HOBBS OCD

JAN 15 2014

RECEIVED

OCD Hobbs

ATS-13-1142

SECRETARY'S POTASH

Form 3160-3
(March 2012)

Split Estate

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires October 31, 2014

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
SHL: NMNM124662; BHL: NMLC0061144

6. If Indian, Allotee or Tribe Name

1a. Type of Work: [X] DRILL [ ] REENTER

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

1b. Type of Well: [X] Oil Well [ ] Gas Well [ ] Other [X] Single Zone [ ] Multiple Zone

8. Lease Name and Well No. 〈40388〉
Perry 22 Federal Com #1H

2. Name of Operator
Cimarex Energy Co. 〈215099〉

9. API Well No.
30-025-41605

3a. Address
202 S. Cheyenne Ave., Ste 1000, Tulsa, OK 74103

3b. Phone No. (include area code)
918-585-1100

10. Field and Pool, or Exploratory 〈37580〉
Bone Spring ~~Wildcat~~ SOUTH

LEA;

4. Location of Well (Report location clearly and in accordance with any State requirements.*)

At Surface: 335 FNL & 330 FEL

At proposed prod. Zone: 330 FSL & 660 FEL

11. Sec., T. R. M. or Blk. and Survey and Area
22, 20S, 34E

14. Distance in miles and direction from nearest town or post office*
Eunice NM is 23 miles to the East of location.

12. County or Parish: Lea

13. State: NM

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line if any)	16. No of acres in lease	17. Spacing Unit dedicated to this well
330'	NMNM124662=440 acres NMLC0061144=80 acres	160

18. Distance from proposed* location to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth	20. BLM/BIA Bond No. on File
1226' to #2	Pilot Hole TD: 11,200 15,504 MD 10,900 TVD	NM2575; NMB000835

21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will start*	23. Estimated duration
3655 GR	12/13/13	35 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor
2. A Drilling Plan
3. A Surface Use Plan (if the location is on National Forest System Lands , the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator Certification
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature	Name (Printed/Typed)	Date
	Terri Stathem	8/20/13

Title: Regulatory Compliance

Approved By (Signature) /s/Aden L. Seidlitz	Name (Printed/Typed)	Date JAN - 6 2014
Title STATE DIRECTOR	Office NM STATE OFFICE	

Application approval 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.
Conditions of approval, if any, are attached.

APPROVAL FOR TWO YEARS

Title 18 U.S.S. 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.

(Continued on page 2)

*(Instructions on page 2)

Kz 01/06/14

SEE ATTACHED FOR CONDITIONS OF APPROVAL

Capitan Controlled Water Basin

Approval Subject to General Requirements & Special Stipulations Attached

JAN 07 2014

Application to Drill
Perry 22 Federal Com #1H
Cimarex Energy Co.
UL: A, Sec. 22, 20S, 34E
Lea Co., NM

8A. Casing Design and Casing Loading Assumptions:

Surface	Tension	A 1.8 design factor with effects of buoyancy: 8.30 ppg.
	Collapse	A 1.125 design factor with full internal evacuation and a collapse force equal to a 8.30 ppg mud gradient.
	Burst	A 1.125 design with a surface pressure equal to the fracture gradient at setting depth less gas gradient to surface.
Intermediate	Tension	A 1.8 design factor with effects of buoyancy: 10.00 ppg.
	Collapse	A 1.125 design factor evacuated 1/3 TVD of next casing string with a collapse force equal to a 10.00 ppg mud gradient.
	Burst	A 1.125 design with a surface pressure equal to the fracture gradient at setting depth less gas gradient to surface.
Production and\or Production Liner	Tension	A 1.8 design factor with effects of buoyancy: 9.00 ppg.
	Collapse	A 1.125 design factor with full internal evacuation of next casing string with a collapse force equal to a 9.00 ppg mud gradient.
	Burst	A 1.125 design with a surface pressure equal to the fracture gradient at setting depth less gas gradient to surface.

