
Well Name:	WI Federal #25	Formation:	Morrow		08/21/2015
Location:	Sec 33, T 25-S, R 24-E	Coring Fluid:	Fresh Water Mud	API Number:	30-015-42685
Co. & St.:	Eddy County, New Mexico	Elevation:	3778.9'	Analyst:	JS

Sample Number	Top Depth (ft)	Bottom Depth (ft)	K_{HOR} Air (md)	K_{VERT} Air (md)	POR (He) (% of BV)	GD (gm/cc)	So (% of PV)	Sw (% of PV)	Description
77	6864	6865	1.37	0.466	7.9	2.65	3.6	35.6	Sd, gry, med-cse gr, tr pp, 0% flu p/fr cut
78	6865	6866	0.719	0.056	3.4	2.65	3.5	33.8	Sd, gry, med-cse gr, tr pp, 0% flu p/fr cut
79	6866	6867	16.0	0.858	9.3	2.69	3.7	30.2	Sd, gry, med-cse gr, tr pp, 0% flu p/fr cut
80	6867	6868	5.09	0.514	6.8	2.68	4.6	20.6	Sd, gry, cse gr, tr pp, 0% flu p/fr cut
81	6868	6869	81.4	74.0	9.5	2.64	3.5	37.3	Sd, gry, cse gr, tr pp, 0% flu p/fr cut
82	6869	6870	49.8	29.6	10.0	2.64	3.0	36.0	Sd, gry, cse gr, tr pp, 0% flu p/fr cut
83	6870	6871	67.8	41.0	10.8	2.64	4.1	28.6	Sd, gry, cse-med gr, tr pp, 0% flu p/fr cut
84	6871	6872	50.1	37.8	10.5	2.64	3.2	26.7	Sd, gry, cse gr, tr pp, 0% flu p/fr cut
85	6872	6873	40.7	22.3	11.4	2.65	2.8	29.0	Sd, gry, med-cse gr, tr pp, 0% flu p/fr cut
86	6873	6874	6.46	0.704	8.5	2.66	2.7	21.5	Sd, gry, cse-med gr, tr pyrt, tr pp, 0% flu tr cut
87	6874	6875	11.8	0.499	8.6	2.64	2.4	24.7	Sd, gry, cse gr, tr pp, 0% flu p cut
88	6875	6876	40.6	16.3	10.1	2.65	2.8	28.4	Sd, gry, cse-med gr, tr pp, 0% flu p/fr cut
89	6876	6877	276	163	9.7	2.65	1.9	40.9	Sd, gry, cse gr, tr pp, 0% flu p/fr cut
90	6877	6878	185	59.9	9.8	2.65	2.5	41.0	Sd, gry, cse gr, tr pp, 0% flu p/fr cut
91	6878	6879	353	197	10.6	2.65	3.8	29.4	Sd, gry, cse gr, tr igp, 0% flu p/fr cut
92	6879	6880	236	19.2	9.7	2.65	1.9	41.6	Sd, gry, cse gr, tr igp, 0% flu p/fr cut
93	6880	6881	280	93.0	10.7	2.65	4.2	47.5	Sd, gry, cse gr, tr igp, 0% flu p/fr cut
94	6881	6882	156	118	10.7	2.65	4.1	39.8	Sd, gry, cse-med gr, tr pp, 0% flu p/fr cut
95	6882	6883	225	290	10.0	2.65	5.1	43.3	Sd, gry, cse gr, tr pp, 0% flu p/fr cut
96	6883	6884	18.0	5.17	9.2	2.76	2.8	48.7	Sd, gry, cse-med gr, tr pp, 0% flu p/fr cut
97	6884	6885	12.2	3.48	7.9	2.66	0.2	46.0	Sd, gry, cse-med gr, tr pp, 0% flu p/fr cut
98	6885	6886	11.1	4.36	7.8	2.65	3.0	36.4	Sd, gry, cse-med gr, tr pp, 0% flu p/fr cut
99	6886	6887	5.58	1.65	9.0	2.65	3.3	31.1	Sd, gry, cse-med gr, tr pp, 0% flu p/fr cut
100	6887	6888	54.9	38.8	7.6	2.66	0.8	48.2	Sd, gry, cse gr, tr shr, tr pp, 0% flu p/fr cut
101	6888	6889	0.113	0.130	3.9	2.65	3.7	19.5	Sd, gry, cse gr, tr pp, 0% flu p/fr cut
102	6889	6890	1.87	7.94	6.9	2.64	0.7	28.7	Sd, gry, cse-med gr, tr pp, 0% lfu p/fr cut
103	6890	6891	0.093	0.081	4.0	2.65	3.5	24.5	Sd, gry, cse-peb gr, tr pp, 0% flu p/fr cut
104	6891	6892	0.082	0.082	4.4	2.65	0.8	25.5	Sd, gry, cse-med gr, tr pp, 0% flu p/fr cut
105	6892	6893	0.491	0.038	5.4	2.65	0.3	44.0	Sd, gry, cse-med gr, tr pp, 0% flu p/fr cut
106	6893	6894	3.44	3.18	8.0	2.65	0.7	51.0	Sd, gry, med-cse gr, tr pp, 0% flu p/fr cut
107	6894	6895	29.0	0.524	8.4	2.67	0.4	44.1	Sd, gry, cse gr, tr shr, tr pp, 0% flu p/fr cut
108	6896	6897	4.06	5.82	6.1	2.66	0.6	37.5	Sd, gry, cse gr, tr shr, tr pp, 0% flu p/fr cut
109	6897	6898	98.3	85.4	8.0	2.67	0.3	43.6	Sd, gry, cse-peb gr, tr pp, 0% flu p/fr cut
110	6898	6899	17.3	0.045	7.2	2.66	0.5	46.8	Sd, gry, cse-peb gr, tr pp, 0% flu p/fr cut
111	6899	6900	35.3	31.2	8.1	2.65	0.3	35.0	Sd, gry, cse-peb gr, tr pp, 0% flu p/fr cut
112	6900	6901	182	139	8.4	2.66	0.2	47.9	Sd, gry, cse-peb gr, tr pp, 0% flu p/fr cut
113	6901	6902	228	117	9.6	2.68	0.4	45.1	Sd, gry, cse gr, tr pp, 0% flu p/fr cut
114	6902	6903	128	119	8.1	2.69	1.6	44.3	Sd, gry, cse-peb gr, tr pp, 0% flu p/fr cut
115	6903	6904	21.7	28.6	5.9	2.66	1.0	39.2	Sd, gry, cse-peb gr, tr pp, 0% flu p/fr cut

Core Lab

Company:	El Paso Natural Gas Company	Field:	Washington Ranch	File Number:	57181-20596
Well Name:	WI Federal #25	Formation:	Morrow		08/21/2015
Location:	Sec 33, T 25-S, R 24-E	Coring Fluid:	Fresh Water Mud	API Number:	30-015-42685
Co. & St.:	Eddy County, New Mexico	Elevation:	3778.9'	Analyst:	JS

Sample Number	Top Depth (ft)	Bottom Depth (ft)	K_{HOR} Air (md)	K_{VERT} Air (md)	POR (He) (% of BV)	GD (gm/cc)	So (% of PV)	Sw (% of PV)	Description
116	6904	6905	63.4	26.3	7.7	2.67	0.4	42.5	Sd, gry, cse gr, tr pp, 0% flu p/fr cut