



EOG Resources, Inc.
4000 North Big Spring, Suite 500
Midland, TX 79705
(915) 686-3600

July 14, 2005

New Mexico Oil Conservation Division
Attn: Mr. David Catanach
1220 South St. Francis Drive
Santa Fe, NM 87505

Re: Red Hills North Unit 801 & 904
Requested Information

RECEIVED
JUL 18 2005
OIL CONSERVATION
DIVISION

Dear David,

Enclosed please find information you requested for the amended area of review concerning our injection application for the Red Hills North Unit Nos. 801 & 904.

Also, please see the bottom hole locations have been added to the wellbore schematics for well nos. 801 & 904.

If additional information is needed, please contact me at 432 686 3689 or by email at stan_wagner@eogresources.com.

Sincerely,

EOG RESOURCES, INC.

Stan Wagner
Regulatory Analyst



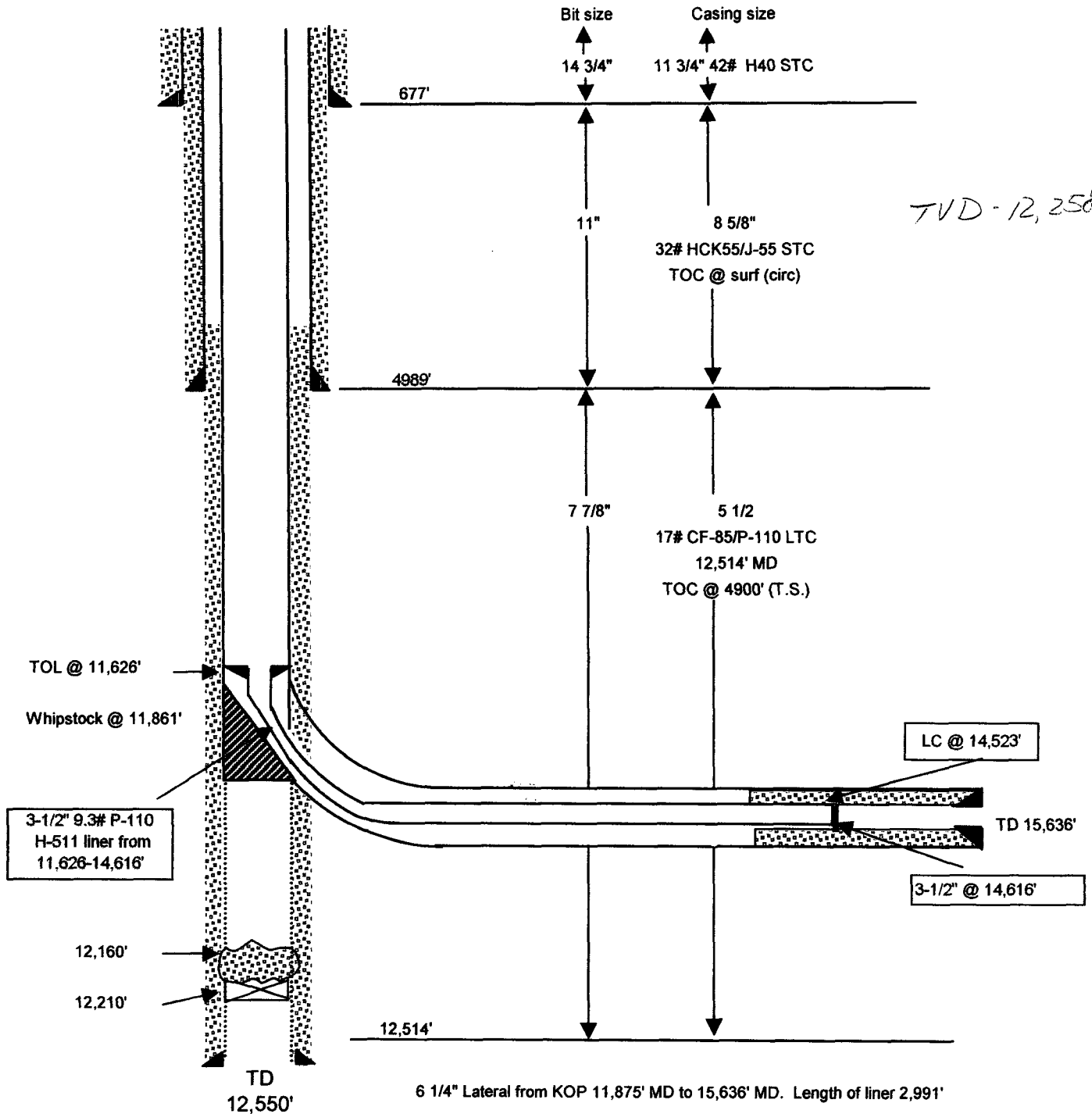
Red Hills North Unit No. 801 R/E

1827' FNL & 660' FWL
Sec. 18-25S-34E
Lea County, New Mexico

Deviation 618.03N & 3536.29E
BHL 1208.97N & 1083.71 FEL

30-025-32651

TVD - 12,250'



Company: EOG Resources, Inc
 Field: Red Hills North Unit
 City/Block/Par: Lee County, NM
 Well Name: RHPU # 801RE
 Rig: McVay Drilling # 7

Job Number: 838804
 Magnetic Decl.: 8.44
 Grid Corr.: 0.44
 Total Survey Corr.: 8.88
 Target Info:

Minimum Curvature
 Proposed Azimuth: 80.28
 Depth Reference: RKB
 Date Printed: 03/01/04

No.	Tool Type	Survey Depth (ft)	Incl (°)	Azimuth (°)	Course Lgth(ft)	TVD (ft)	VS (ft)	Coordinates			Closure		DLS (°/100')	Bld Rate (°/100')	Wk Rate (°/100')
								N/S (ft)	E/W (ft)		Dist (ft)	Ang (°)			
0	GYRO	11868	1.81	230.77		11862.21	63.72	142.48	S 78.91	E	162.87				
1	MWD	11925	13.80	76.90	69	11920.89	60.06	141.40	S 85.16	E	165.07	146.94	25.87	20.7	-260.1
2	MWD	11950	18.00	80.00	25	11944.73	68.90	140.06	S 91.87	E	167.50	146.74	17.13	18.8	12.4
3	MWD	11980	22.30	85.10	30	11972.89	77.22	138.78	S 102.11	E	172.29	143.85	15.47	14.3	17.0
4	MWD	12023	27.10	88.10	43	12011.95	95.10	137.40	S 120.02	E	182.44	138.88	11.20	11.2	2.3
5	MWD	12053	31.50	83.60	30	12038.10	109.73	136.05	S 134.84	E	191.41	135.30	15.22	14.7	-4.3
6	MWD	12086	34.90	83.60	33	12065.71	127.77	134.05	S 152.59	E	203.11	131.30	10.30	10.3	0.0
7	MWD	12117	37.20	81.70	31	12090.77	145.99	131.71	S 170.88	E	215.59	127.86	8.25	7.4	-6.1
8	MWD	12149	40.80	80.20	32	12115.87	165.08	128.54	S 190.82	E	229.82	124.01	11.02	10.8	-4.7
9	MWD	12180	44.20	78.40	31	12138.88	186.88	124.84	S 211.05	E	245.11	120.57	12.26	11.8	-5.8
10	MWD	12212	47.30	74.60	32	12160.89	208.84	119.29	S 233.32	E	262.04	117.08	12.89	9.7	-11.9
11	MWD	12243	48.80	71.30	31	12181.42	232.87	112.45	S 255.53	E	279.18	113.75	11.34	8.1	-10.6
12	MWD	12275	54.70	69.70	32	12201.00	257.80	104.00	S 279.38	E	298.70	110.42	15.81	15.3	-5.0
13	MWD	12308	61.50	67.20	31	12217.38	283.53	94.32	S 303.82	E	318.12	107.25	22.98	21.9	-8.1
14	MWD	12338	67.10	67.30	32	12231.25	311.81	83.17	S 330.40	E	340.71	104.13	17.60	17.6	0.3
15	MWD	12370	69.20	67.80	32	12243.16	340.58	71.83	S 357.85	E	364.99	101.35	6.72	6.8	1.6
16	MWD	12401	74.60	66.60	31	12252.79	369.27	60.42	S 385.00	E	389.71	98.92	17.80	17.4	-3.9
17	MWD	12443	82.70	66.40	42	12261.04	409.23	44.01	S 422.73	E	425.01	95.94	19.29	19.3	-0.3
18	MWD	12484	87.30	66.30	21	12262.87	429.53	35.62	S 441.89	E	443.32	94.61	21.91	21.9	-0.3
19	MWD	12527	90.20	67.80	63	12264.25	490.81	10.88	S 499.84	E	498.96	91.26	5.04	4.5	2.1
20	MWD	12559	90.90	67.80	32	12263.94	522.03	1.23	N 529.42	E	529.42	89.87	2.19	2.2	0.0
21	MWD	12621	92.00	67.90	62	12282.37	582.53	24.70	N 586.79	E	587.31	87.59	1.84	1.8	0.3
22	MWD	12654	92.10	68.80	33	12281.19	614.84	38.66	N 617.52	E	618.61	85.80	5.16	0.3	5.2
23	MWD	12717	91.70	68.10	63	12259.10	676.67	58.88	N 676.44	E	679.00	85.03	1.02	-0.8	-0.8
24	MWD	12780	91.70	69.10	63	12257.23	738.44	81.32	N 735.27	E	738.75	83.69	0.00	0.0	0.0
25	MWD	12843	92.20	69.00	63	12255.09	800.20	103.84	N 784.07	E	800.83	82.55	0.81	0.8	-0.2
26	MWD	12906	92.40	70.00	63	12252.56	862.04	125.88	N 853.03	E	862.27	81.81	1.82	0.3	1.6
27	MWD	12968	92.80	72.30	62	12249.88	923.19	145.89	N 911.85	E	923.25	80.91	3.72	0.3	3.7
28	MWD	13031	92.00	73.00	63	12247.33	985.58	164.68	N 971.73	E	985.58	80.38	1.46	-1.0	1.1
29	MWD	13094	90.70	74.80	63	12245.84	1048.18	182.23	N 1032.21	E	1048.17	79.99	3.27	-2.1	2.5
30	MWD	13155	88.80	76.80	61	12248.11	1108.98	197.30	N 1091.31	E	1109.01	79.75	4.77	-3.1	3.6
31	MWD	13220	88.30	79.00	65	12247.76	1173.88	210.92	N 1154.85	E	1173.95	79.65	3.47	-0.8	3.4
32	MWD	13283	88.10	80.00	63	12248.73	1236.84	222.39	N 1216.76	E	1236.92	79.64	1.62	-0.3	1.6
33	MWD	13346	89.40	79.80	63	12251.11	1299.82	233.55	N 1278.75	E	1299.90	79.65	2.18	2.1	-0.6
34	MWD	13409	91.10	79.30	63	12250.83	1362.81	248.08	N 1340.88	E	1362.90	79.64	2.74	2.7	-0.5
35	MWD	13472	91.50	79.10	63	12249.40	1425.78	258.88	N 1402.55	E	1425.88	79.62	0.71	0.6	-0.3
36	MWD	13538	91.80	79.70	63	12247.59	1488.75	268.47	N 1484.45	E	1488.85	79.61	1.06	0.5	1.0
37	BIT	13586	92.20	79.70	60	12245.85	1538.72	277.40	N 1513.61	E	1538.82	79.61	0.80	0.8	0.0

Company: EOG Resources, Inc
Field: Red Hills North Unit
City/Stat/Par: Lee County, NM
Well Name: RHNU # 801RE
Rig: McVay Drilling # 7

Job Number: 038804
Magnetic Decl.: 8.44
Grid Corr.: 0.44
Total Survey Corr.: 8.00
Target Info:

Minimum Curvature
Proposed Azimuth: 80.28
Depth Reference: RKB
Date Printed: 03/02/04

No.	Tool Type	Survey Depth (ft)	Incl (°)	Azimuth (°)	Course Lpth(ft)	TVD (ft)	VS (ft)	Coordinates		N/S (ft)	E/W (ft)	Closure		DLS (°/100')	Bld Rate (°/100')	Wlk Rate (°/100')
												Dist (ft)	Ang (°)			
36	MWD	13535	91.80	79.70	83	12247.89	1488.75	288.47	N	1484.45	E	1488.85	79.81	1.08	0.5	1.0
37	MWD	13598	91.50	80.50	83	12248.78	1581.72	279.30	N	1528.48	E	1551.82	79.63	1.38	-0.5	1.3
38	MWD	13681	89.80	80.70	83	12245.08	1614.72	289.55	N	1588.83	E	1614.81	79.87	2.72	-2.7	0.3
39	MWD	13724	90.20	80.30	83	12245.08	1677.71	299.88	N	1650.78	E	1677.80	78.70	0.90	0.6	-0.6
40	MWD	13787	88.60	81.00	83	12248.72	1740.71	310.22	N	1712.92	E	1740.79	79.73	2.77	-2.8	1.1
41	MWD	13860	88.30	81.20	83	12247.43	1803.68	319.86	N	1775.14	E	1803.75	79.78	0.57	-0.5	0.3
42	MWD	13913	88.40	80.80	83	12249.24	1886.65	329.92	N	1837.32	E	1888.71	79.82	0.87	0.2	-1.0
43	MWD	13978	88.80	80.70	83	12250.89	1929.62	340.15	N	1899.46	E	1929.88	79.86	0.38	0.3	0.2
44	SST	14029	89.00	80.70	53	12252.00	1982.61	348.71	N	1951.75	E	1982.66	79.87	0.75	0.8	0.0

Company: EOG Resources, Inc
Field: Red Hills North Unit
City/Blk/Par: Lee County, NM
Well Name: RHNU # 801RE
Rig: McVey Drilling # 7

Job Number: 636804
Magnetic Decl.: 8.44
Grid Corr.: 0.44
Total Survey Corr.: 8.08
Target Info:

Minimum Curvature
Proposed Azimuth: 80.28
Depth Reference: RMB
Date Printed: 03/03/04

No.	Tool Type	Survey Depth (ft)	Incl (°)	Azimuth (°)	Course Lgth(ft)	TVD (ft)	V8 (ft)	Coordinates			Closure		DLS (°/100')	Bld Rate (°/100')	Wk Rate (°/100')
								N/S (ft)	E/W (ft)		Dist (ft)	Ang (°)			
41	MWD	13850	88.30	81.20	63	12247.43	1803.68	318.98	N 1775.14	E	1803.75	79.78	0.57	-0.5	0.3
42	MWD	13913	88.40	80.60	63	12249.24	1858.65	329.82	N 1837.32	E	1858.71	79.82	0.97	0.2	-1.0
43	MWD	13876	88.60	80.70	63	12250.89	1929.82	340.15	N 1899.48	E	1929.88	79.85	0.35	0.3	0.2
44	MWD	14040	89.00	80.70	64	12252.23	1993.81	350.49	N 1962.81	E	1993.86	79.87	0.63	0.6	0.0
45	MWD	14097	90.30	80.20	67	12252.58	2050.81	359.95	N 2018.82	E	2050.85	79.89	2.44	2.3	-0.9
46	MWD	14164	90.90	80.00	67	12251.88	2117.80	371.47	N 2084.81	E	2117.85	79.90	0.94	0.9	-0.3
47	MWD	14227	90.60	80.30	63	12251.05	2180.60	382.24	N 2146.88	E	2180.64	79.90	0.57	-0.5	0.5
48	MWD	14290	91.10	80.00	63	12250.12	2243.59	393.02	N 2208.94	E	2243.63	79.91	0.99	0.8	-0.5
49	MWD	14363	89.80	80.70	63	12249.73	2306.59	403.68	N 2271.05	E	2306.63	79.92	2.63	-2.4	1.1
50	BIT	14406	89.60	81.00	53	12250.10	2359.58	412.01	N 2323.37	E	2359.62	79.94	0.57	0.0	0.6

Company: EOG Resources, Inc
 Field: Red Hills North Unit
 City/Block/Par: Lee County, NMI
 Well Name: RHNLU # 301RE
 Rig: McVay Drilling # 7

Job Number: 638904
 Magnetic Decl.: 8.44
 Grid Cont.: 8.44
 Total Survey Cont.: 8.88
 Target Info:

