

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Division

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

1625 N. French Dr.

NM-105886

HOBBS, NM 88240

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 reverse side

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Cimarex Energy Co. of Colorado

3a. Address

PO Box 140907; Irving, TX 75014-0907

3b. Phone No. (include area code)

972-401-3111

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SHL 1980 FNL & 330 FWL 11-15S-31E

BHL 1980 FNL & 330 FEL

Lease Serial No.

NM-105886

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

Pending

8. Well Name and No.

Enterprise 11 Federal Com No. 3

9. API Well No.

30-005-29057

10. Field and Pool, or Exploratory Area

Abo Wildcat

11. County or Parish, State

Chaves County, NM

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

TYPE OF SUBMISSION

☒ Notice of Intent☐ Subsequent Report☐ Final Abandonment Notice

TYPE OF ACTION

☐ Acidize☒ Alter Casing☐ Casing Repair☒ Change Plans☐ Convert to Injection☐ Deepen☐ Fracture Treat☐ New Construction☐ Plug and Abandon☐ Plug Back☐ Production (Start/Resume)☐ Reclamation☐ Recomplete☐ Temporarily Abandon☐ Water Disposal☐ Water Shut-Off☐ Well Integrity☐ Other

13. Describe Proposed or Completed Operation (clearly state all pertinent details, included estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat 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 recompleat 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.)

Cimarex has decided to drill the horizontal without a pilot hole as shown below:

Previous Casing Plan

Pilot Hole: In 8½" hole, set 7" 26# P-110 LTC casing to 9250.' Cement with 1437 sx Super H + 0.5% Halad-344 + 0.4% CFR-3 + 1# Salt + 5# Gilsontite + 0.125# Poly-e-flake + 0.35% HR-7 (wt 13, yld 1.67). **TOC 1300.'**

Lateral: In 6½" hole, set 4½" 11.6# P-110 LTC PEAK casing to 13386.' No cement required.

New Casing Plan

Production: In 8½" hole, set 7" 26# P-110 LTC casing to 8450.' Cement with Lead 275 sx Interfill H + 0.1% HR-7 + 1# Pheno Seal Wt 11.6, yld 2.78) and Tail 202 sx Super H + 0.5% Halad-344 + 0.4% CFR-3 + 1# Salt + 3# Pheno Seal + 0.35% HR-7 (wt 13.2, yld 1.62). **TOC 3750.'**

Lateral: Drill out 7" with a 6½" bit and drill to KOP of 8555.' Land curve @ 8790' and drill to TD of 13306.' Set 4½" 11.6# P-110 BTC from RSB packer @ 8455' to EOC @ 8790.' Set 4½" 11.6# P-110 LTC casing from EOC @ 8790' to TD @ 13306.' Liner will be PEAK, so no cement is required.**

**** Please see attached wellbore diagram.**

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Zeno Farris

Signature

Zeno Farris

Title

Manager Operations Administration

Date

October 30, 2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

/S/ DAVID R. GLASS

Title

PETROLEUM ENGINEER

Date

NOV 14 2008

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

K2

Title 18 U.S.C. Section 1001, makes 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 reverse)



Weatherford®

Drilling Services

Proposal



ENTERPRISE 11 FED COM #3

CHAVES COUNTY, NEW MEXICO

WELL FILE: **PLAN 1**

October 30, 2008

Weatherford International, Ltd.
P.O. Box 61028
Midland, TX 79711 USA
+1.432.561.8892 Main
+1.432.561.8895 Fax
www.weatherford.com



ENTERPRISE 11 FED COM #3H
CHAVES COUNTY, NEW MEXICO



Weatherford

FIELD DETAILS

Chaves Co., NM (NAD 27)

Geodetic System: US State Plane Coordinate System 1927
Ellipsoid: NAD27 (Clarke 1866)
Zone: New Mexico, Eastern Zone
Magnetic Model: bggm2007

System Datum: Mean Sea Level
Local North: Grid North

SITE DETAILS

Enterprise 11 Fed Com #3

Site Centre Northing: 739623.00
Easting: 663654.10

Ground Level: 4404.00
Positional Uncertainty: 0.00
Convergence: 0.29

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	89.48	0.00	0.00	0.00	0.00	0.00	0.00	
2	8555.00	0.00	89.48	8555.00	0.00	0.00	0.00	0.00	0.00	
3	8924.14	90.00	89.48	8790.00	2.13	234.99	24.38	89.48	235.00	
4	13305.83	90.00	89.48	8790.00	41.80	4616.50	0.00	0.00	4616.69	PBHL