9. Cementing Program:

Casing Type	Type	Sacks	Yield	Weight	Cubic Feet	Cement Blend
Surface	Lead	1067	1.75	13.50	1867	Class C + Bentonite + Calcium Chloride + LCM, 8.829 gps water
	Tail	218	1.34	14.80	291	Class C + LCM, 6.32 gps water
	TOC: 0		**85% Excess**			**Centralizers per Onshore Order 2.III.B.1f**
Intermediate	Lead	1254	1.88	12.90	2356	35:65 (poz/C) + Salt + Bentonite + LCM + retarder, 9.65 gps water
	Tail	292	1.34	14.80	391	Class C + retarder + LCM, 6.32 gps water
	TOC: 0		**81% Excess**			
Production	Lead	613	2.40	11.90	1471	35:65 (poz/H) + salt + Sodium Metasilcate + Bentonite + Fluid Loss + Dispersant + LCM + Retarder, 13.80 gps water
	Tail	1377	1.24	14.50	1707	50:50 (poz/H) + Bentonite + Salt + Fluid Loss + Dispersant + LCM + Retarder, 5.55 gps water
	TOC: 5400		**25% Excess**			**No centralizers planned in the lateral section. 1 every jt from EOC to KOP. 1 every 4th joint from KOP to 500' inside previous casing.**

See COA
To a 485'

Cement volumes will be adjusted depending on hole size

9a. Proposed Drilling Plan:

Pilot Hole TD: 11,200' KOP: 10,598' EOC: 11,368'

Set OH mechanical whipstock w/ 552 ft of 2.875 tubing and pump 30 bbls of Mudpush @ 12 ppg, followed by 268 sks Type H cement, dispersant 0.080 gals/sk, retarder 0.045 gals/sk @ 17.50 ppg, 0.94 cuft/sk, & 0% excess from pilot hole TD to KOP. KO lateral and drill through the curve to TD. Run production csg to TD and cement.

500' tie back Secretary's Potash

Application to Drill
Perry 22 Federal Com #1H
Cimarex Energy Co.
UL: A, Sec. 22, 20S, 34E
Lea Co., NM

10. Pressure Control Equipment:
Exhibit "E-1". A BOP consisting of two rams with blind rams and pipe rams, and one annular preventer. Below the surface casing, a 2M system will be used. Below the intermediate casing, a 3M system will be used. See attachments for BOP and choke manifold diagrams. An accumulator that meets the requirements in Onshore Order #2 for the pressure rating of the BOP stack. A Rotating head may be installed as needed. 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 and associated equipment will be installed, used, maintained, and tested in a manner necessary to assure well control and shall be in place and operational prior to drilling the surface casing shoe. The Annular Preventer shall be functioned at least weekly. The pipe and blind rams will be operated each trip. No abnormal pressure or temperature is expected while drilling.

BOPS will be tested by an independent service company. The ram preventers, choke manifold, and safety valves will be tested as follows: On the surface casing, pressure tests will be made to 250 psi low and 2000 psi high. On the intermediate casing, pressure tests will be made to 250 psi low and 3000 psi high.

The Annular Preventer will be tested to 250 psi low and 1000 psi high on the surface casing, and 250 low and 1500 high on the intermediate casing.

See COA

Cimarex Energy Co. of Colorado requests a variance to drill this well using a co-flex line between the BOP and choke manifold. Certification for proposed co-flex hose is attached (please see Exhibit F, F-1, F-2, F-3). The hose is not required by the manufacturer to be anchored. In the event the specific hose is not available, one of equal or higher rating will be used.

See COA

11. Proposed Mud Circulating System:

Depth	Mud Weight	Visc	Fluid Loss	Type Mud
0' to 1680'	8.30	28	NC	FW Spud Mud
1680' to 5600' 5350'	10.00	30-32	NC	Brine Water
5600' to 15504'	9.00	30-32	NC	FW/Cut Brine

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.