Minimum Curvature
 Proposed Azimuth: 80.28
 Depth Reference: R00B
 Date Printed: 03/08/04

No.	Tool Type	Survey Depth (ft)	Incl (°)	Azimuth (°)	Course Lgh (ft)	TVD (ft)	VB (ft)	Coordinates		Closure Dist (ft)	Ang (°)	DLS (°/100')	Bld Rate (°/100')	Wk Rate (°/100')
								N/S (ft)	E/W (ft)					
46	MWD	14164	90.90	80.00	67	12251.88	2117.60	371.47	N 2084.81	E 2117.85	79.90	0.94	0.9	-0.3
47	MWD	14227	90.80	80.30	63	12251.05	2180.80	382.24	N 2146.88	E 2190.64	79.90	0.67	-0.8	0.5
48	MWD	14280	91.10	80.00	63	12250.12	2243.59	393.02	N 2208.94	E 2243.83	79.91	0.93	0.8	-0.5
49	MWD	14363	89.80	80.70	63	12249.73	2306.59	403.58	N 2271.05	E 2308.63	79.92	2.63	-2.4	1.1
50	MWD	14414	90.00	81.50	61	12249.94	2367.58	413.02	N 2391.31	E 2367.52	79.96	1.47	0.7	1.3
51	MWD	14480	90.10	81.30	66	12248.89	2433.57	422.89	N 2396.57	E 2433.60	79.99	0.34	0.2	-0.3
52	MWD	14548	90.30	81.70	65	12249.66	2498.65	432.49	N 2489.88	E 2498.57	80.03	0.69	0.3	0.6
53	MWD	14608	89.40	81.80	61	12249.82	2559.53	441.25	N 2521.23	E 2559.65	80.07	1.48	-1.5	0.2
54	MWD	14668	89.00	82.30	62	12260.69	2621.49	449.82	N 2582.82	E 2621.60	80.12	1.03	-0.8	0.8
55	MWD	14732	89.10	82.00	64	12251.75	2685.45	458.56	N 2648.01	E 2685.46	80.17	0.49	0.2	-0.5
56	MWD	14798	89.50	82.00	63	12252.52	2748.42	467.33	N 2708.40	E 2748.42	80.21	0.63	0.6	0.0
57	MWD	14857	89.00	81.80	62	12253.33	2810.39	476.17	N 2769.76	E 2810.59	80.25	1.03	-0.8	-0.1
58	MWD	14918	88.60	80.00	58	12254.54	2868.37	485.44	N 2827.00	E 2868.37	80.28	2.84	-0.7	-2.1
59	MWD	14979	90.80	80.30	64	12254.88	2932.37	496.39	N 2890.05	E 2932.37	80.25	3.47	3.4	0.2
60	MWD	15047	92.10	80.40	68	12253.16	3000.34	507.78	N 2967.06	E 3000.34	80.28	1.92	1.9	0.
61	MWD	15110	91.80	79.50	63	12261.01	3063.31	518.77	N 3018.06	E 3063.31	80.25	1.51	-0.5	-1
62	MWD	15173	91.70	78.30	63	12249.09	3126.26	530.89	N 3080.85	E 3126.26	80.22	1.91	-0.2	-1
63	MWD	15236	91.30	78.50	63	12247.44	3189.20	543.58	N 3142.84	E 3189.21	80.19	0.71	-0.6	(
64	MWD	15299	87.80	79.40	63	12247.93	3252.17	555.63	N 3204.36	E 3252.18	80.16	5.74	-5.6	
65	MWD	15382	87.10	79.60	63	12250.74	3315.10	567.10	N 3266.25	E 3315.11	80.16	1.16	-1.1	
66	MWD	15425	87.20	79.60	63	12253.87	3378.02	578.46	N 3328.13	E 3378.03	80.14	0.16	0.2	
67	MWD	15488	87.50	79.50	63	12256.78	3440.95	589.87	N 3390.02	E 3440.95	80.13	0.50	0.5	
68	MWD	15552	89.50	78.90	64	12258.46	3504.91	601.86	N 3452.86	E 3504.93	80.11	3.28	3.1	
69	MWD	15682	88.50	78.90	30	12258.72	3534.90	607.84	N 3482.30	E 3534.92	80.10	0.00	0.0	
70	TD	15636	90.00	78.90	64	12258.98	3588.89	618.03	N 3535.29	E 3588.91	80.08	0.93	0.9	

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

State of New Mexico

Energy, Minerals, and Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, New Mexico 87505

Form C-102

Revised August 15, 2000

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
⁴ Property Code	⁵ Property Name RED HILLS NORTH UNIT		⁶ Well Number 801H
⁷ OGRID No.	⁸ Operator Name EOG RESOURCES, INC.		⁹ Elevation 3339'

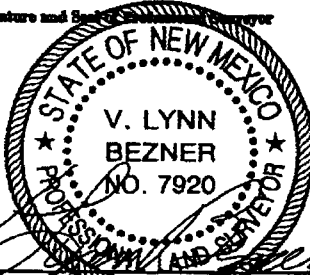
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	18	25 SOUTH	34 EAST, N.M.P.M.		1827'	NORTH	660'	WEST	LEA

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
A	18	25 SOUTH	34 EAST, N.M.P.M.		1200'	NORTH	720'	EAST	LEA
¹² Dedicated Acres		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

NO ALLOWABLE WELL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

¹⁶ NAD 27 NM E ZONE ELEV. = 3339' X = 753345 Y = 412935 LAT.: N 32.13263 LONG.: W 103.51491 BOTTOM HOLE #1 X = 757228 Y = 413600 LAT.: N 32.13438 LONG.: W 103.50235 TERMINUS HOLE INFORMATION PROVIDED BY EOG RESOURCES, INC.	¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i> Signature _____ Printed Name _____ Title _____ Date _____ ¹⁸ SURVEYOR CERTIFICATION <i>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.</i> JANUARY 23, 2004 Date of Survey _____ Signature and Seal of Surveyor _____  Certification Number _____ V. L. BEZNER R.P.S. #7920 JOB #92718 / 22 NE / J.C.P.
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Red Hills North Unit No. 904

1000' FNL & 1700' FWL

Sec. 17-25S-34E

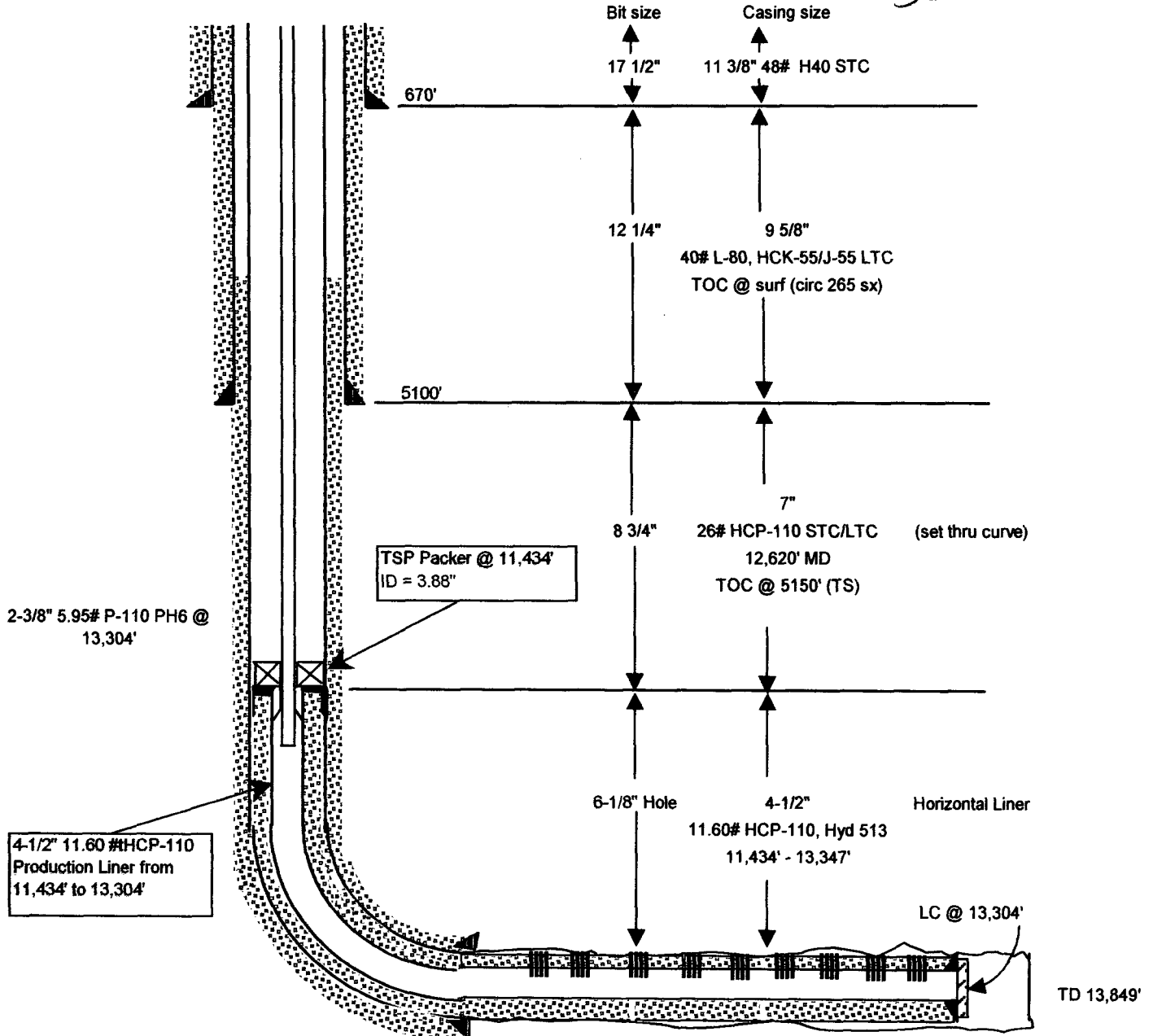
Lea County, New Mexico

API 30-025-36237

AFE 102599

Deviation 87.97' S, 1585.96' W
BHL 912.03 FNL & 114.04 FWL

1088 FNL 114 FNL 30-025-36237



6 1/8" Lateral from KOP 11,912' MD to 13,849' MD. Gross lateral length of 1,937'.

Perfs: 12,709 (11 holes), 12,939 (13 holes), 13,200' (27 holes) = 51 holes 6 SPF @ 60° phasing.

7/12/05

SIBIE TRACK
L34000
#2



DIRECTIONAL SURVEY REPORT

EOG RESOURCES

RHNU #904 ST 01

LEA COUNTY, NEW MEXICO

PREPARED BY: ROCK BRUNET

PathFinder Energy Services, Inc.
3329 West Pinhook Road, Lafayette, LA 70508
(337) 233-3982

PATHFINDER
ENERGY SERVICES

3329 West Pinhook Road • Lafayette, LA 70508 • Phone: 337-233-3982 or 800-377-3982 • Fax: 337-234-2988

January 16, 2004

EOG RESOURCES, INC.
4000 N. Big Springs Suite 500
Midland, TX 79705

RE: EOG RESOURCES
RHNU #904 ST 01
LEA COUNTY, NEW MEXICO
RIG: MCVAY #10
API NO.: 30-025-36237-01
FILENAME: J-WT-0311-0076

Dear Sir:

We hereby certify that the enclosed Original Field Survey Data contained in this report represents to the best of our knowledge, a true and accurate survey of the well at the time the survey was run.

SURVEY DATA

- 1 - Original survey report
- 2 - Survey report copies

We appreciate the opportunity to work with you and we look forward to your business support. If you have any questions, I can be reached at (337) 233-3982.

Sincerely,



Rock Brunet
Service Coordinator
PathFinder Energy Services

DIRECTIONAL SURVEY COMPANY REPORT:

1. **NAME OF SURVEYING COMPANY: PATHFINDER ENERGY SERVICES**
2. **NAME OF PERSON(S) PERFORMING SURVEY: A) DAVID SCOTT
B) CHANCE HODGES
C) SANDON ROATH
D) JOEY BOUTTE
E) TROY PAREDEZ**
3. **POSITION OF SAID PERSON(S): (A-E) SURVEYORS (FIELD ENGINEERS)**
4. **DATE(S) ON WHICH SURVEY WAS PERFORMED: 11/28/03 TO 01/02/04**
5. **STATE IN WHICH SURVEY WAS PERFORMED: ONSHORE, NEW MEXICO**
6. **LOCATION OF WELL: LEA COUNTY, NEW MEXICO**
7. **TYPE OF SURVEY(S) PERFORMED: MWD**
8. **COMPLETE IDENTIFICATION OF WELL:**

EOG RESOURCES
RHNU #904 ST 01
LEA COUNTY, NEW MEXICO
RIG: MCVAY #10
9. **SURVEY CERTIFIED FROM: 11,851 TO 13,767 FEET MEASURED DEPTH.**

**THIS IS TO VERIFY THAT ATTACHED DOCUMENTS SHOWING THE WELL TO BE
DISPLACED AT 1,588.40 FEET ON A BEARING OF 266.83 DEGREES FROM THE
CENTER OF THE ROTARY TABLE AT AN INTERPOLATED BIT DEPTH OF 13,849
FEET ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.**



**ROCK BRUNET
SERVICE COORDINATOR**

Pathfinder

BHL Report

Page 1
Job No: J-WT-0311-0076
Date: 1/15/2004
Time: 9:05 am
Wellpath ID: rhnu904
Date Created: 11/25/2003
Last Revision: 1/15/2004

*Calculated using the Minimum Curvature Method
Computed using PDS VER2.2.6
Vertical Section Plane: 266.42 deg.*

Survey Reference: WELLHEAD
Vertical Section Reference: WELLHEAD
Closure Reference: WELLHEAD
TVD Reference: WELLHEAD

EOG RESOURCES
RHNU #904 ST01
LEA CO., NM
RIG: McVAY #10

DECL: 8.0° EAST TO GRID
KBH: 20 FT ROTARY TO GROUND LEVEL

PATHFINDER OFFICE SUPERVISOR:
GLENN COYLE
PATHFINDER ENGINEERS
D. SCOTT / C. HODGES / SANDON ROATH / TROY PAREDEZ

Measured Depth	13849.00	(ft)
Inclination	89.50	(deg)
Azimuth	265.00	(deg)
True Vertical Depth	12254.74	(ft)
Vertical Section	1588.36	(ft)
Rectangular Offsets		
North/South	87.97 S	(ft)
East/West	1585.96W	(ft)
Closure Dist & Dir	1588.40@266.83	(deg)
Dogleg Severity	1.29	(deg/100ft)
Build Rate	-0.88	(deg/100ft)
Walk Rate	-0.95	(deg/100ft)

Pathfinder

Survey Report

Page 1
Job No: J-WT-0311-0076
Date: 1/15/2004
Time: 9:05 am
Wellpath ID: rhnu904
Date Created: 11/25/2003
Last Revision: 1/15/2004

Calculated using the Minimum Curvature Method
Computed using PDS VER2.2.6
Vertical Section Plane: 266.42 deg.