WELL DETAILS

Name+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
#3 0.00	0.00	739623.00	663654.10	33°01'55.718N	103°47'57.633W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PBHL	8790.00	41.80	4616.50	739664.80	668270.60	33°01'55.897N	103°47'03.406W	Point



Azimuths to Grid North
True North -0.29°
Magnetic North 7.83°

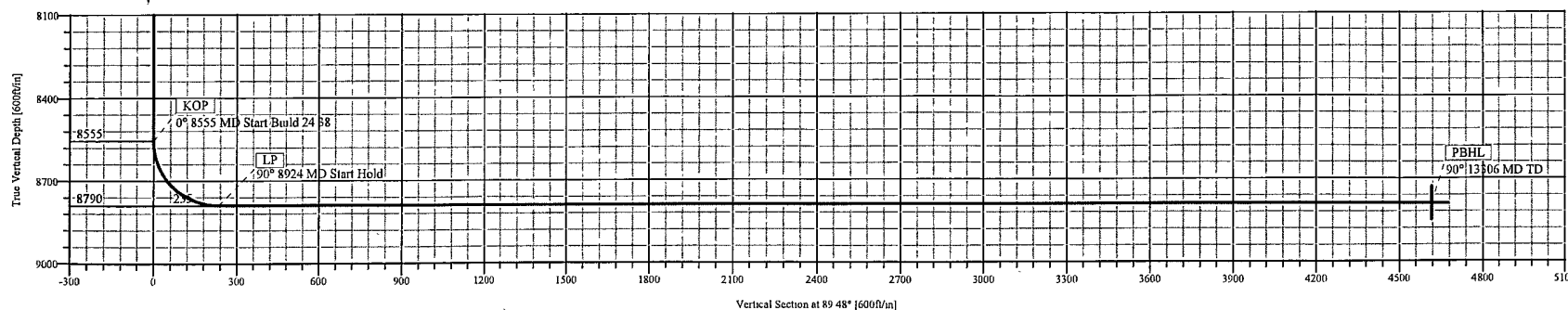
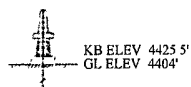
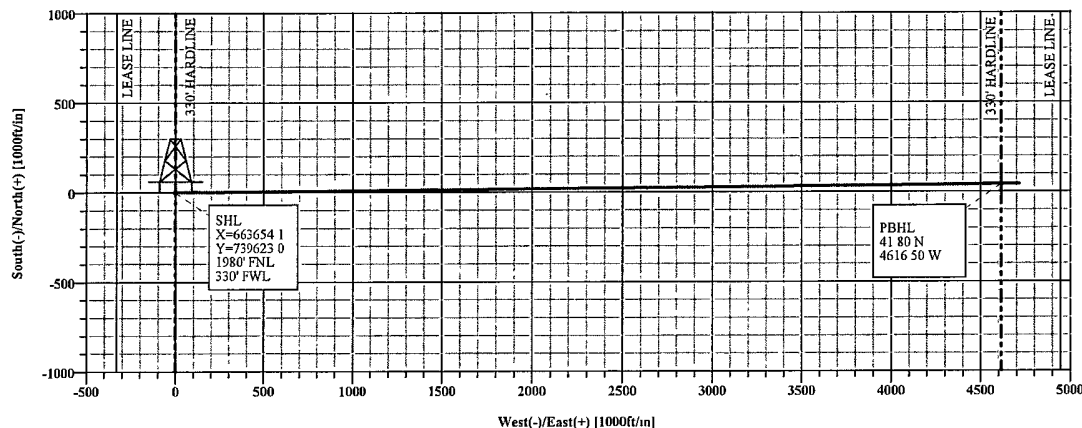
Magnetic Field
Strength 49388nT
Dip Angle 60.97°
Date 10/30/2008
Model bggm2007

TOTAL CORRECTION TO GRID NORTH 7.83°

FORMATION TOP DETAILS

No	TVDPath	MDPath	Formation
1	8790.00	13200.00	Lower Abo Dolomite

VERTICAL SECTION AZIMUTH 89.48°



Plan Plan #1 (#3/1)

Created By: Jayme Wilson

Date: 10/30/2008

Checked: _____

Date: _____



Weatherford International Ltd.