The Mud Monitoring System is an electronic Pason System satisfying requirements of Onshore Order 1.

12. Testing, Logging and Coring Program:

A. Mud logging program: 2 man unit from 5600 to TD
B. Electric logging program: CNL / LDT / CAL / GR, DLL /GR -- Inter. Csg to TD
CNL /GR -- Surf to Inter. Csg
C. No DSTs or cores are planned at this time
D.CBL w/ CCL from as far as gravity will let it fall to TOC

13. Potential Hazards: See COA

No abnormal pressures or temperatures are expected. In accordance with Onshore Order 6, Cimarex does not anticipate that there will be enough H_2S from the surface to the Bone Spring formations to meet the BLM's minimum requirements for the submission of an "H_2S Drilling Operation Plan" or "Public Protection Plan" for the drilling and completion of this well. Since we have an H_2S Safety package on all wells, attached is an "H_2S Drilling Operations Plan." Adequate flare lines will be installed off the mud / gas separator where gas may be flared safely. All personnel will be familiar with all aspects of safe operation of equipment being used.

Estimated BHP: 4905 psi Estimated BHT: 168°

14. Construction and Drilling:
Road and location construction will begin after BLM approval of APD. Anticipated spud date as soon as approved.
Drilling expected to take: 35 days.
If production casing is run an additional 30 days will be required to complete and construct surface facilities.

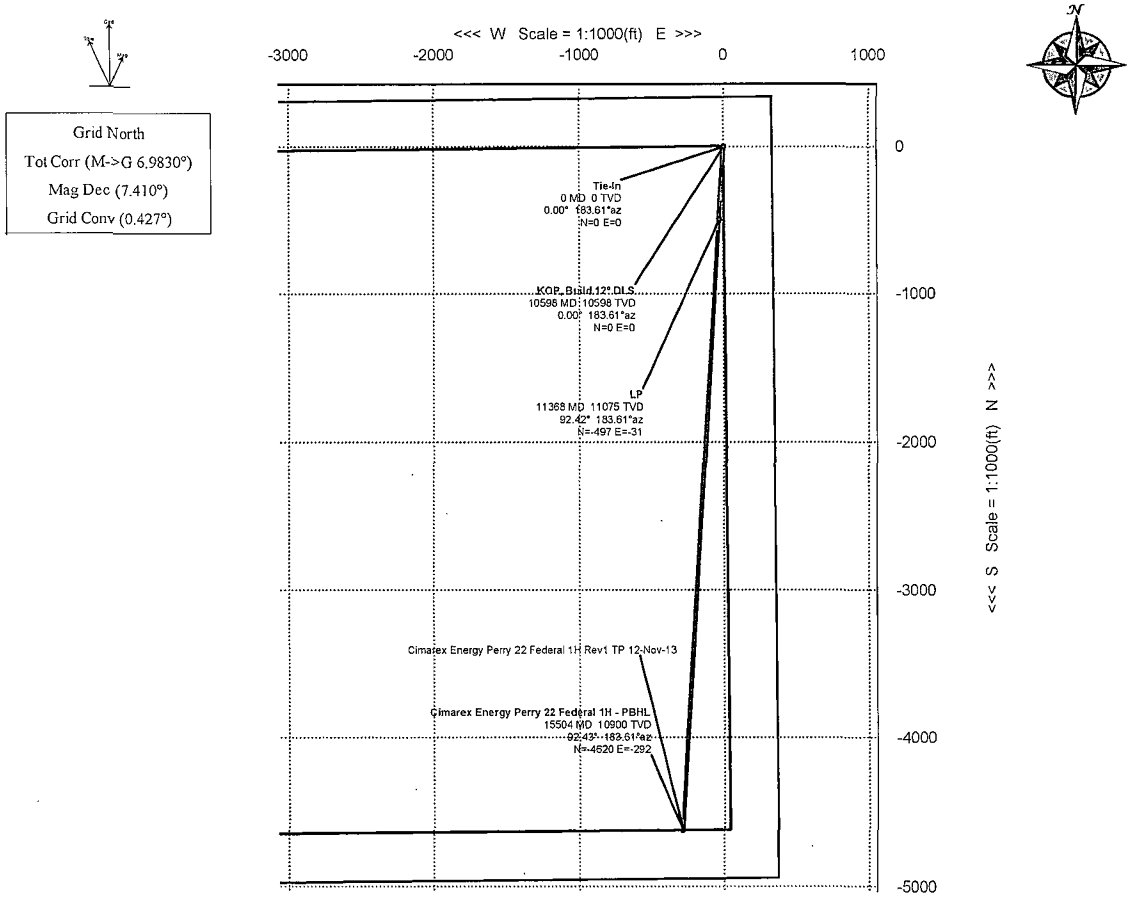
15. Other Facets of Operations:
If production casing is run an additional 30 days will be required to complete and construct surface facilities.
Bone Spring pay will be perforated and stimulated.
The proposed well will be tested and potentialed as **Oil**