Survey Reference: WELLHEAD
Vertical Section Reference: WELLHEAD
Closure Reference: WELLHEAD
TVD Reference: WELLHEAD

EOG RESOURCES
RHNU #904 ST01
LEA CO., NM
RIG: McVAY #10

DECL: 8.0° EAST TO GRID
KBH: 20 FT ROTARY TO GROUND LEVEL

PATHFINDER OFFICE SUPERVISOR:
GLENN COYLE
PATHFINDER ENGINEERS
D. SCOTT / C. HODGES / SANDON ROATH / TROY PAREDEZ

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	T O T A L Rectangular Offsets (ft) (ft)		Closure Dist. Dir. (ft) (deg.)	DLS (dg/100ft)
TIED INTO GYRODATA GYRO SURVEY @ 11738.71' MD.									
11739.00	0.74	98.51	11736.26	0.00	-157.45	58.45 S	161.41 E	171.67@109.91	0.00
THE FOLLOWING ARE PATHFINDER MWD SURVEYS.									
11851.00	0.35	31.45	11848.26	112.00	-158.35	58.27 S	162.30 E	172.45@109.75	0.61
11915.00	3.69	276.77	11912.21	64.00	-156.43	57.86 S	160.36 E	170.48@109.84	6.01
11948.00	9.32	275.27	11944.99	33.00	-152.75	57.48 S	156.64 E	166.86@110.15	17.07
11980.00	16.09	274.31	11976.19	32.00	-145.79	56.91 S	149.63 E	160.09@110.82	21.17
12012.00	23.48	271.67	12006.28	32.00	-135.03	56.39 S	138.82 E	149.84@112.11	23.26
12043.00	29.46	271.67	12034.01	31.00	-121.28	55.99 S	125.02 E	136.98@114.13	19.29
12076.00	33.15	274.05	12062.21	33.00	-104.25	55.12 S	107.90 E	121.16@117.06	11.79
12108.00	37.64	274.92	12088.28	32.00	-85.90	53.66 S	89.43 E	104.29@120.97	14.12
12139.00	42.30	274.75	12112.04	31.00	-66.21	51.98 S	69.59 E	86.86@126.76	15.04
12170.00	46.69	274.57	12134.14	31.00	-44.71	50.22 S	47.94 E	69.43@136.33	14.17
12201.00	50.47	274.84	12154.65	31.00	-21.71	48.31 S	24.78 E	54.29@152.85	12.21
12234.00	53.82	275.01	12174.90	33.00	4.05	46.07 S	1.18W	46.09@181.47	10.16
12266.00	57.07	274.84	12193.04	32.00	30.12	43.81 S	27.43W	51.69@212.05	10.17
12298.00	60.67	274.22	12209.58	32.00	57.23	41.65 S	54.74W	68.78@232.73	11.37
12330.00	63.49	273.34	12224.57	32.00	85.27	39.79 S	82.95W	92.00@244.37	9.14
12362.00	66.13	272.38	12238.19	32.00	114.04	38.35 S	111.86W	118.26@251.08	8.69
12394.00	68.85	271.23	12250.44	32.00	143.47	37.42 S	141.41W	146.28@255.18	9.13
12426.00	72.02	270.27	12261.15	32.00	173.53	37.03 S	171.55W	175.50@257.82	10.30
12458.00	74.74	269.91	12270.30	32.00	204.13	36.98 S	202.21W	205.57@259.64	8.57
12490.00	77.47	270.18	12277.99	32.00	235.13	36.96 S	233.27W	236.18@261.00	8.57
12522.00	80.37	270.27	12284.14	32.00	266.46	36.83 S	264.67W	267.23@262.08	9.07
12563.00	83.62	270.53	12289.84	41.00	306.96	36.55 S	305.27W	307.45@263.17	7.95
12663.00	87.05	271.85	12297.98	100.00	406.26	34.48 S	404.90W	406.36@265.13	3.67
START OF SIDETRACK 1									
12690.00	84.59	271.23	12299.94	27.00	433.08	33.75 S	431.81W	433.13@265.53	9.39
12722.00	84.86	274.57	12302.89	32.00	464.74	32.14 S	463.63W	464.75@266.03	10.43
12753.00	87.14	274.66	12305.05	31.00	495.34	29.65 S	494.46W	495.34@266.57	7.36

Pathfinder Survey Report

Page 2
Date: 1/15/2004
Wellpath ID: rhnu904

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft)		Closure Dist. Dir. (ft) (deg.)	DLS (dg/100ft)
12785.00	88.55	274.22	12306.25	32.00	527.01	27.18 S	526.34W	527.04@267.04	4.62
12817.00	90.80	274.10	12306.43	32.00	558.71	24.86 S	558.25W	558.80@267.45	7.04
12848.00	91.98	272.79	12305.68	31.00	589.47	22.99 S	589.18W	589.63@267.77	5.69
12880.00	92.77	271.58	12304.36	32.00	621.28	21.78 S	621.13W	621.51@267.99	4.51
12912.00	93.21	269.74	12302.69	32.00	653.15	21.41 S	653.08W	653.44@268.12	5.90
12944.00	93.21	267.89	12300.89	32.00	685.07	22.07 S	685.03W	685.38@268.15	5.77
12975.00	93.00	266.60	12299.21	31.00	716.02	23.56 S	715.94W	716.33@268.12	4.21
13007.00	93.20	266.50	12297.48	32.00	747.97	25.48 S	747.84W	748.27@268.05	0.70
13039.00	93.70	265.20	12295.56	32.00	779.91	27.79 S	779.70W	780.19@267.96	4.35
13070.00	93.70	265.10	12293.56	31.00	810.84	30.41 S	810.52W	811.09@267.85	0.32
13102.00	93.40	264.40	12291.58	32.00	842.76	33.33 S	842.33W	842.99@267.73	2.38
13133.00	92.86	264.38	12289.88	31.00	873.70	36.35 S	873.13W	873.89@267.62	1.74
13165.00	92.95	264.64	12288.26	32.00	905.64	39.41 S	904.94W	905.80@267.51	0.86
13197.00	92.86	264.90	12286.64	32.00	937.58	42.32 S	936.77W	937.73@267.41	0.86
13229.00	93.30	264.73	12284.92	32.00	969.53	45.21 S	968.59W	969.65@267.33	1.47
13261.00	93.47	265.08	12283.03	32.00	1001.46	48.05 S	1000.41W	1001.56@267.25	1.21
13292.00	94.09	265.61	12280.99	31.00	1032.39	50.56 S	1031.24W	1032.48@267.19	2.63
13324.00	94.44	265.52	12278.61	32.00	1064.29	53.03 S	1063.06W	1064.38@267.14	1.13
13356.00	93.83	265.34	12276.30	32.00	1096.20	55.57 S	1094.87W	1096.28@267.09	1.99
13387.00	93.21	265.52	12274.40	31.00	1127.14	58.04 S	1125.71W	1127.21@267.05	2.08
13419.00	93.21	265.78	12272.60	32.00	1159.09	60.46 S	1157.57W	1159.15@267.01	0.81
13451.00	93.30	265.90	12270.79	32.00	1191.04	62.78 S	1189.44W	1191.09@266.98	0.47
13482.00	93.56	266.40	12268.93	31.00	1221.98	64.85 S	1220.31W	1222.03@266.96	1.82
13514.00	95.30	266.80	12266.46	32.00	1253.88	66.75 S	1252.16W	1253.94@266.95	5.58
13546.00	96.10	267.50	12263.28	32.00	1285.72	68.33 S	1283.96W	1285.78@266.95	3.31
13578.00	96.20	267.30	12259.85	32.00	1317.53	69.77 S	1315.74W	1317.59@266.96	0.70
13610.00	93.47	266.75	12257.16	32.00	1349.41	71.43 S	1347.58W	1349.47@266.97	8.70
13641.00	90.85	266.57	12255.99	31.00	1380.39	73.23 S	1378.51W	1380.45@266.96	8.47
13672.00	90.66	266.31	12255.58	31.00	1411.39	75.16 S	1409.44W	1411.45@266.95	1.04
13704.00	90.84	266.57	12255.16	32.00	1443.38	77.14 S	1441.38W	1443.44@266.94	0.99
13736.00	90.60	266.10	12254.76	32.00	1475.38	79.19 S	1473.31W	1475.44@266.92	1.65
13767.00	90.22	265.78	12254.54	31.00	1506.38	81.38 S	1504.23W	1506.43@266.90	1.60
Interpolated Survey to Bit Depth @13,849' MD.									
13849.00	89.50	265.00	12254.74	82.00	1588.36	87.97 S	1585.96W	1588.40@266.83	1.29

EOG Resources, Inc.
Tabulation of Data on Wells in Review Area
Application for Authorization to Inject RHNU #801

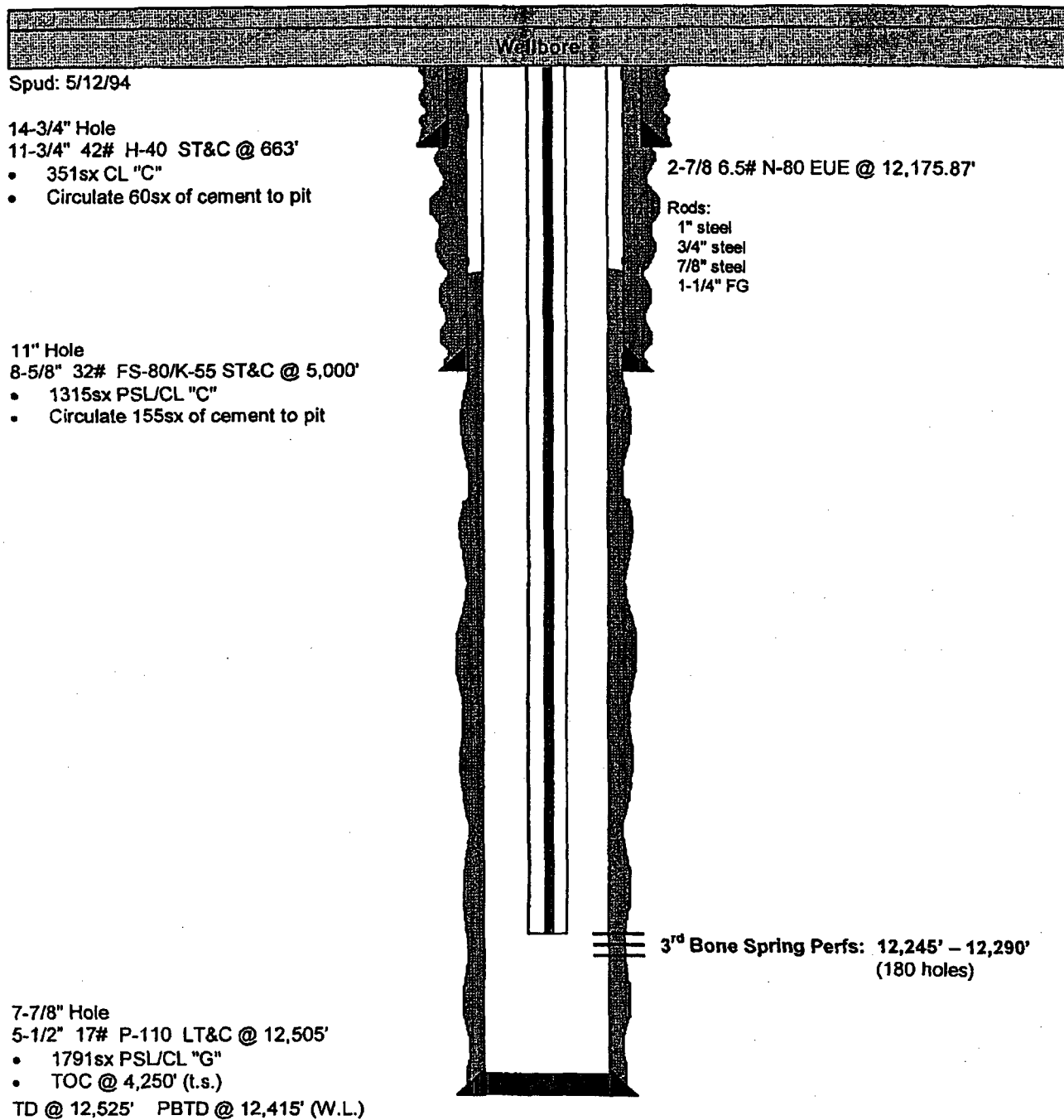
VI.

Operator	Lease/Well	Status	Location	Spud Date	Drilled TD PBD	Surface Casing			Production Casing			Producing Perforations
						Size	Depth	Cement	Size	Depth	Cement	
EOG Resources, Inc.	Red Hills North Unit #303	ACT-Oil	Sec. 13-T25S-R33E	5/12/1994	12525' 12415'	11-3/4"	663'	351sx	5-1/2"	12505'	1691sx	12245'-12290'
EOG Resources, Inc.	Red Hills North Unit #306H	ACT-Oil	Sec. 13-T25S-R33E	11/17/2001	16430' 12658'	13-3/8"	670'	601sx	4-1/2"	16430'	250sx	12923'-15437'
EOG Resources, Inc.	Red Hills North Unit #307H	ACT-Oil	Sec. 13-T25S-R33E	8/12/2001	13930' 13880'	13-3/8"	670'	500sx	4-1/2"	13930'	140sx	12758'-13840'
EOG Resources, Inc.	Red Hills North Unit #801H	ACT-Oil	Sec. 18-T25S-R34E	7/29/1995	15636' 12210'	11-3/4"	676'	350sx	3-1/2"	15636'	1390sx	12510'-14480'
EOG Resources, Inc.	Red Hills North Unit #802	ACT-Oil	Sec. 18-T25S-R34E	11/17/1994	12575' 12470'	11-3/4"	650'	350sx	5-1/2"	12560'	1505sx	12260'-12318'
EOG Resources, Inc.	Red Hills North Unit #803	ACT-Oil	Sec. 18-T25S-R34E	2/6/1995	12550' 12455'	11-3/4"	674'	110sx	5-1/2"	12547'	1300sx	12230'-12280'
EOG Resources, Inc.	Red Hills North Unit #804	ACT-Oil	Sec. 18-T25S-R34E	4/19/1995	12550' 12450'	11-3/4"	671'	350sx	5-1/2"	12550'	1142sx	12258'-12368'
EOG Resources, Inc.	Red Hills North Unit #806	ACT-Oil	Sec. 18-T25S-R34E	10/31/1995	12328' 12550'	11-3/4"	685'	350sx	5-1/2"	12431'	1430sx	12204'-12223'
EOG Resources, Inc.	Red Hills North Unit #807	ACT-Oil	Sec. 18-T25S-R34E	7/21/1999	12392' 12500'	11-3/4"	659'	450sx	5-1/2"	12435'	1110sx	12186'-12201'
EOG Resources, Inc.	Red Hills North Unit #811H	ACT-Oil	Sec. 8-T25S-R34E	6/2/1995	11855' 12500'	11-3/4"	679'	350sx	3-1/2"	15281'	105sx	12644'-15108'
EOG Resources, Inc.	Red Hills North Unit #902H	ACT-Oil	Sec. 17-T25S-R34E	7/7/1995	11854' 13849'	11-3/4"	653'	350sx	3-1/2"	15104'	245sx	12494'-14609'
EOG Resources, Inc.	Red Hills North Unit #904H	ACT-Oil	Sec. 17-T25S-R34E	11/5/2003	13304' 5400'	11-3/8"	670'	575sx	4-1/2"	13347'	265sx	12709'-13200'
Amoco Production Corp.	Federal BK #1	P&A	Sec. 13-T25S-R33E	12/9/1981	NA'	8-5/8"	637'	400sx	NA	NA	NA	NA