PROPOSAL PLAN REPORT



Weatherford

Company: CIMAREX	Date: 10/30/2008	Time: 15:02:00	Page: 1
Field: Chaves Co., NM (NAD 27)	Co-ordinate(NE) Reference: Well: #3, Grid North		
Site: Enterprise 11 Fed Com #3	Vertical (TVD) Reference: SITE 4425.5		
Well: #3	Section (VS) Reference: Well (0.00N,0.00E,89.48Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Plan: Plan #1	Date Composed: 10/30/2008
	Version: 1
Principal: Yes	Tied-to: From Surface

Field: Chaves Co., NM (NAD 27)

Map System: US State Plane Coordinate System 1927	Map Zone: New Mexico, Eastern Zone
Geo Datum: NAD27 (Clarke 1866)	Coordinate System: Well Centre
Sys Datum: Mean Sea Level	Geomagnetic Model: bggm2007

Site: Enterprise 11 Fed Com #3

Site Position:	Northing: 739623.00 ft	Latitude: 33 1 55.718 N
From: Map	Easting: 663654.10 ft	Longitude: 103 47 57.635 W
Position Uncertainty: 0.00 ft		North Reference: Grid
Ground Level: 4404.00 ft		Grid Convergence: 0.29 deg

Well: #3	Slot Name:
Well Position: +N/-S 0.00 ft	Northing: 739623.00 ft
+E/-W 0.00 ft	Easting: 663654.10 ft
Position Uncertainty: 0.00 ft	Latitude: 33 1 55.718 N
	Longitude: 103 47 57.635 W

Wellpath: 1	Drilled From: Surface
Current Datum: SITE	Tie-on Depth: 0.00 ft
Magnetic Data: 10/30/2008	Above System Datum: Mean Sea Level
Field Strength: 49388 nT	Declination: 8.12 deg
Vertical Section: Depth From (TVD)	Mag Dip Angle: 60.97 deg
ft	+N/-S
ft	+E/-W
ft	Direction
ft	deg
0.00	0.00
0.00	0.00
0.00	89.48

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	89.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
8555.00	0.00	89.48	8555.00	0.00	0.00	0.00	0.00	0.00	0.00	
8924.14	90.00	89.48	8790.00	2.13	234.99	24.38	24.38	0.00	89.48	
13305.83	90.00	89.48	8790.00	41.80	4616.50	0.00	0.00	0.00	0.00	PBHL

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	Build deg/100ft	Turn deg/100ft	DLS deg/100ft	TFO deg	Comment
8500.00	0.00	89.48	8500.00	0.00	0.00	0.00	0.00	0.00	0.00	89.48	
8555.00	0.00	89.48	8555.00	0.00	0.00	0.00	0.00	0.00	0.00	89.48	KOP
8560.00	1.22	89.48	8560.00	0.00	0.05	0.05	24.38	0.00	24.38	0.00	
8580.00	6.10	89.48	8579.95	0.01	1.33	1.33	24.38	0.00	24.38	0.00	
8600.00	10.97	89.48	8599.73	0.04	4.30	4.30	24.38	0.00	24.38	0.00	
8620.00	15.85	89.48	8619.17	0.08	8.93	8.93	24.38	0.00	24.38	0.00	
8640.00	20.72	89.48	8638.16	0.14	15.20	15.21	24.38	0.00	24.38	0.00	
8660.00	25.60	89.48	8656.54	0.21	23.07	23.07	24.38	0.00	24.38	0.00	
8680.00	30.48	89.48	8674.19	0.29	32.47	32.47	24.38	0.00	24.38	0.00	
8700.00	35.35	89.48	8690.97	0.39	43.33	43.33	24.38	0.00	24.38	0.00	
8720.00	40.23	89.48	8706.77	0.50	55.58	55.58	24.38	0.00	24.38	0.00	
8740.00	45.11	89.48	8721.47	0.63	69.13	69.14	24.38	0.00	24.38	0.00	
8760.00	49.98	89.48	8734.97	0.76	83.88	83.89	24.38	0.00	24.38	0.00	
8780.00	54.86	89.48	8747.17	0.90	99.73	99.73	24.38	0.00	24.38	0.00	
8800.00	59.73	89.48	8757.97	1.06	116.55	116.56	24.38	0.00	24.38	0.00	
8820.00	64.61	89.48	8767.30	1.22	134.23	134.24	24.38	0.00	24.38	0.00	
8840.00	69.49	89.48	8775.10	1.38	152.64	152.65	24.38	0.00	24.38	0.00	



Weatherford International Ltd.

