AUG 2 1 2009

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 October 12, 2005

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-015-37238		Delaware Wildcat

Property Code	Property Name	Well Number
	RINGER FEE	9 H

OGRID No.	Operator Name	Elevation
	CIMAREX ENERGY CO. OF COLORADO	3313'

Surface Location

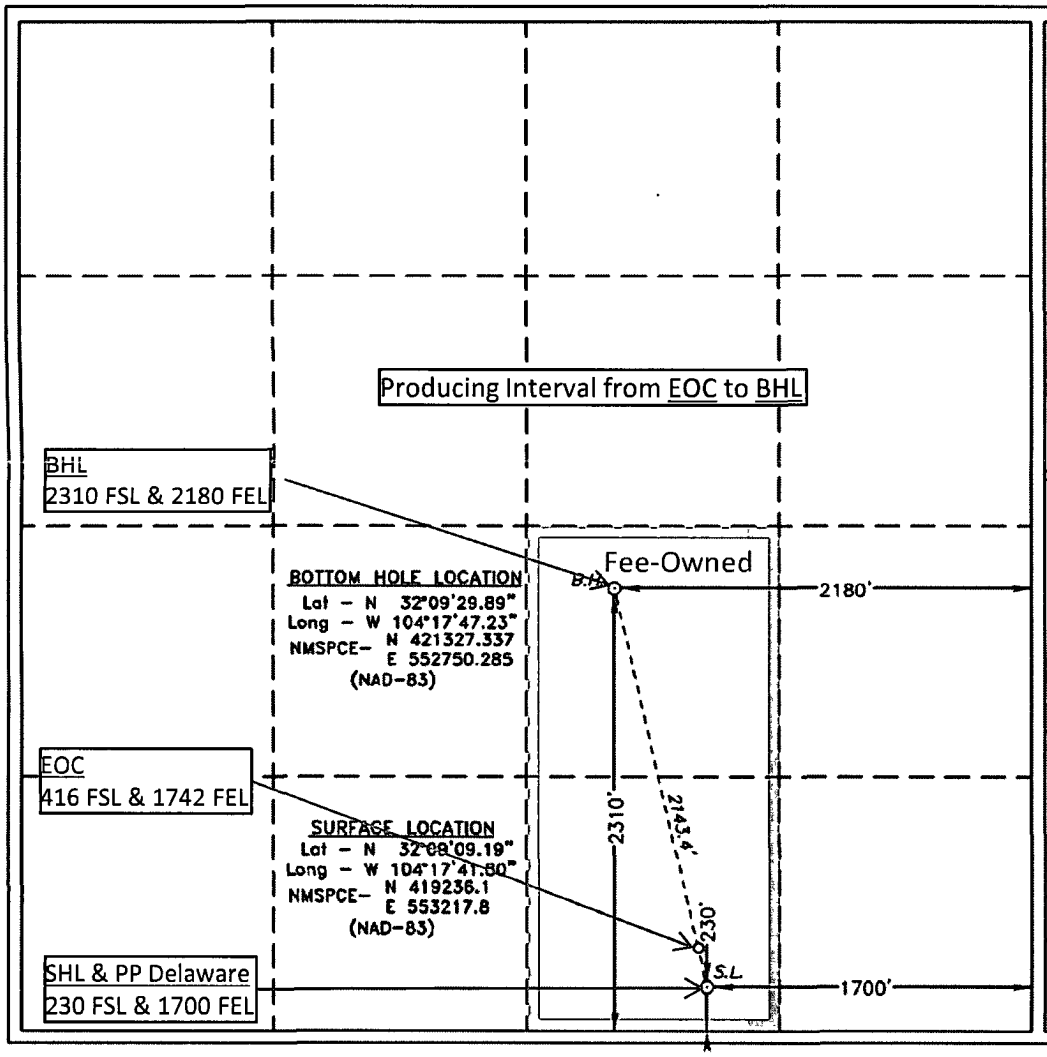
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	4	25 S	26 E		230	SOUTH	1700	EAST	EDDY

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
J	4	25 S	26 E		2310	SOUTH	2180	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
80			NSL Pending

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, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Zeno Farris 8/19/2009
Signature Date

Zeno Farris
Printed Name

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 supervison, and that the same is true and correct to the best of my belief.

JULY 15, 2009
Date Surveyed

Signature & Seal of Professional Surveyor

GARY L. JONES NEW MEXICO REGISTERED PROFESSIONAL LAND SURVEYOR

W.O. [illegible]

Certificate No. Gary L. Jones 7977

BASIN SURVEYS

C-101 - Mud, Csg, Cmt, BOP Attachment

Ringer Fee No. 9H

SHL 230 FSL & 1700 FEL, BHL 2310 FSL & 2180 FEL

4-25S-26E

Eddy County, NM

1. Location: SHL 230 FSL & 1700 FEL
   BHL 2310 FSL & 2180 FEL

2. Elevation above sea level: 3313' GR

3. Geologic name of surface formation: Quaternery Alluvium Deposits

4. Drilling tools and associated equipment: Conventional rotary drilling rig using fluid as a circulating medium for solids removal.