EOG RESOURCES, INC.
660' FNL & 660' FEL
Sec.13-T25S-R33E

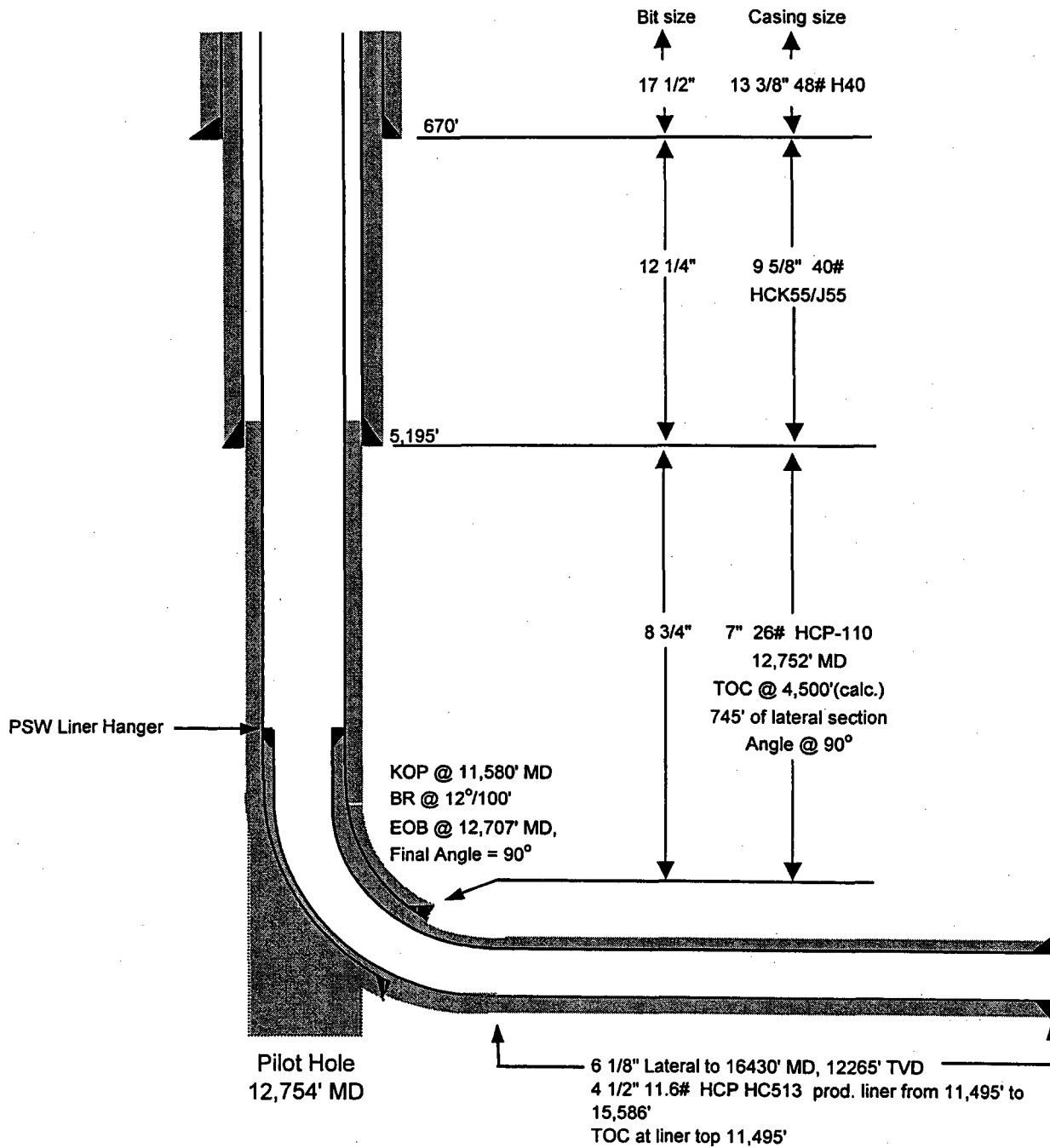
RHNU No. 303
LEA CO., NEW MEXICO
APRIL 3, 2000

WELLBORE SCHEMATIC



RHNU NO.306
EOG Resources, Inc.
PROSPECT: Red Hills

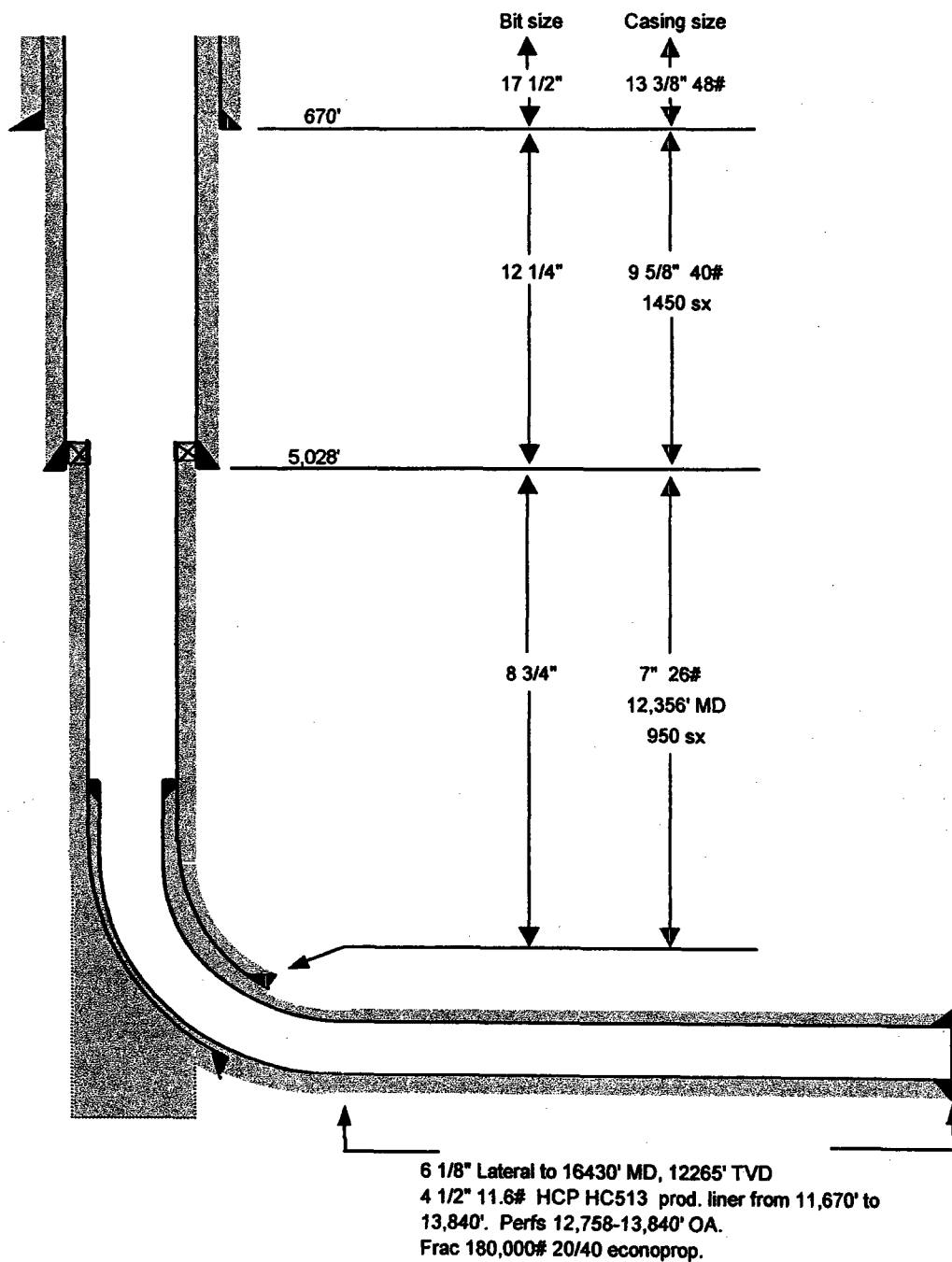
990' FEL & 2,080' FSL
Sec.13-T25S-R33E
Lea County, New Mexico