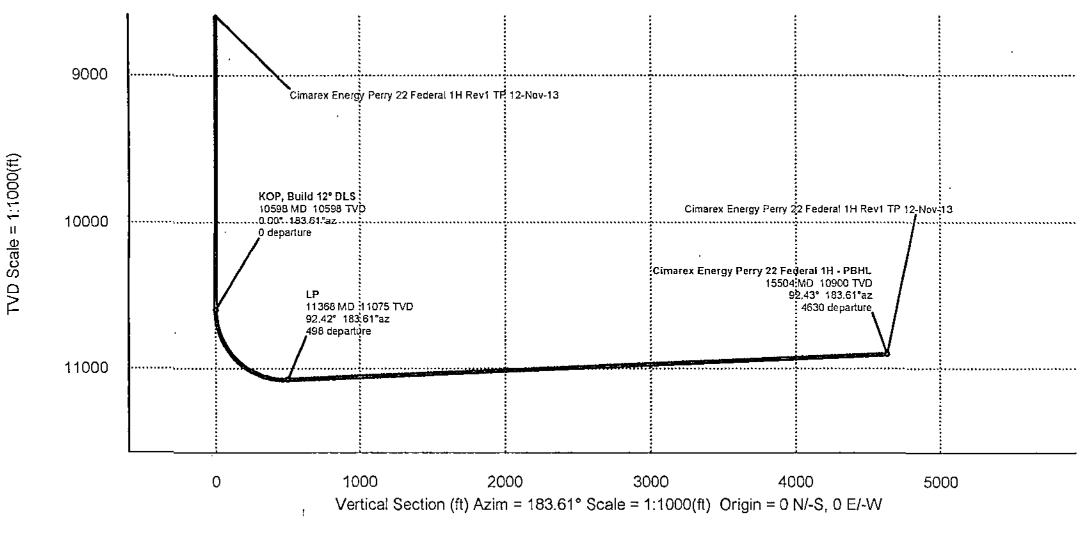
Cimarex Energy

PATHFINDER
A Schlumberger Company

WELL	FIELD	STRUCTURE
Perry 22 Federal 1H	NM Lea County (NAD 83)	Cimarex Perry 22 Federal 1H

Magnetic Parameters	Surface Location	Miscellaneous
Model: BGGM 2012; Dip: 60.404°; Mag Dec: 7.410°; Date: November 12, 2013; FS: 48543.2nT	NAD83 New Mexico State Plane, Eastern Zone, US Feet; Lat: N 32 33 53.887; Lon: W 103 32 26.120; Northing: 570175.70 ftUS; Easting: 785563.30 ftUS; Grid Conv: 0.427°; Scale Fact: 0.99997740	Slot: Perry 22 Federal 1H; TVD Ref: Ground Level(3655ft above MSL); Plan: Cimarex Energy Perry 22 Federal Rev1 TP 12-Nov-13