PROPOSAL PLAN REPORT

**Weatherford®**

Company: CIMAREX
Field: Chaves Co., NM (NAD 27)
Site: Enterprise 11 Fed Com #3
Well: #3
Wellpath: 1

Date: 10/30/2008 Time: 15:02:00 Page: 2
Co-ordinate(NE) Reference: Well: #3, Grid North
Vertical (TVD) Reference: SITE 4425.5
Section (VS) Reference: Well (0.00N,0.00E,89.48Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	Build deg/100ft	Turn deg/100ft	DLS deg/100ft	TFO deg	Comment
8860.00	74.36	89.48	8781.30	1.55	171.65	171.66	24.38	0.00	24.38	0.00	
8880.00	79.24	89.48	8785.87	1.73	191.11	191.12	24.38	0.00	24.38	0.00	
8900.00	84.12	89.48	8788.76	1.91	210.90	210.91	24.38	0.00	24.38	0.00	
8920.00	88.99	89.48	8789.96	2.09	230.85	230.86	24.38	0.00	24.38	0.00	
8924.14	90.00	89.48	8790.00	2.13	234.99	235.00	24.38	0.00	24.38	0.00	LP
9000.00	90.00	89.48	8790.00	2.81	310.85	310.86	0.00	0.00	0.00	0.00	
9100.00	90.00	89.48	8790.00	3.72	410.85	410.86	0.00	0.00	0.00	0.00	
9200.00	90.00	89.48	8790.00	4.63	510.84	510.86	0.00	0.00	0.00	0.00	
9300.00	90.00	89.48	8790.00	5.53	610.84	610.86	0.00	0.00	0.00	0.00	
9400.00	90.00	89.48	8790.00	6.44	710.83	710.86	0.00	0.00	0.00	0.00	
9500.00	90.00	89.48	8790.00	7.34	810.83	810.86	0.00	0.00	0.00	0.00	
9600.00	90.00	89.48	8790.00	8.25	910.83	910.86	0.00	0.00	0.00	0.00	
9700.00	90.00	89.48	8790.00	9.15	1010.82	1010.86	0.00	0.00	0.00	0.00	
9800.00	90.00	89.48	8790.00	10.06	1110.82	1110.86	0.00	0.00	0.00	0.00	
9900.00	90.00	89.48	8790.00	10.96	1210.81	1210.86	0.00	0.00	0.00	0.00	
10000.00	90.00	89.48	8790.00	11.87	1310.81	1310.86	0.00	0.00	0.00	0.00	
10100.00	90.00	89.48	8790.00	12.77	1410.81	1410.86	0.00	0.00	0.00	0.00	
10200.00	90.00	89.48	8790.00	13.68	1510.80	1510.86	0.00	0.00	0.00	0.00	
10300.00	90.00	89.48	8790.00	14.58	1610.80	1610.86	0.00	0.00	0.00	0.00	
10400.00	90.00	89.48	8790.00	15.49	1710.79	1710.86	0.00	0.00	0.00	0.00	
10500.00	90.00	89.48	8790.00	16.40	1810.79	1810.86	0.00	0.00	0.00	0.00	
10600.00	90.00	89.48	8790.00	17.30	1910.78	1910.86	0.00	0.00	0.00	0.00	
10700.00	90.00	89.48	8790.00	18.21	2010.78	2010.86	0.00	0.00	0.00	0.00	
10800.00	90.00	89.48	8790.00	19.11	2110.78	2110.86	0.00	0.00	0.00	0.00	
10900.00	90.00	89.48	8790.00	20.02	2210.77	2210.86	0.00	0.00	0.00	0.00	
11000.00	90.00	89.48	8790.00	20.92	2310.77	2310.86	0.00	0.00	0.00	0.00	
11100.00	90.00	89.48	8790.00	21.83	2410.76	2410.86	0.00	0.00	0.00	0.00	
11200.00	90.00	89.48	8790.00	22.73	2510.76	2510.86	0.00	0.00	0.00	0.00	
11300.00	90.00	89.48	8790.00	23.64	2610.76	2610.86	0.00	0.00	0.00	0.00	
11400.00	90.00	89.48	8790.00	24.54	2710.75	2710.86	0.00	0.00	0.00	0.00	
11500.00	90.00	89.48	8790.00	25.45	2810.75	2810.86	0.00	0.00	0.00	0.00	
11600.00	90.00	89.48	8790.00	26.36	2910.74	2910.86	0.00	0.00	0.00	0.00	
11700.00	90.00	89.48	8790.00	27.26	3010.74	3010.86	0.00	0.00	0.00	0.00	
11800.00	90.00	89.48	8790.00	28.17	3110.74	3110.86	0.00	0.00	0.00	0.00	
11900.00	90.00	89.48	8790.00	29.07	3210.73	3210.86	0.00	0.00	0.00	0.00	
12000.00	90.00	89.48	8790.00	29.98	3310.73	3310.86	0.00	0.00	0.00	0.00	
12100.00	90.00	89.48	8790.00	30.88	3410.72	3410.86	0.00	0.00	0.00	0.00	
12200.00	90.00	89.48	8790.00	31.79	3510.72	3510.86	0.00	0.00	0.00	0.00	
12300.00	90.00	89.48	8790.00	32.69	3610.71	3610.86	0.00	0.00	0.00	0.00	
12400.00	90.00	89.48	8790.00	33.60	3710.71	3710.86	0.00	0.00	0.00	0.00	
12500.00	90.00	89.48	8790.00	34.50	3810.71	3810.86	0.00	0.00	0.00	0.00	
12600.00	90.00	89.48	8790.00	35.41	3910.70	3910.86	0.00	0.00	0.00	0.00	
12700.00	90.00	89.48	8790.00	36.31	4010.70	4010.86	0.00	0.00	0.00	0.00	
12800.00	90.00	89.48	8790.00	37.22	4110.69	4110.86	0.00	0.00	0.00	0.00	
12900.00	90.00	89.48	8790.00	38.13	4210.69	4210.86	0.00	0.00	0.00	0.00	
13000.00	90.00	89.48	8790.00	39.03	4310.69	4310.86	0.00	0.00	0.00	0.00	
13100.00	90.00	89.48	8790.00	39.94	4410.68	4410.86	0.00	0.00	0.00	0.00	
13200.00	90.00	89.48	8790.00	40.84	4510.68	4510.86	0.00	0.00	0.00	0.00	Lower Abo Dolomite
13305.83	90.00	89.48	8790.00	41.80	4616.50	4616.69	0.00	0.00	0.00	0.00	PBHL