RHNU NO.307

1980' FNL & 990' FEL
Sec.13-T25S-R33E
Lea County, New Mexico
API 30-025-35039



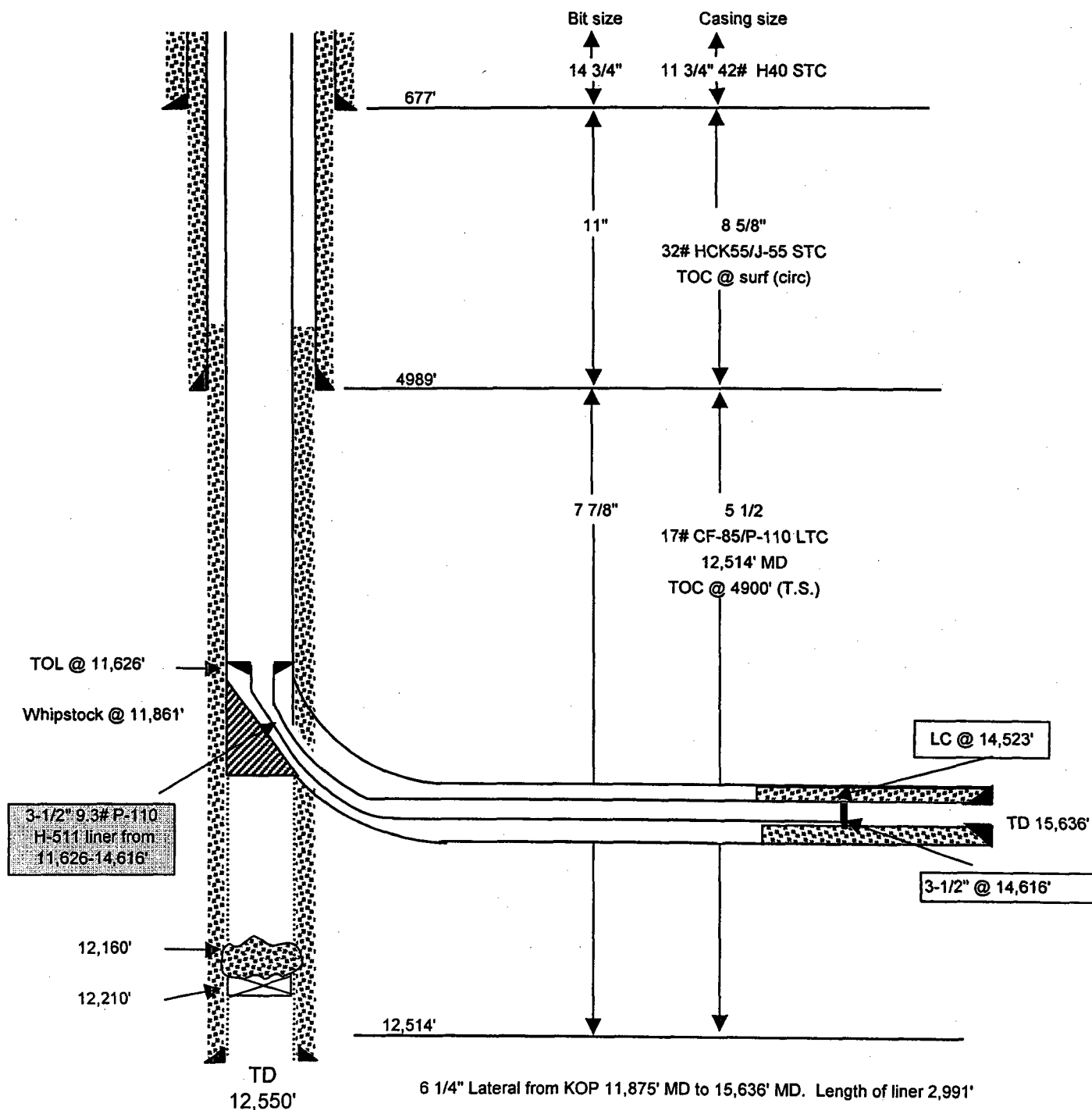


Red Hills North Unit No. 801 R/E

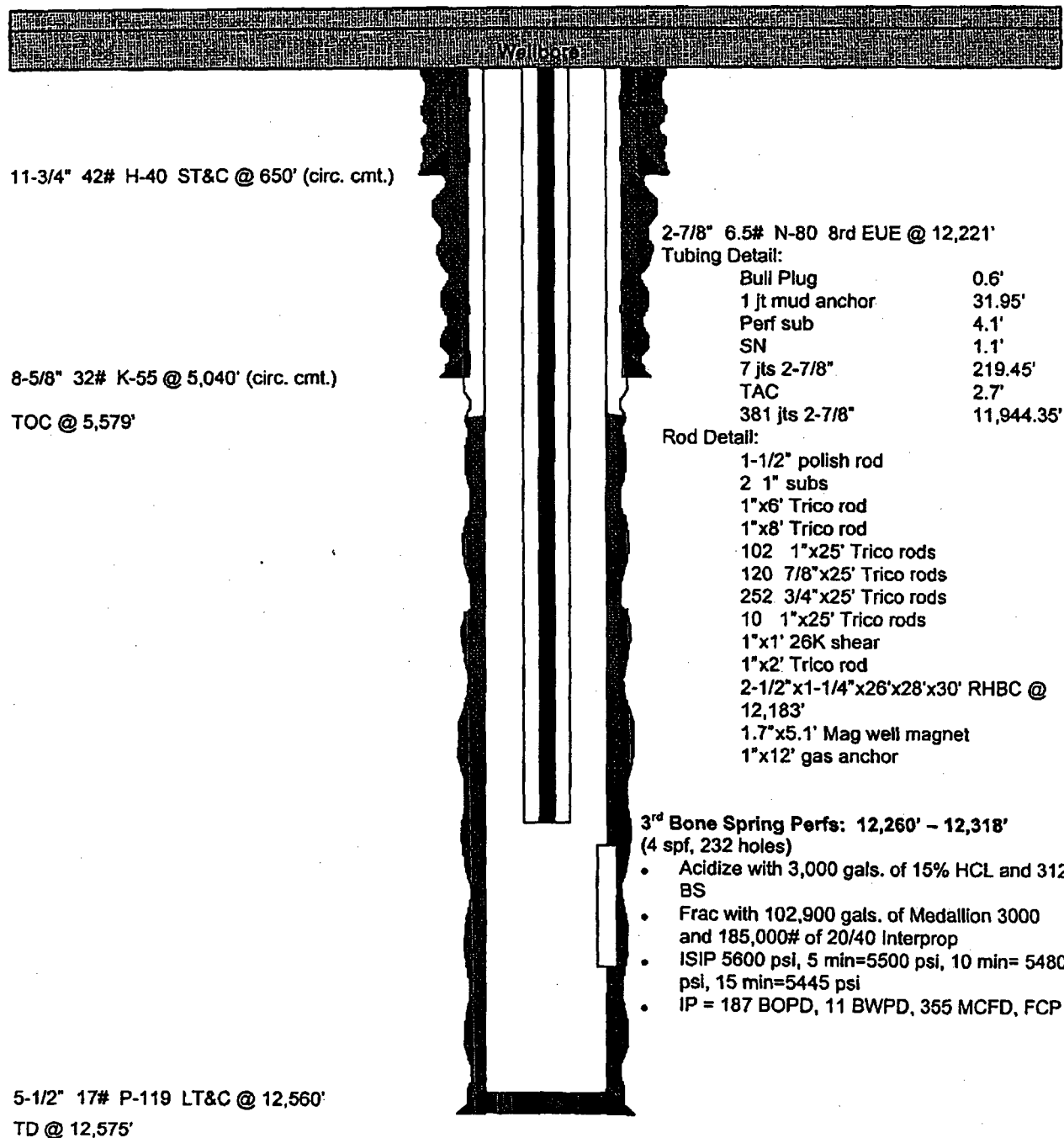
1827' FNL & 660' FWL

Sec. 18-25S-34E

Lea County, New Mexico



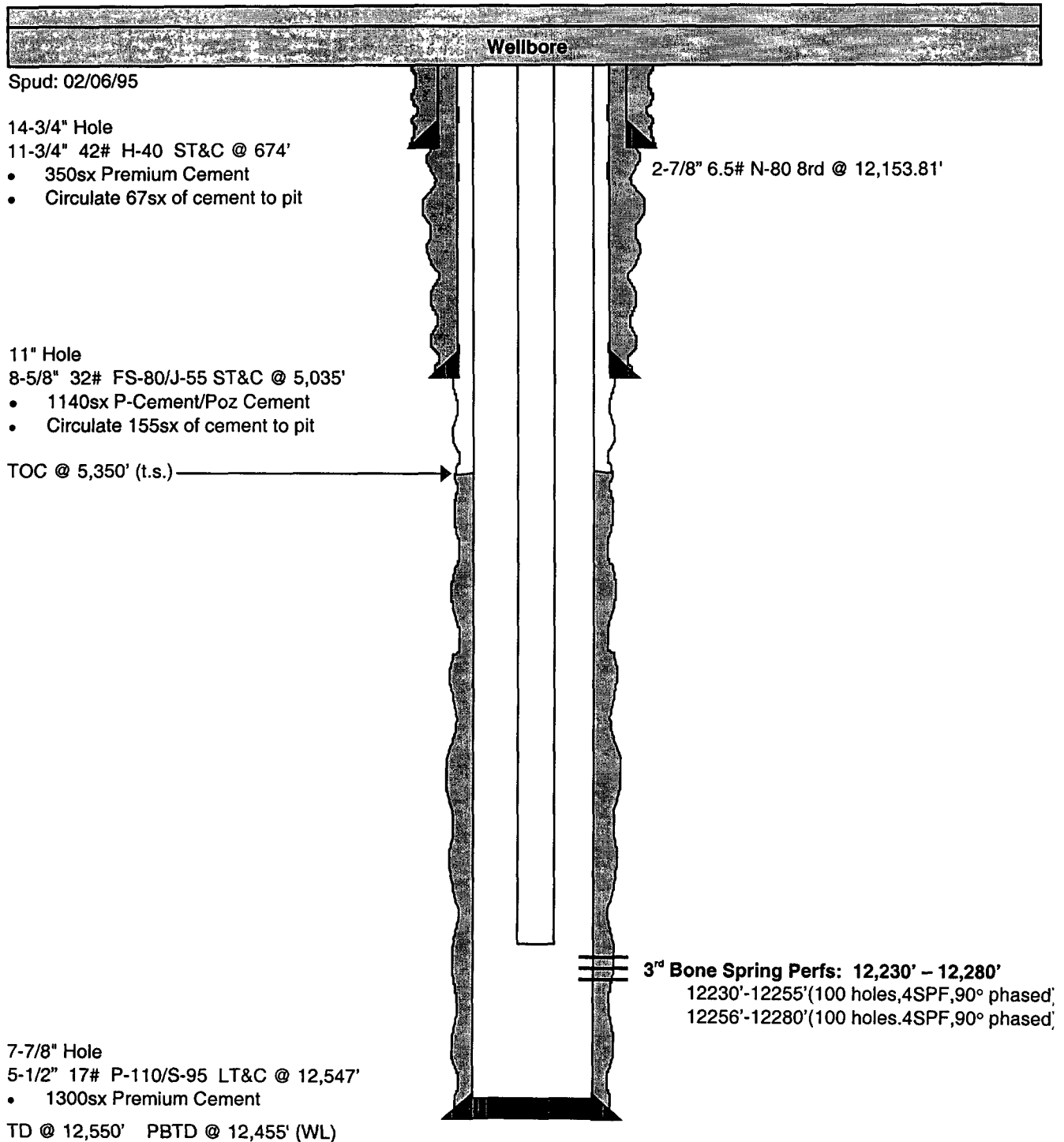
WELLBORE SCHEMATIC



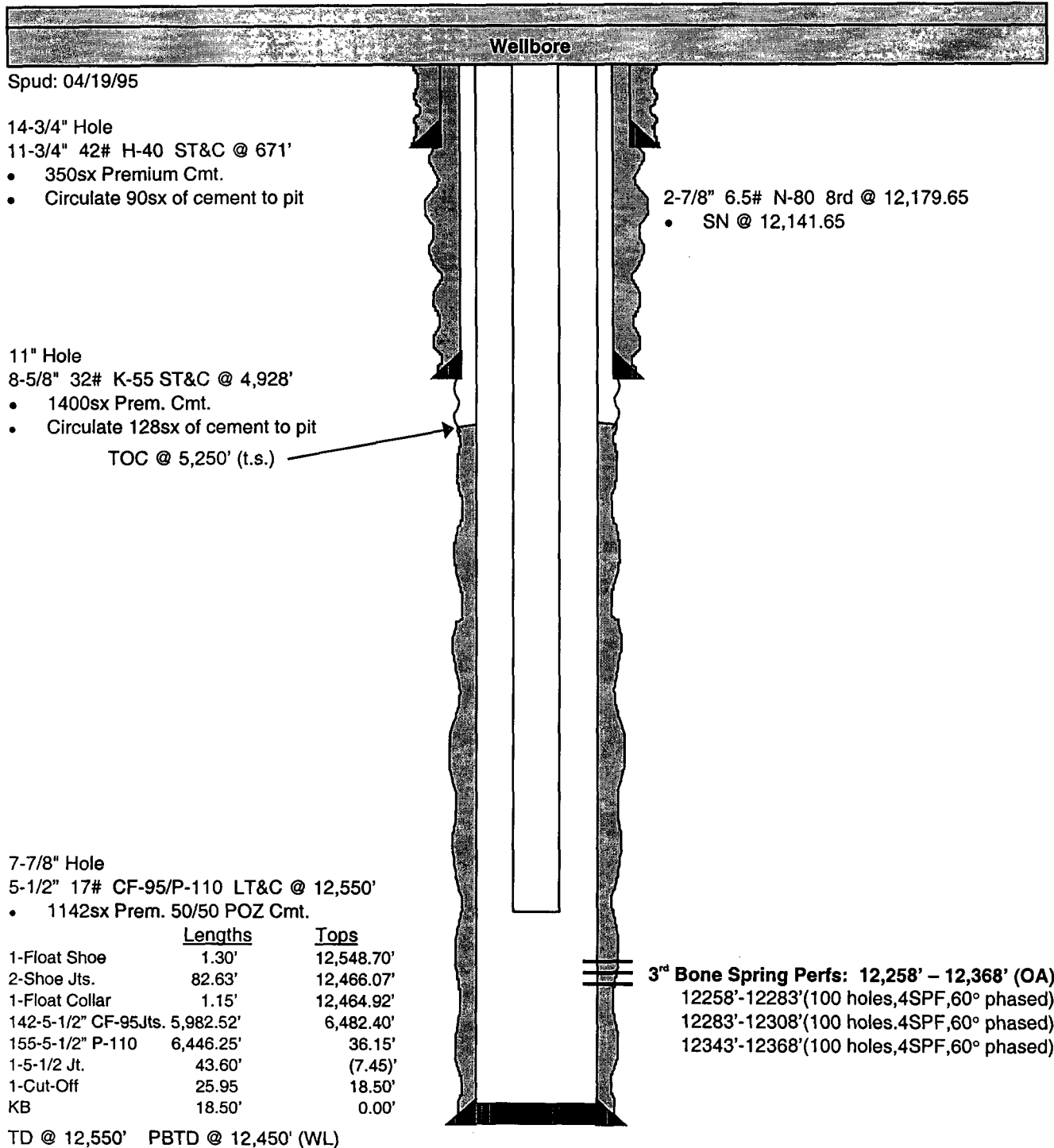
EOG RESOURCES, INC.
660' FNL & 1980' FEL
Sec.18-T25S-R34E