Critical Points

Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+) / S(-)	E(+) / W(-)	DLS
Tie-In	0.00	0.00	183.61	0.00	0.00	0.00	0.00	
KOP, Build 12° DLS	10598.00	0.00	183.61	10598.00	0.00	0.00	0.00	0.00
LP	11368.10	92.42	183.61	11075.00	497.58	-496.60	-31.33	12.00
Cimarex Energy Perry 22 Federal 1H - PBHL	15503.82	92.43	183.61	10900.00	4629.60	-4620.41	-291.51	0.00

PATHFINDER
A Schlumberger Company

Cimarex Energy Perry 22 Federal 1H Rev1 TP 12-Nov-13 Proposal Report

(Non-Def Plan)

Report Date:	November 12, 2013 - 10:13 AM	**Survey / DLS Computation:**	Minimum Curvature / Lubinski
Client:	Cimarex Energy	**Vertical Section Azimuth:**	183.610 ° (Grid North)
Field:	NM Lea County (NAD 83)	**Vertical Section Origin:**	0.000 ft, 0.000 ft
Structure / Slot:	Cimarex Perry 22 Federal 1H / Perry 22 Federal 1H	**TVD Reference Datum:**	Ground Level
Well:	Perry 22 Federal 1H	**TVD Reference Elevation:**	3655.000 ft above MSL
Borehole:	Original Borehole	**Seabed / Ground Elevation:**	3655.000 ft above MSL
UWI / API#:	Unknown / Unknown	**Magnetic Declination:**	7.410 °
Survey Name:	Cimarex Energy Perry 22 Federal 1H Rev1 TP 12-Nov-13	**Total Field Strength:**	48543.243 nT
Survey Date:	July 10, 2013	**Magnetic Dip Angle:**	60.404 °
Tort / AHD / DDI / ERD Ratio:	92.430 ° / 4629.600 ft / 5.777 / 0.418	**Declination Date:**	November 12, 2013
Coordinate Reference System:	NAD83 New Mexico State Plane, Eastern Zone, US Feet	**Magnetic Declination Model:**	BGGM 2012
Location Lat / Long:	N 32° 33' 53.88690", W 103° 32' 26.12048"	**North Reference:**	Grid North
Location Grid N/E Y/X:	N 570175.700 ftUS, E 785563.300 ftUS	**Grid Convergence Used:**	0.4267 °
CRS Grid Convergence Angle:	0.4267 °	**Total Corr Mag North->Grid North:**	6.9830 °
Grid Scale Factor:	0.9999774	**Local Coord Referenced To:**	Structure Reference Point