Weatherford International Ltd.

PROPOSAL PLAN REPORT



Weatherford

Company: CIMAREX Date: 10/30/2008 Time: 15:02:00 Page: 3
Field: Chaves Co., NM (NAD 27) Co-ordinate(NE) Reference: Well: #3, Grid North
Site: Enterprise 11 Fed Com #3 Vertical (TVD) Reference: SITE 4425.5
Well: #3 Section (VS) Reference: Well (0.00N,0.00E,89.48Azi)
Wellpath: 1 Survey Calculation Method: Minimum Curvature Db: Sybase

Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<--- Latitude ---> Deg Min Sec	<--- Longitude ---> Deg Min Sec
PBHL			8790.00	41.80	4616.50	739664.80	668270.60	33 1 55.897 N	103 47 3.406 W

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
13200.00	8790.00	Lower Abo Dolomite		0.00	0.00

Annotation

MD ft	TVD ft	
8555.00	8555.00	KOP
8924.14	8790.00	LP
13305.82	8790.00	PBHL

Casing Points

MD	TVD	Diameter	Hole Size	Name



DRILLING PROGNOSIS
Cimarex Energy Company

10/30/2008

Well:

Location:

County, State

Surface Location:

Bottomhole Loc:

E-Mail:

Wellhead:

Xmas Tree

Tubing:

Superintendent:

Engineer:

Enterprise 11 Fed Com 3H

11-15S-31E

Chaves County, NM

1980 FNL, 330 FWL

1980' FNL 330 FEL

SEC A: 11" 5M x 9-5/8" SOW

SEC B: 11" 5M X 7-1/16" 5M

2 7/8" L80 EUE

Jim Evans

Mark Audas

Lse Serial #:

Field:

Objective:

TVD/MD:

Cementing:

Mud:

Motors:

OH Logs

Rig:

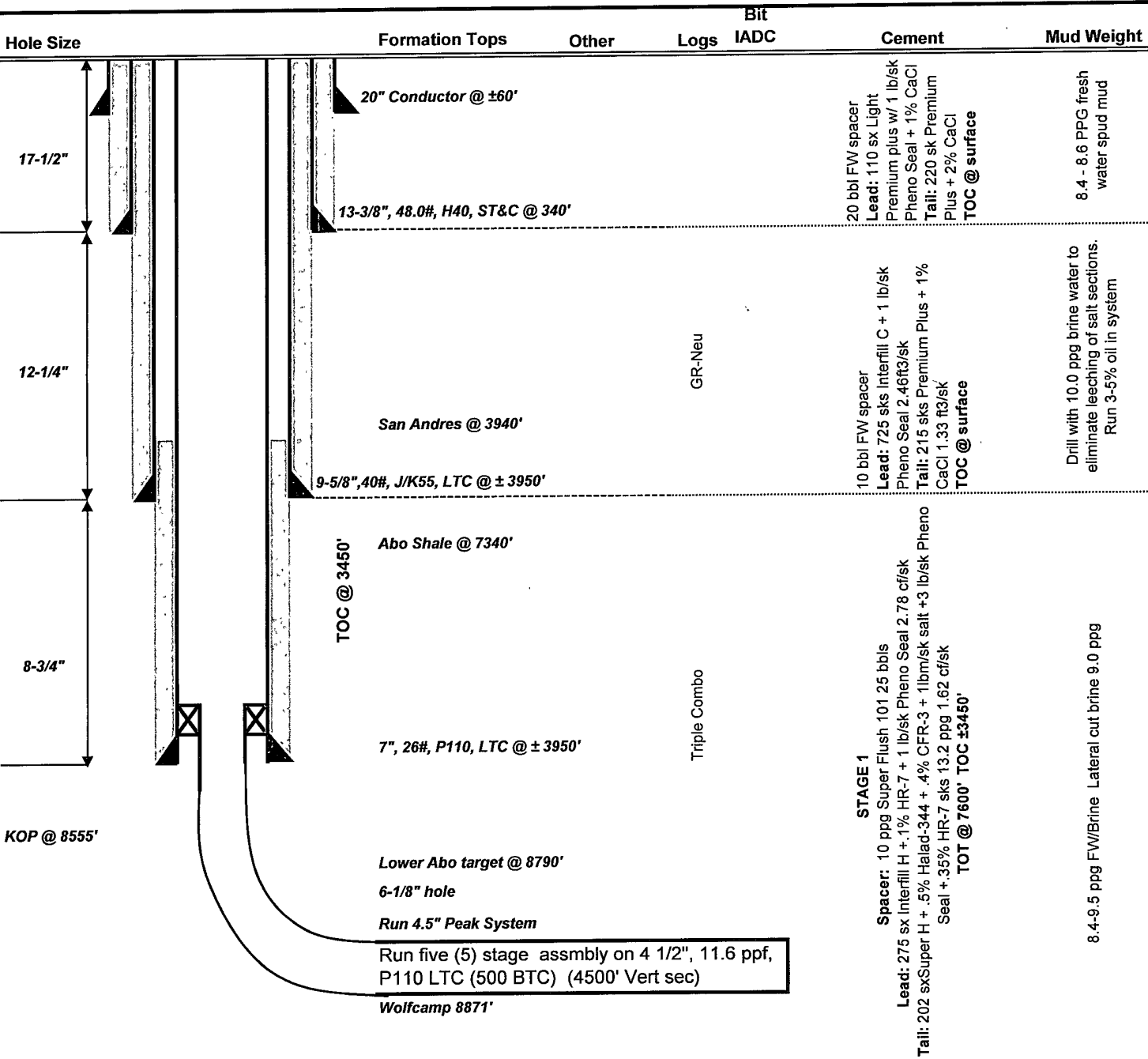
Offset Wells:

8800 / 13000

SLB

Halliburton

Patriot 4



NOTES:
NU annular BOP and rotating head on temporary 13-3/8" (SOW). Cut 13-3/8" SOW flange and install well head on 9-5/8". Set in slips, NU BOP (5M) w/ rotating head and test BOP to 5M w/ test unit. Test casing.
Cement volumes for surface csg include a 100% excess in the open hole section. If drilling conditions deem necessary, fluid caliper hole and adjust volumes.
Cement volumes for intermediate csg include a 70% excess in the open hole section. If drilling conditions deem necessary, fluid caliper hole and adjust volumes.
Drill to 8450' and set 7" csg. Cement volumes for production csg include a 25% excess in the open hole section. Adjust volumes after caliper + 25% excess. Drill out of shoe and to drill 6 1/8" curve and lateral to 13000'

ALL INVOICES ARE TO SHOW CIMAREX ENERGY AS OPERATOR AND USE CIMAREX ACCOUNTING CODES.