RHNU 803
DIAMOND '18' FEDERAL NO. 3
LEA CO., NEW MEXICO
JULY 31, 2000

WELLBORE SCHEMATIC



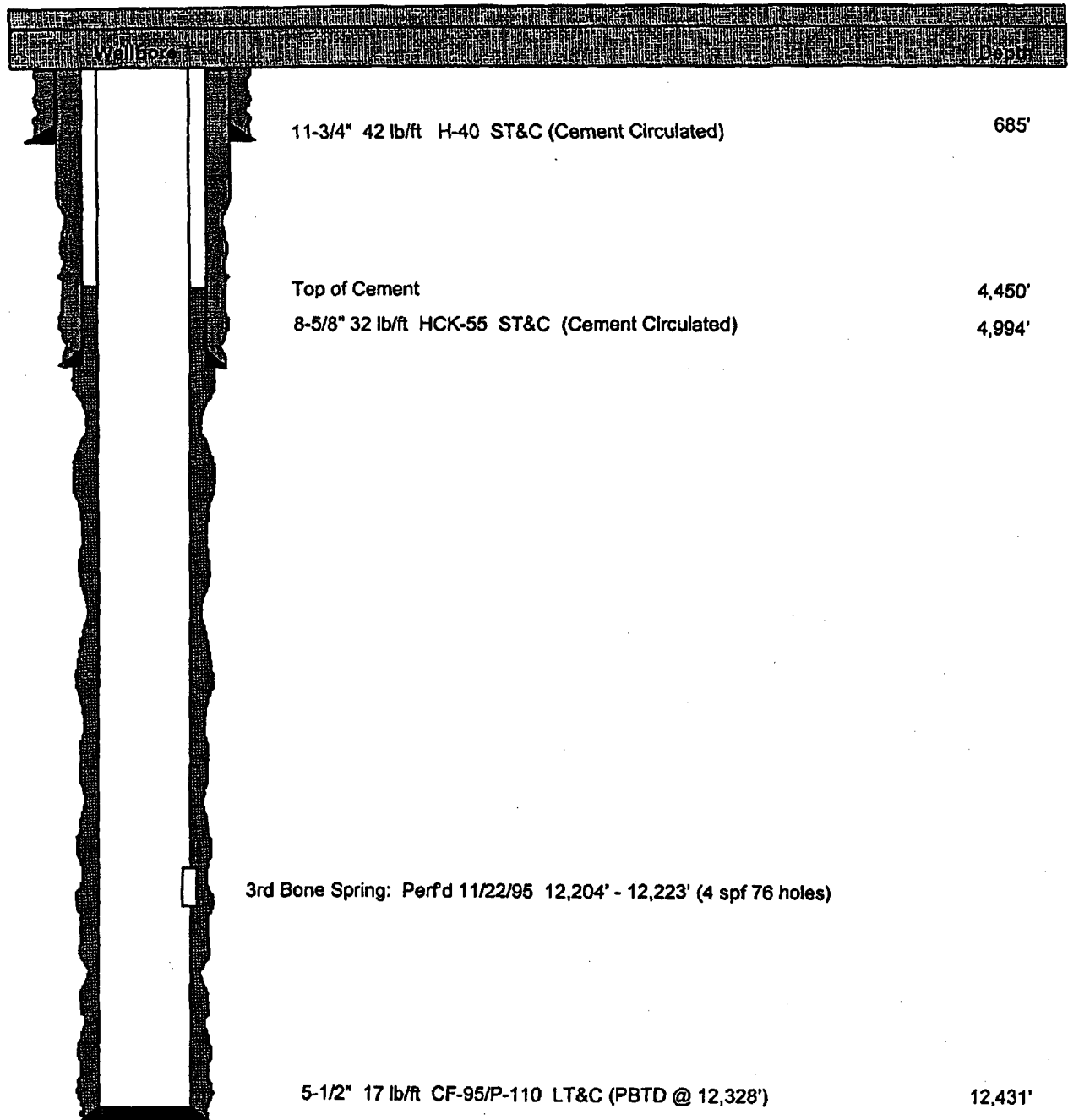
WELLBORE SCHEMATIC



Enron Oil & Gas Company

Diamond "18" Federal No. 6
Lea County, New Mexico
March 12, 1997

WELL SCHEMATIC





RHNU No.807H R/E

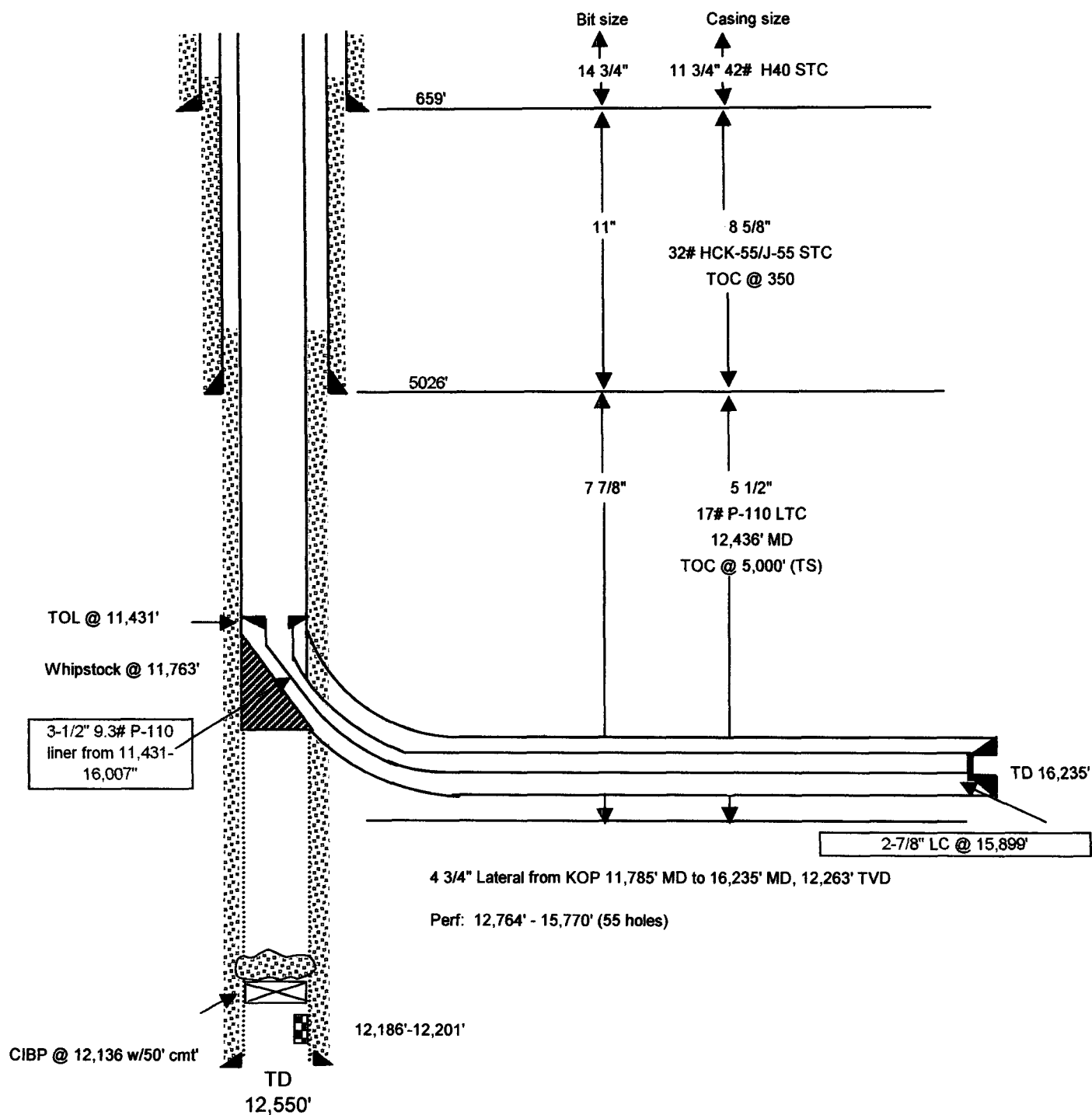
990' FSL & 330' FWL

Sec. 16-25S-34E

Lea County, New Mexico

API 30-025-34659

102767



7/15/2005



RHNU No.811H R/E

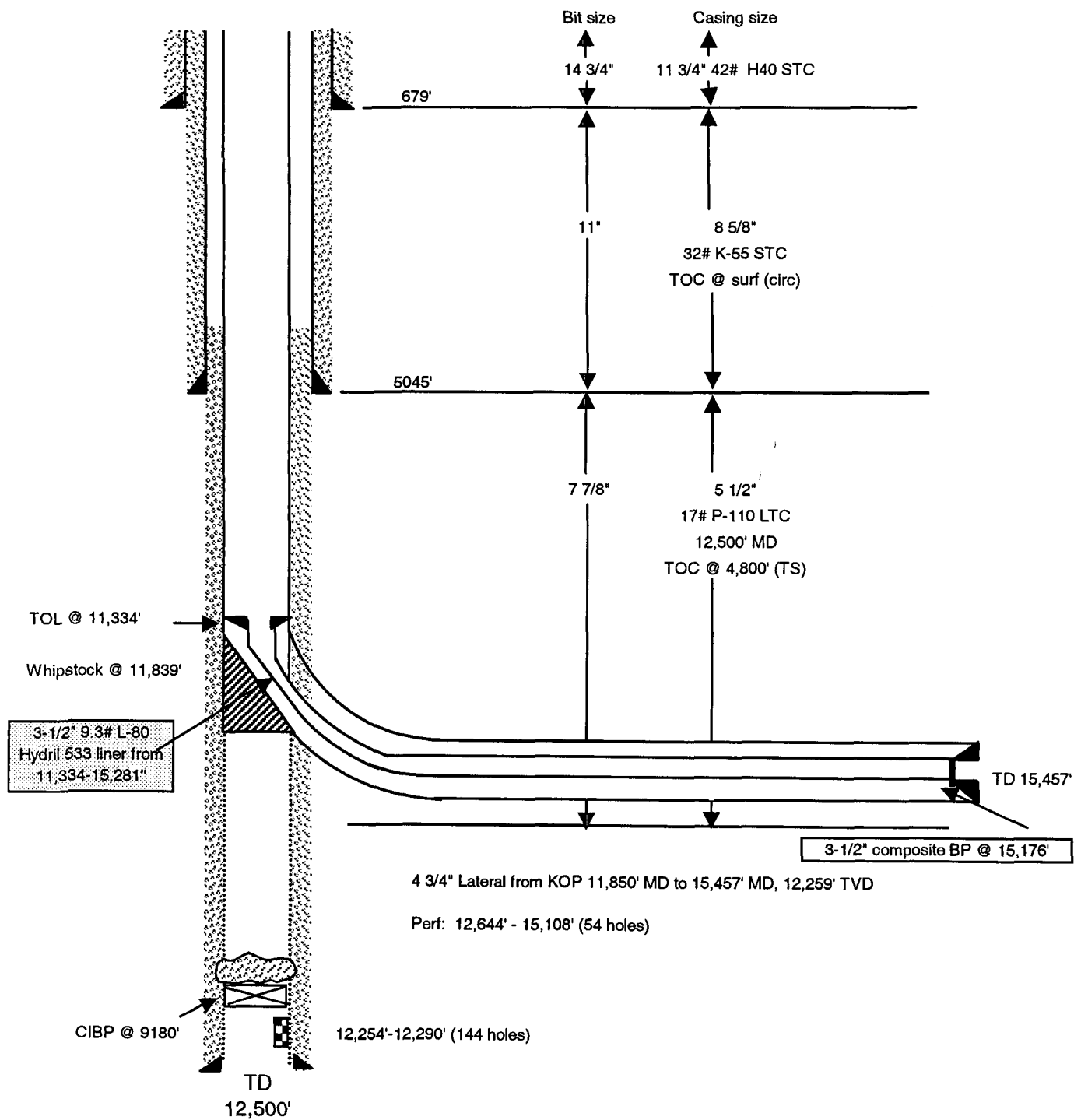
509' FWL & 662' FSL

Sec. 8-25S-34E

Lea County, New Mexico

API 30-025-32980

102571



7/14/2005

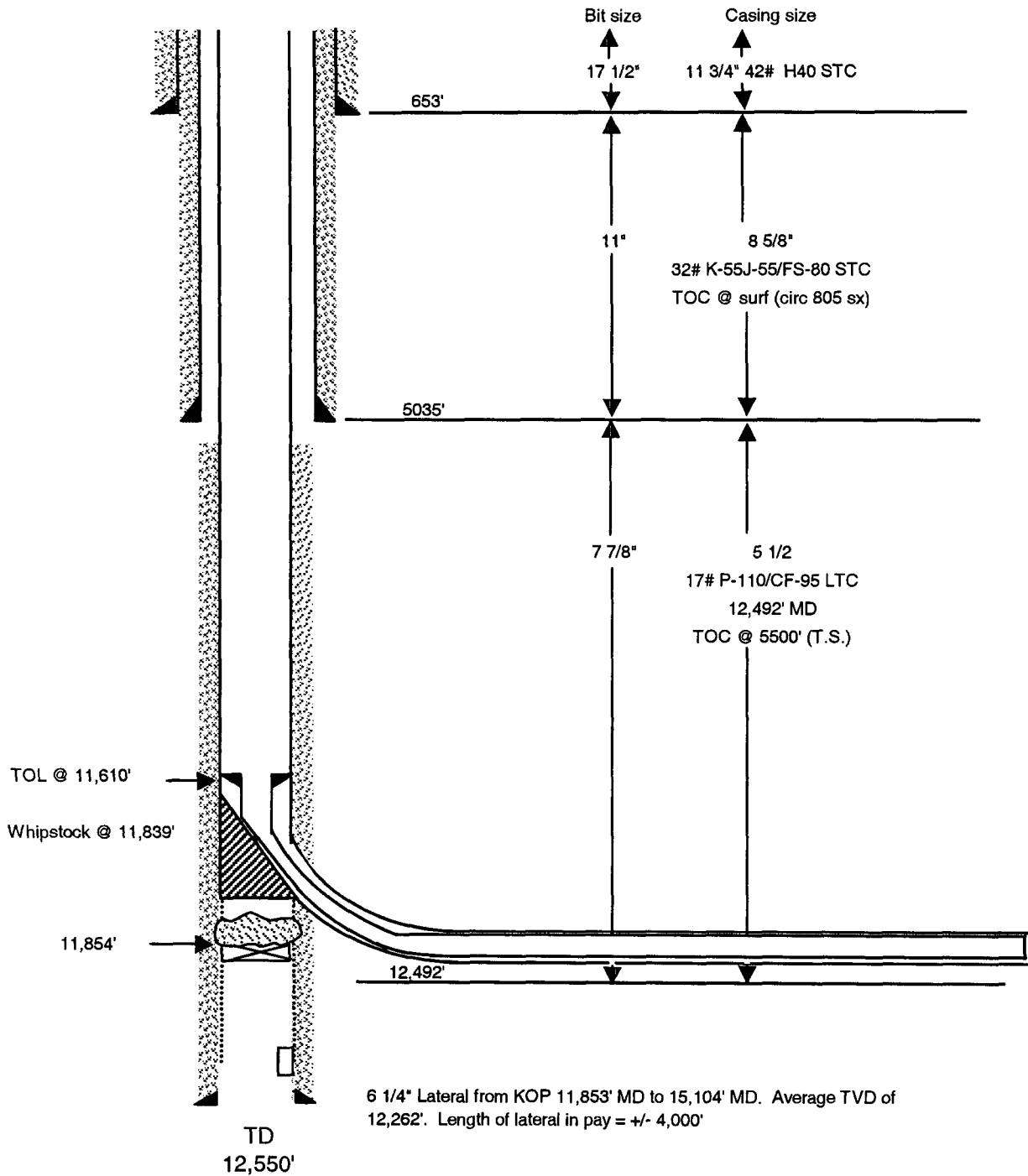


Red Hills North Unit No. 902 R/E

1830' FNL & 660' FWL

Sec. 17-25S-34E

Lea County, New Mexico





Red Hills North Unit No. 904

1000' FNL & 1700' FWL

Sec. 17-25S-34E

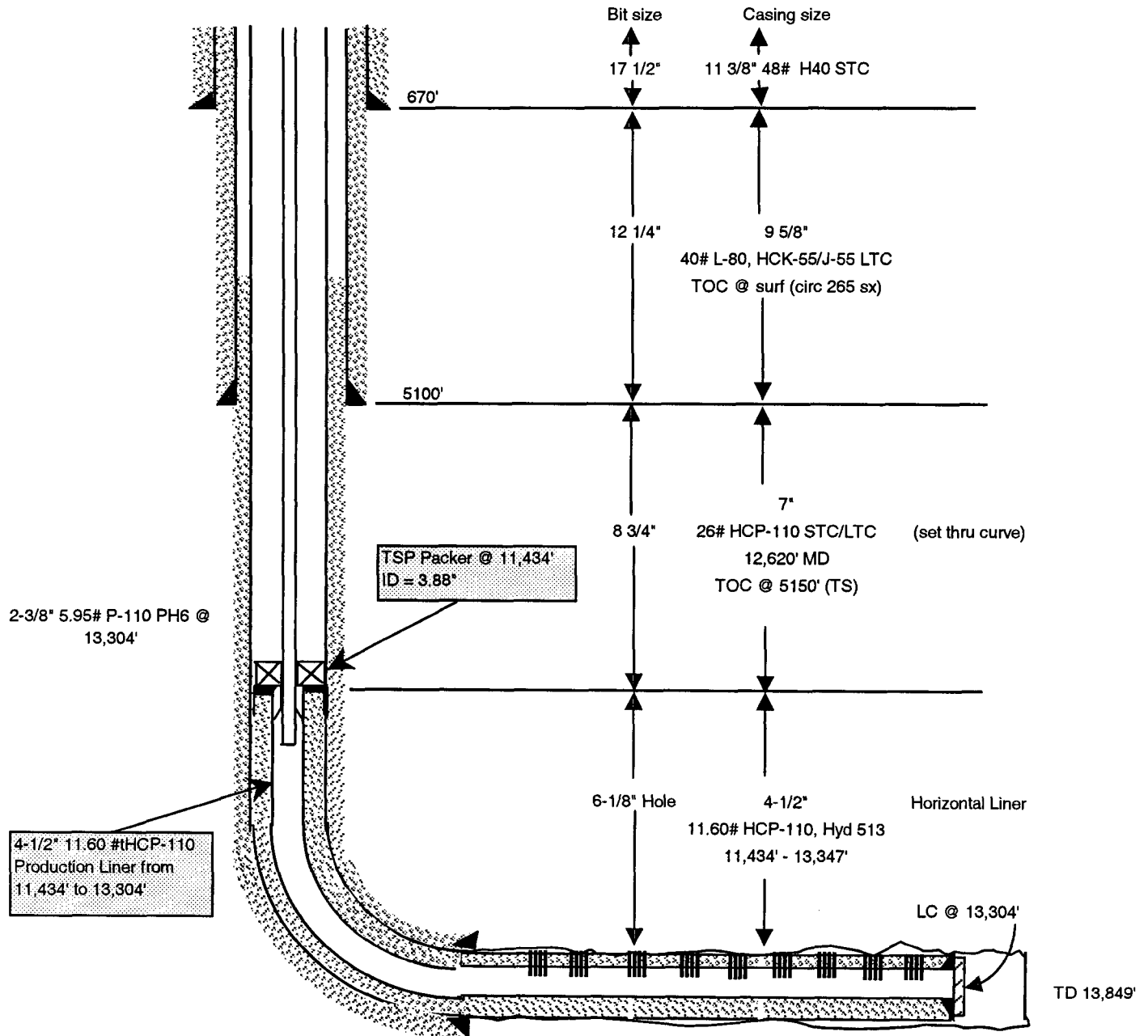
Lea County, New Mexico

API 30-025-36237

AFE 102599

Deviation 87.97' S, 1585.96' W

BHL 912.03 FNL & 114.04 FWL



6 1/8" Lateral from KOP 11,912' MD to 13,849' MD. Gross lateral length of 1,937'.

Perfs: 12,709 (11 holes), 12,939 (13 holes), 13,200' (27 holes) = 51 holes 6 SPF @ 60° phasing.

7/14/2005

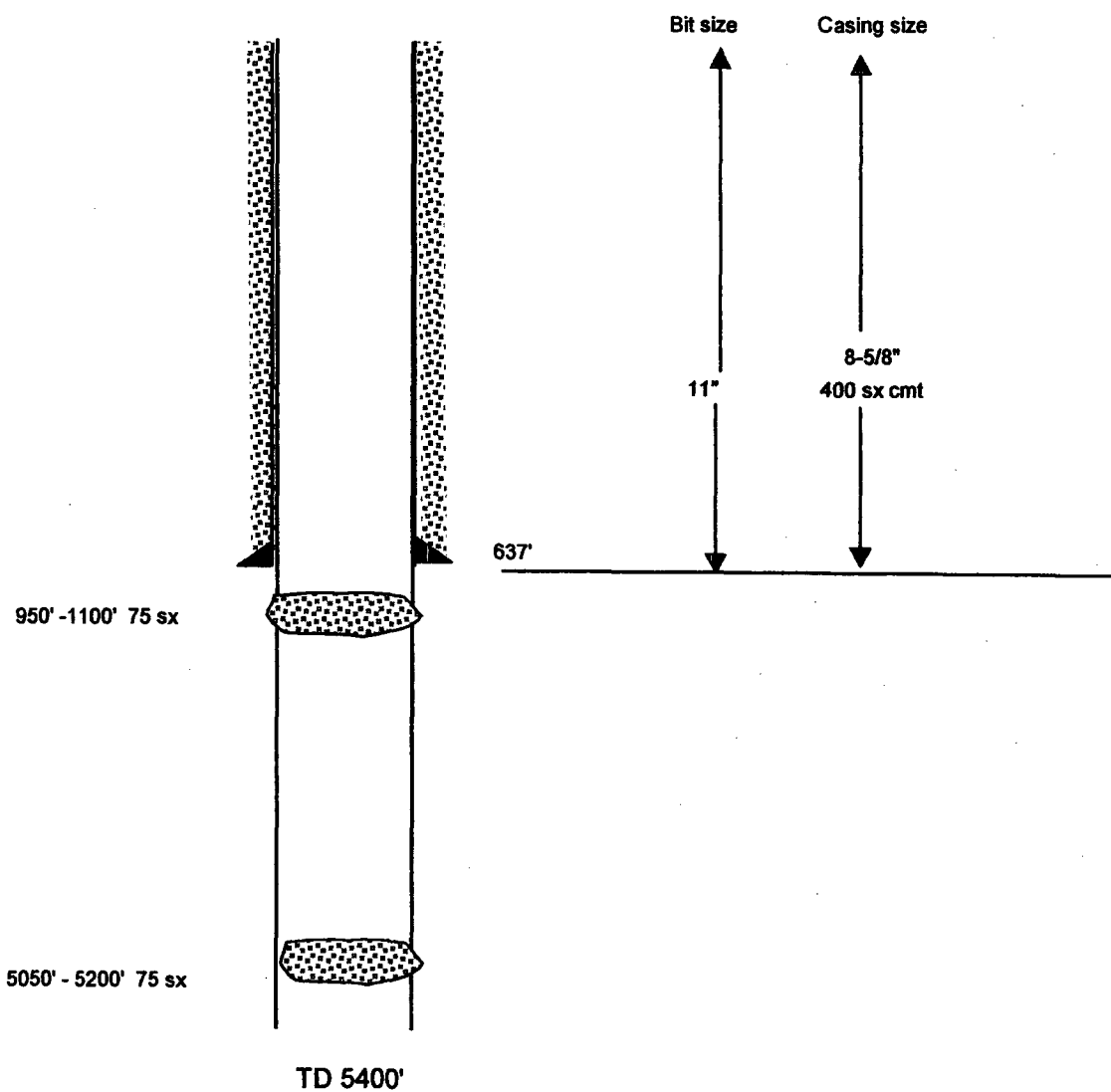
Amoco Production Company

Federal BK No. 1

Sec. 13-25S-33E

Lea County, New Mexico

30-025-27352

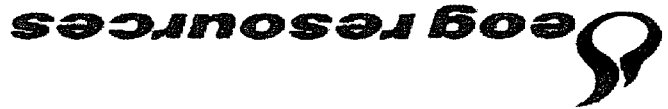


EOG Resources, Inc.
Tabulation of Data on Wells in Review Area
Application for Authorization to Inject RHNU # 904

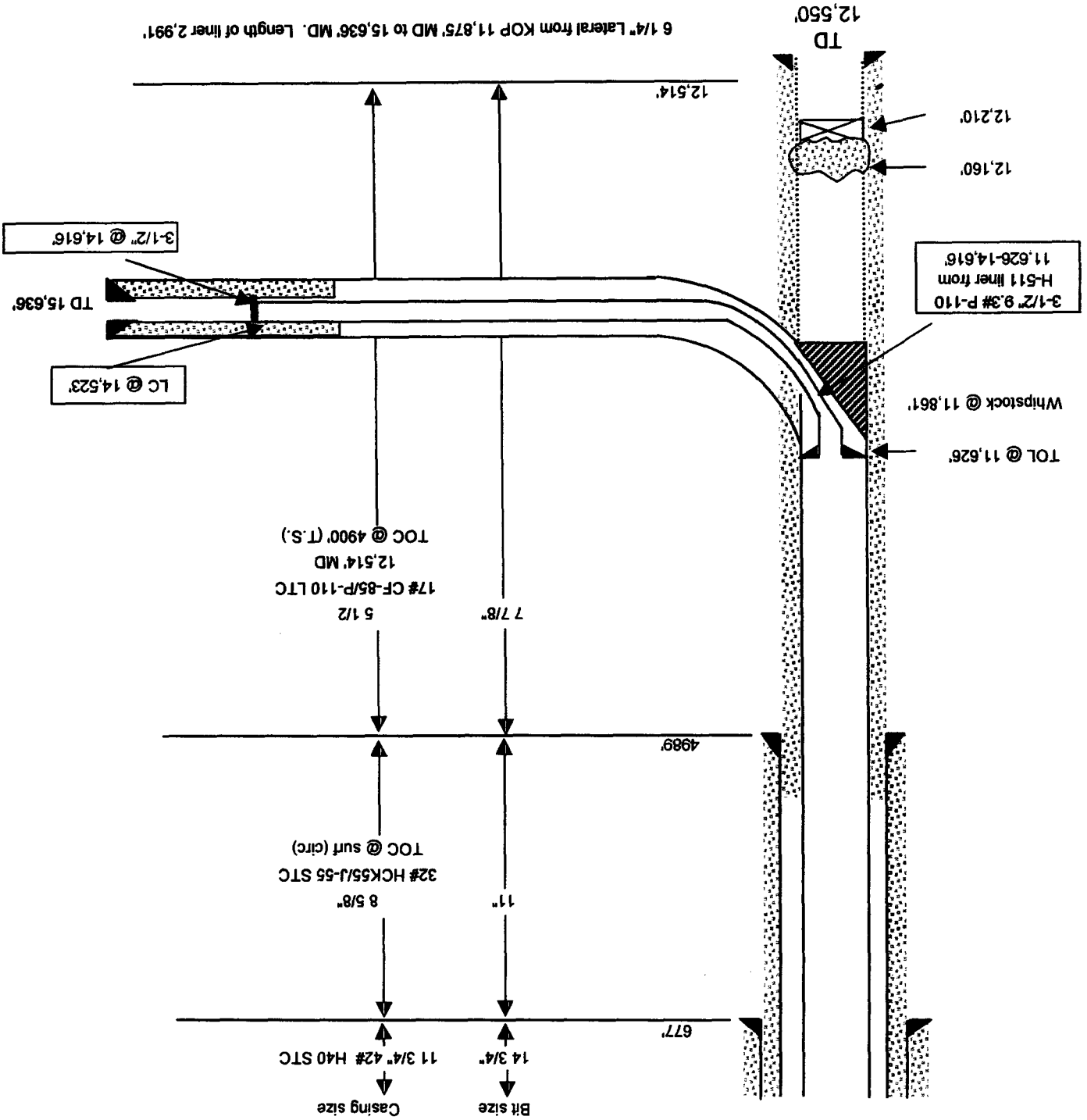
VI.