5. Proposed drilling depth: MD 4877' TVD 2816'

6. Estimated tops of geological markers:

Top Salt	968'
Base Salt	1550'
Bell Canyon	1752'
Cherry Canyon	2713'
Cherry Canyon M	2781'
M TVD Target	2816'
Cherry Canyon M3	2830'
Cherry Canyon L	2938'
Cherry Canyon K	3001'

7. Possible mineral bearing formations:

Cherry Canyon	Oil
Bell Canyon	Oil

8. Proposed drilling Plan

After drilling and setting surface casing, drill to vertical TD 3150' and log. Set 5½" casing to 2555' and cross over to 2⅞" 2000 psi IJ fiberglass tubing underneath to 3150' and cement in place. Drill out of the bottom of the 5½" with a 4¾" bit and through cement and fiberglass tubing to KOP @ 2625' and kick off to drill the lateral. The fiberglass tubing effectively circulates cement to surface and plugs back the open hole.

Kick off 4¾" hole @ 2625.' Drill to TD 4877.' Run 2⅞" PEAK liner from RSB packer @ 2525' to TD @ 4877.' Frac as needed through PEAK completion liner.

C-101 - Mud, Csg, Cmt, BOP Attachment
Park State 36 Com No. 2
SHL 660 FNL & 500 FWL, BHL 330 FSL & 375 FWL
36-24S-26E
Eddy County, NM

9. Mud Circulating System:

Depth			Mud Wt	Visc	Fluid Loss	Type Mud
0'	to	430'	8.4 - 8.6	30-32	NC	FW spud mud. Add FW to control weight & viscosity and paper to prevent seepage.
0'	to	3150'	9.9 - 10.0	28-29	NC	Saturated Brine. Sweep as needed to clean hole.
2625'	to	4877'	9.5 - 9.8	28-30	NC	Cut brine. Sweep as needed to clean hole.

Sufficient mud materials will be kept on location at all times in order to combat lost circulation or unexpected kicks. In order to run DSTs, open hole logs, and casing, the viscosity and water loss may have to be adjusted in order to meet these needs.

10. Casing Program:

	Hole Size	Depth			Casing OD		Weight	Collar	Grade
Surface	12¼"	0'	to	430'	New	8⅝"	24#	STC	J-55
Production	7⅞"	0'	to	2555'	New	5½"	17#	LTC	J-55
Fiberglass tbg	7⅞"	2555'	to	3150'	New	2⅞"	2.18#	Fiberglass	IJ
Lateral	4¾"	2525'	to	4877'	New	2⅞"	6.5#	EUE	L-80

11. Cementing Program:

Surface Casing	*Lead:* 150 sx 10:2 RFC (Class A) + 4 pps D24 + 0.125 pps D130, 14.20 ppg, 1.62 cuft/sx, 7.5 gps. *Tail:* 150 sx Class C + 2% S1 + 0.125 pps D130, 14.80 ppg, 1.34 cuft/sx, 6.29 gps. **TOC Surface**
Production casing and Fiberglass tubing	Lead: 550 sx 50:50 Poz:Class H + 5% D44 (bwow) + 6% D20 + 0.2% D46 + 0.125 pps D130, 11.90 ppg, 2.38 cuft/sx, 13.68 gps. Tail: 400 sx TXI Lightweight + 1.33% D44 (bwow) + 0.1% D167 + 0.1% D65 + 0.1% D13, 13.00 ppg, 1.40 cuft/sx, 7.24 gps. **TOC Surface**
Lateral	PEAK completion assembly will be used, so no cement is required.

Fresh water zones will be protected by setting 8⅝" casing at 430' and cementing to surface. Hydrocarbon zones will be protected by setting 5½" casing at 2555' and 2⅞" fiberglass tubing at 3150' and cementing to surface.

Collapse Factor	*Burst Factor*	*Tension Factor*
1.125	1.125	1.6

12. Pressure control Equipment:
Exhibit "E". A 12¼" 5000 PSI working pressure B.O.P. consisting of one set of blind rams and one set of pipe rams and a 5000 # annular type preventer. A choke manifold and 120 gallon accumulator with floor and remote operating stations and auxiliary power system. Rotating head below 430.' A kelly cock will be installed and maintained in operable condition and a drill string safety valve in the open position will be available on the rig floor.

BOP unit will be hydraulically operated. BOP will be nippled up and operated at least once a day while drilling and the blind rams will be operated when out of hole during trips. No abnormal pressure or temperature is expected while drilling. From the base of the surface pipe through the running of production casing, the well will be equipped with a 5000 psi BOP system.

We are requesting a variance for testing the 8⅝" surface casing from Onshore Order No. 2, which states that all casing strings below the conductor shall be pressure tested to 0.22 psi per foot or 1500 psi, whichever is greater, but not to exceed 70% of the manufacturer's stated maximum internal yield. We are requesting to test the 8⅝" casing to 1000 psi using rig pumps. The BOP will be tested to 3000 psi by an independent service company.