Operator	Lease/Well	Status	Location	Spud Date	Drilled TD PBDT	Surface Casing			Production Casing			Producing Perforations
						Size	Depth	Cement	Size	Depth	Cement	
EOG Resources, Inc.	Red Hills North Unit #801	ACT-Oil	Sec. 18-T25S-R34E	7/29/1995	15636' 14616'	11-3/4"	677'	350sx	3-1/2"	15636'	110sx	12891'-14480'
EOG Resources, Inc.	Red Hills North Unit #803	ACT-Oil	Sec. 18-T25S-R34E	2/6/1995	12550' 12455'	11-3/4"	674'	110sx	5-1/2"	12547'	1300sx	12230'-12280'
EOG Resources, Inc.	Red Hills North Unit #804	ACT-Oil	Sec. 18-T25S-R34E	4/19/1995	12550' 12450'	11-3/4"	671'	350sx	5-1/2"	12550'	1142sx	12258'-12368'
EOG Resources, Inc.	Red Hills North Unit #807	ACT-Oil	Sec. 18-T25S-R34E	7/21/1999	12550' 12392'	11-3/4"	659'	450sx	5-1/2"	12435'	1110sx	12186'-12201'
EOG Resources, Inc.	Red Hills North Unit #811H	ACT-Oil	Sec. 8-T26S-R34E	6/2/1995	12500' 11855'	11-3/4"	679'	350sx	3-1/2"	15281'	105sx	12644'-15108'
EOG Resources, Inc.	Red Hills North Unit #901H	ACT-Oil	Sec. 17-T25S-R34E	1/23/1995	15820' 12870'	13-3/8"	588'	500sx	5-1/2"	15379'	1576sx	12808'-15170'
EOG Resources, Inc.	Red Hills North Unit #902H	ACT-Oil	Sec. 17-T25S-R34E	7/7/1995	12500' 11854'	11-3/4"	653'	350sx	3-1/2"	15104'	245sx	12494'-14609'
EOG Resources, Inc.	Red Hills North Unit #904H	ACT-Oil	Sec. 17-T25S-R34E	11/5/2003	13849' 13304'	11-3/4"	670'	575sx	4-1/2"	13347'	265sx	12709'-13200'
EOG Resources, Inc.	Javelina 17 Fed #3	ACT-Oil	Sec. 17-T25S-R34E	10/27/1999	14080' 14049'	11-3/4"	683'	400sx	5-1/2"	12863'	1210sx	13704'-13832'

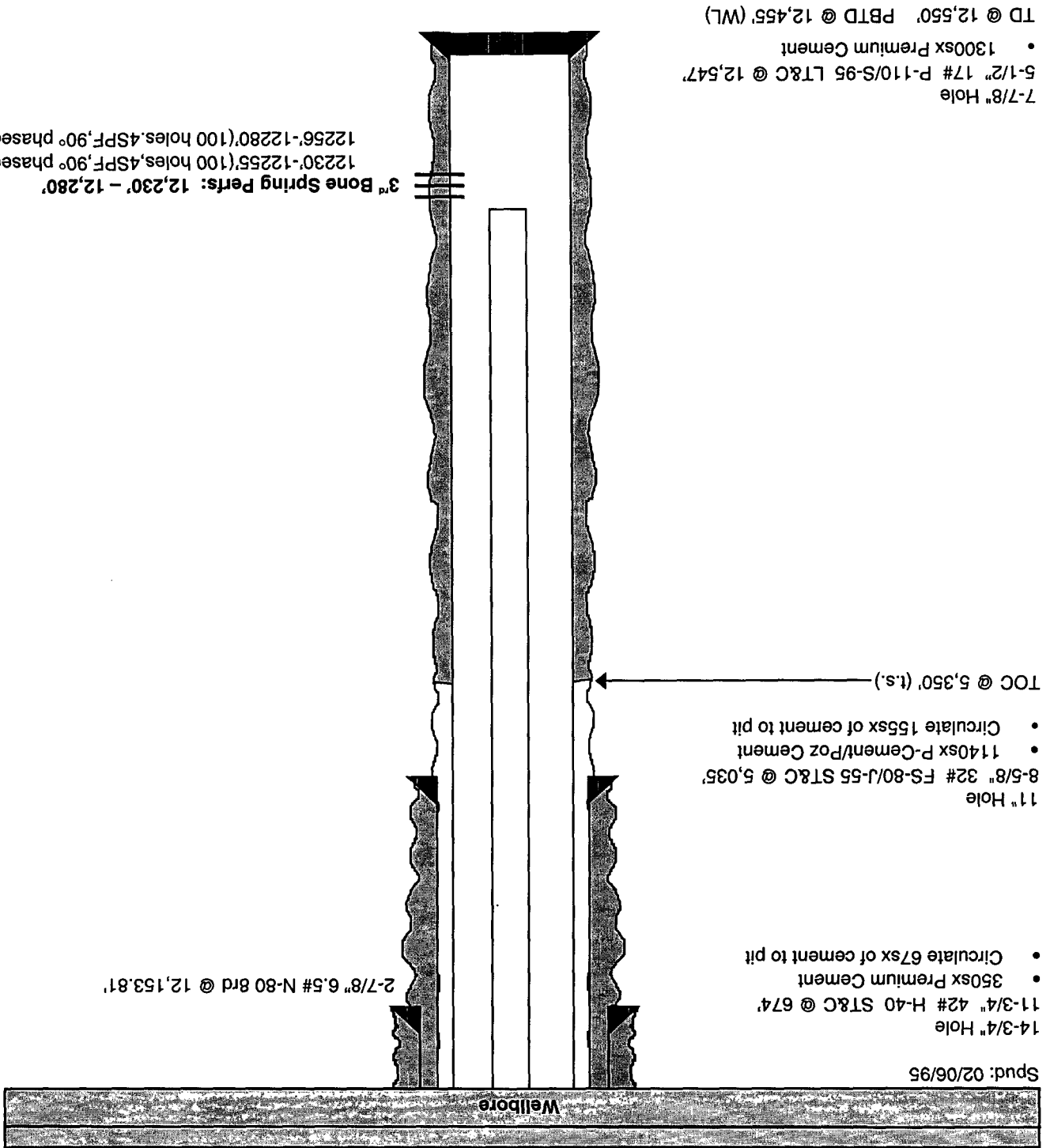
Red Hills North Unit No. 801 R/E
 1827' FNL & 660' FWL
 Sec. 18-25S-34E
 Lea County, New Mexico



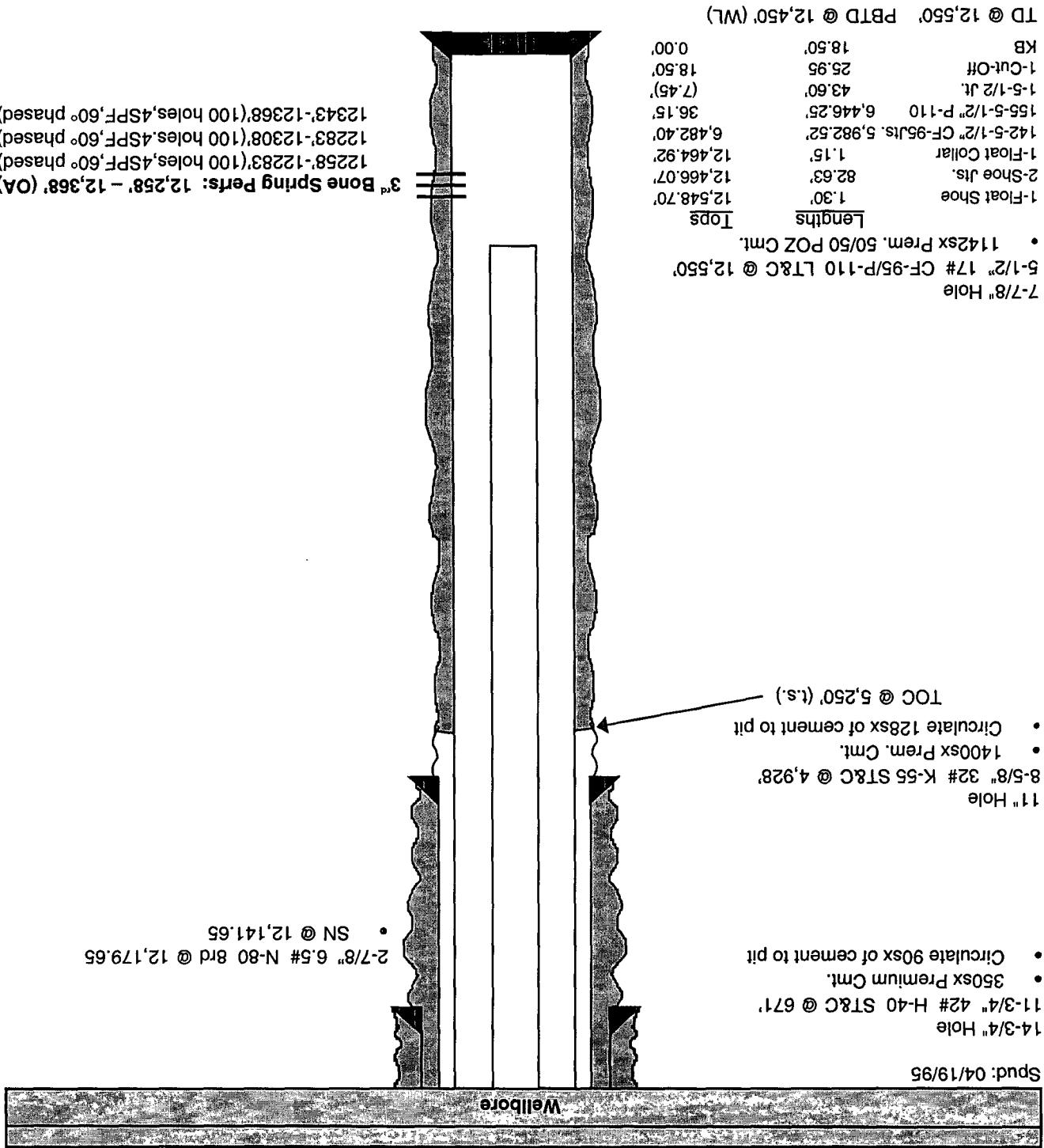
Deviation 618.03N & 3536.29E
 BHL 1208.97N & 1083.71 FEL



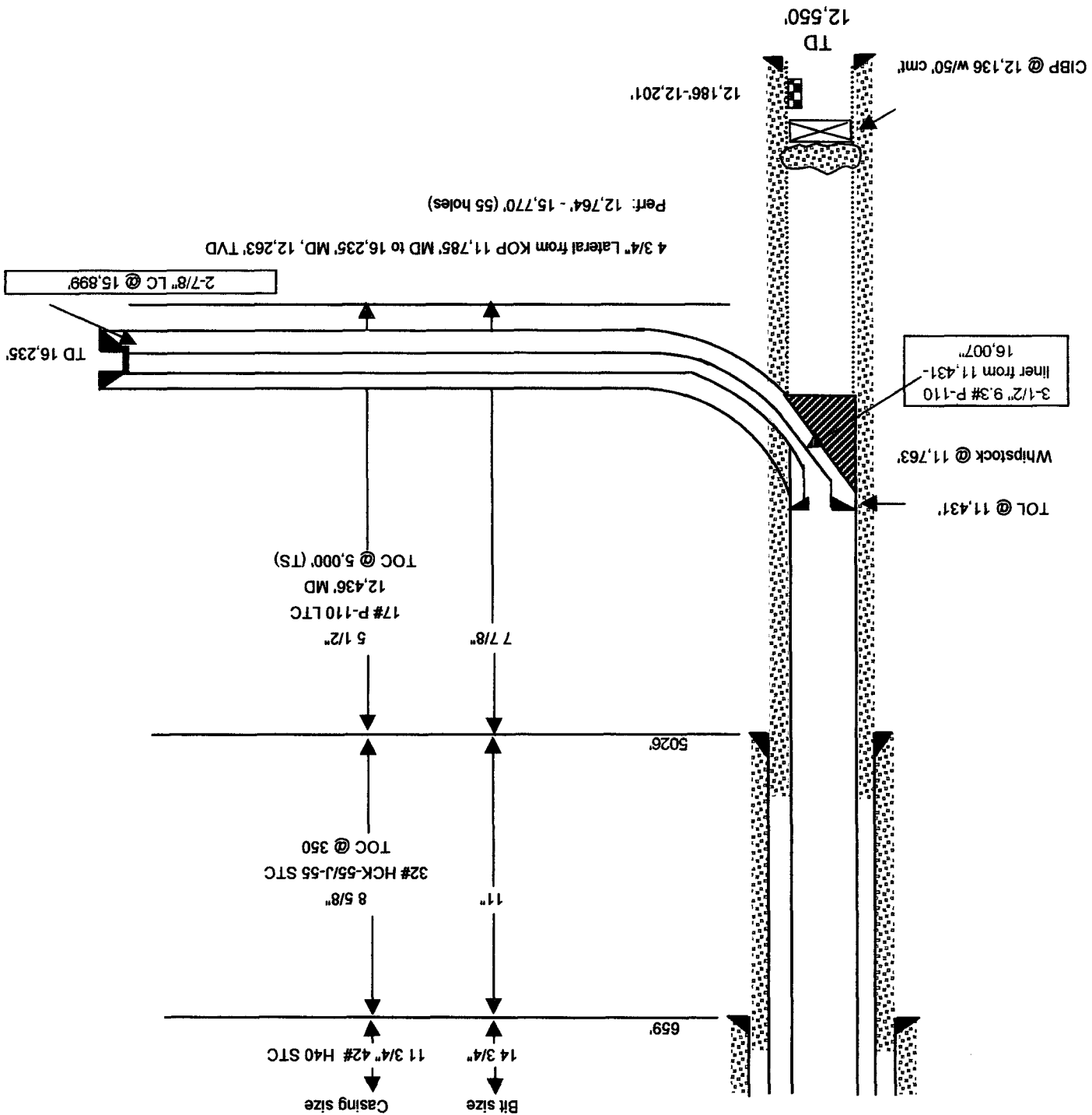
WELLBORE SCHEMATIC



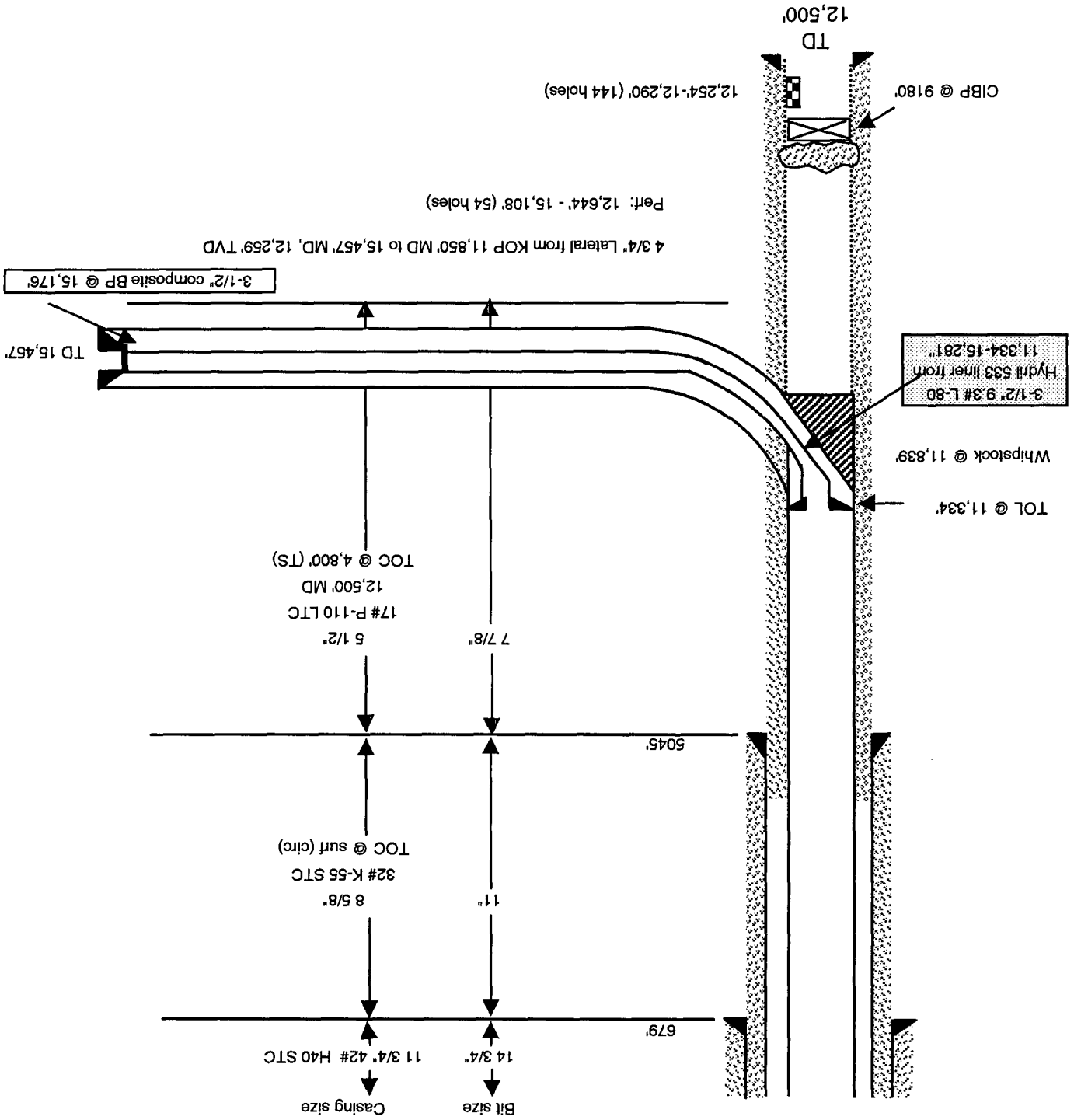
WELLBORE SCHEMATIC



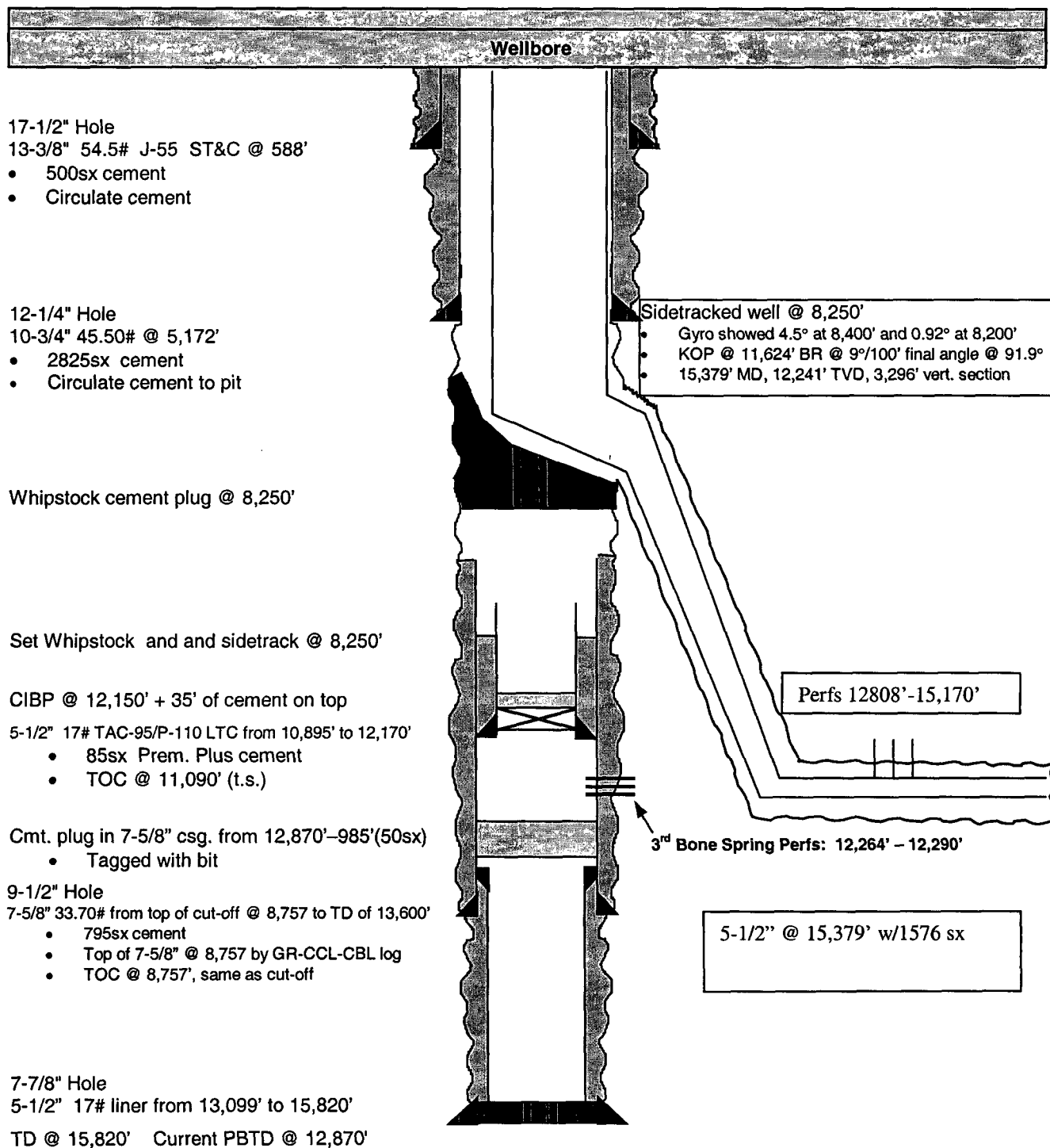
RHNU No.807H R/E
 990' FSL & 330' FWL
 Sec. 16-25S-34E
 Lea County, New Mexico
 API 30-025-34659
 102767



RHNU No. 811H R/E
 509' FWL & 662' FSL
 Sec. 8-25S-34E
 Lea County, New Mexico
 API 30-025-32980
 102571



WELLBORE SCHEMATIC



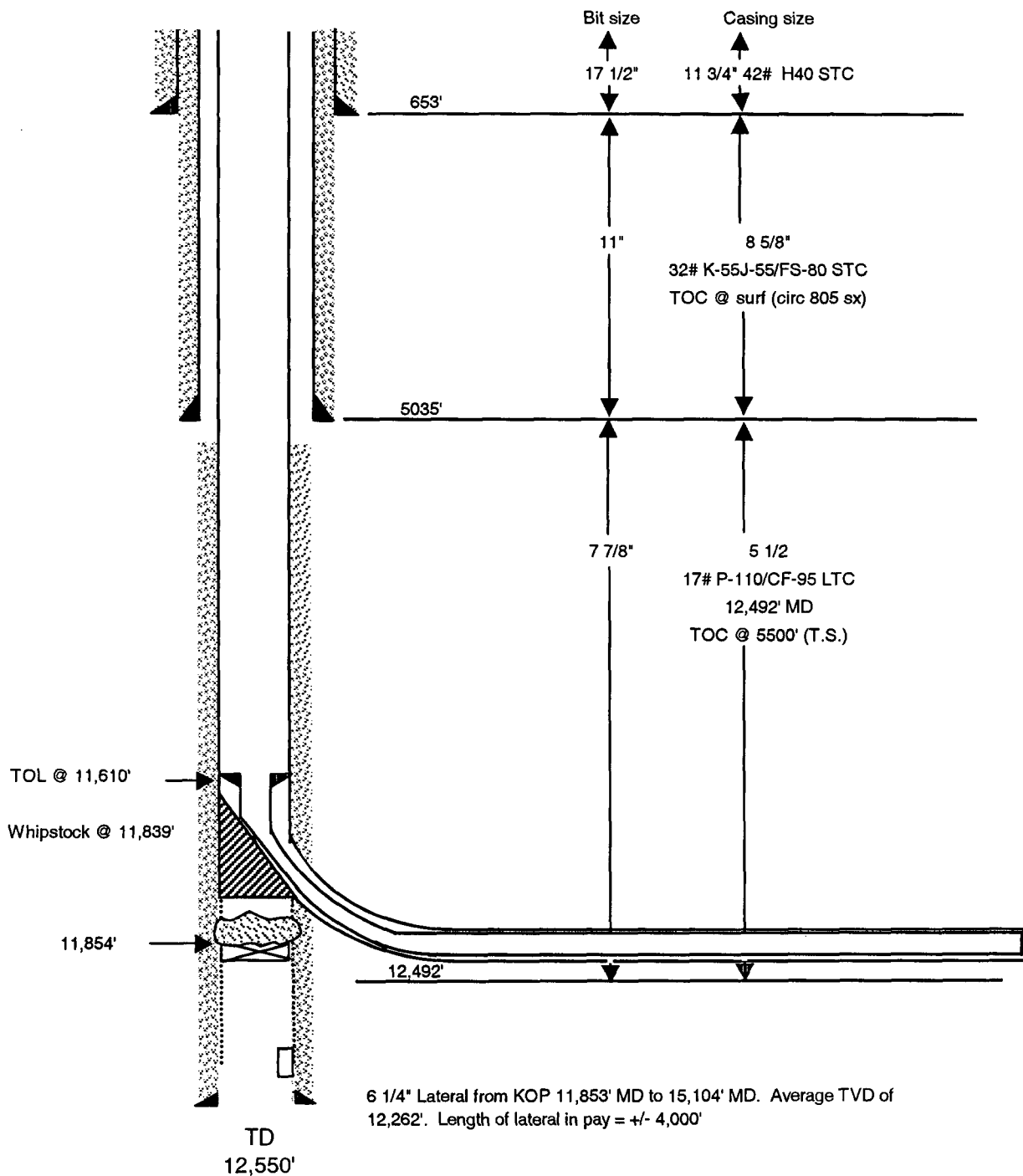


Red Hills North Unit No. 902 R/E

1830' FNL & 660' FWL

Sec. 17-25S-34E

Lea County, New Mexico





Red Hills North Unit No. 904

1000' FNL & 1700' FWL

Sec. 17-25S-34E

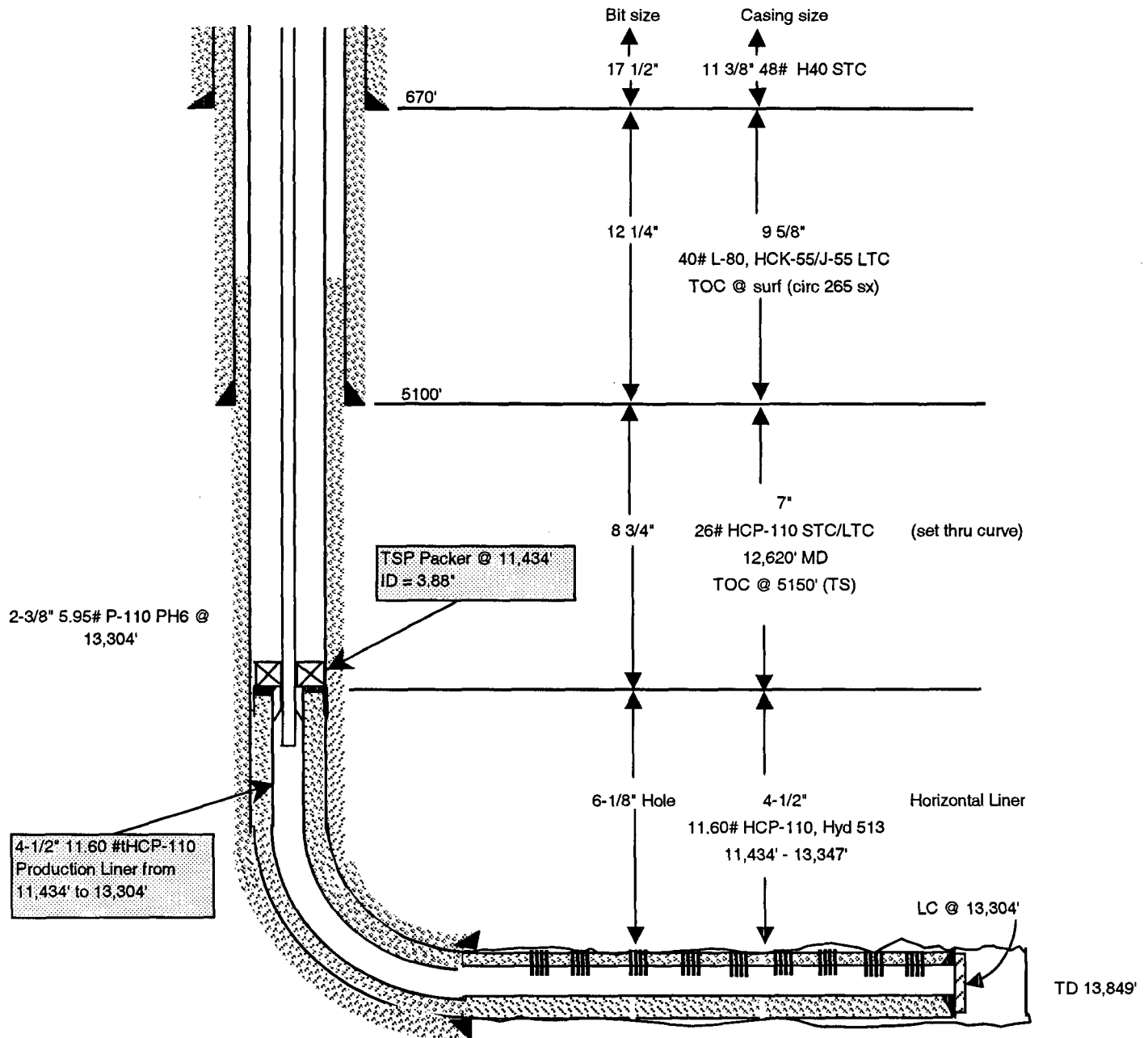
Lea County, New Mexico

API 30-025-36237

AFE 102599

Deviation 87.97° S, 1585.96° W

BHL 912.03 FNL & 114.04 FWL



6 1/8" Lateral from KOP 11,912' MD to 13,849' MD. Gross lateral length of 1,937'.

Perfs: 12,709 (11 holes), 12,939 (13 holes), 13,200' (27 holes) = 51 holes 6 SPF @ 60° phasing.

7/14/2005

WELLBORE SCHEMATIC