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")	Closure (ft)	Closure Azimuth (°)	DLS (°/100ft)
Tie-In	0.00	0.00	183.61	0.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	N/A
	100.00	0.00	183.61	100.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	200.00	0.00	183.61	200.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	300.00	0.00	183.61	300.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	400.00	0.00	183.61	400.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	500.00	0.00	183.61	500.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	600.00	0.00	183.61	600.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	700.00	0.00	183.61	700.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	800.00	0.00	183.61	800.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	900.00	0.00	183.61	900.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	1000.00	0.00	183.61	1000.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	1100.00	0.00	183.61	1100.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	1200.00	0.00	183.61	1200.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	1300.00	0.00	183.61	1300.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	1400.00	0.00	183.61	1400.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	1500.00	0.00	183.61	1500.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	1600.00	0.00	183.61	1600.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	1700.00	0.00	183.61	1700.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	1800.00	0.00	183.61	1800.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	1900.00	0.00	183.61	1900.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	2000.00	0.00	183.61	2000.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	2100.00	0.00	183.61	2100.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	2200.00	0.00	183.61	2200.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	2300.00	0.00	183.61	2300.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	2400.00	0.00	183.61	2400.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	2500.00	0.00	183.61	2500.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	2600.00	0.00	183.61	2600.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	2700.00	0.00	183.61	2700.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	2800.00	0.00	183.61	2800.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	2900.00	0.00	183.61	2900.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	3000.00	0.00	183.61	3000.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")	Closure (ft)	Closure Azimuth (°)	DLS (°/100ft)
	3100.00	0.00	183.61	3100.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	3200.00	0.00	183.61	3200.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	3300.00	0.00	183.61	3300.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	3400.00	0.00	183.61	3400.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	3500.00	0.00	183.61	3500.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	3600.00	0.00	183.61	3600.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	3700.00	0.00	183.61	3700.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	3800.00	0.00	183.61	3800.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	3900.00	0.00	183.61	3900.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	4000.00	0.00	183.61	4000.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	4100.00	0.00	183.61	4100.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	4200.00	0.00	183.61	4200.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	4300.00	0.00	183.61	4300.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	4400.00	0.00	183.61	4400.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	4500.00	0.00	183.61	4500.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	4600.00	0.00	183.61	4600.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	4700.00	0.00	183.61	4700.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	4800.00	0.00	183.61	4800.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	4900.00	0.00	183.61	4900.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	5000.00	0.00	183.61	5000.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	5100.00	0.00	183.61	5100.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	5200.00	0.00	183.61	5200.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	5300.00	0.00	183.61	5300.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	5400.00	0.00	183.61	5400.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	5500.00	0.00	183.61	5500.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	5600.00	0.00	183.61	5600.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	5700.00	0.00	183.61	5700.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	5800.00	0.00	183.61	5800.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	5900.00	0.00	183.61	5900.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	6000.00	0.00	183.61	6000.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	6100.00	0.00	183.61	6100.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	6200.00	0.00	183.61	6200.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	6300.00	0.00	183.61	6300.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	6400.00	0.00	183.61	6400.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	6500.00	0.00	183.61	6500.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	6600.00	0.00	183.61	6600.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	6700.00	0.00	183.61	6700.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	6800.00	0.00	183.61	6800.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	6900.00	0.00	183.61	6900.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	7000.00	0.00	183.61	7000.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	7100.00	0.00	183.61	7100.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	7200.00	0.00	183.61	7200.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	7300.00	0.00	183.61	7300.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	7400.00	0.00	183.61	7400.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	7500.00	0.00	183.61	7500.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	7600.00	0.00	183.61	7600.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	7700.00	0.00	183.61	7700.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	7800.00	0.00	183.61	7800.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	7900.00	0.00	183.61	7900.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	8000.00	0.00	183.61	8000.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	8100.00	0.00	183.61	8100.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	8200.00	0.00	183.61	8200.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	8300.00	0.00	183.61	8300.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	8400.00	0.00	183.61	8400.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	8500.00	0.00	183.61	8500.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")	Closure (ft)	Closure Azimuth (°)	DLS (°/100ft)
	8600.00	0.00	183.61	8600.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	8700.00	0.00	183.61	8700.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	8800.00	0.00	183.61	8800.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	8900.00	0.00	183.61	8900.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	9000.00	0.00	183.61	9000.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	9100.00	0.00	183.61	9100.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	9200.00	0.00	183.61	9200.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	9300.00	0.00	183.61	9300.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	9400.00	0.00	183.61	9400.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	9500.00	0.00	183.61	9500.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	9600.00	0.00	183.61	9600.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	9700.00	0.00	183.61	9700.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	9800.00	0.00	183.61	9800.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	9900.00	0.00	183.61	9900.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	10000.00	0.00	183.61	10000.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	10100.00	0.00	183.61	10100.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	10200.00	0.00	183.61	10200.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	10300.00	0.00	183.61	10300.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	10400.00	0.00	183.61	10400.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	10500.00	0.00	183.61	10500.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
KOP, Build 12° DLS	10598.00	0.00	183.61	10598.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	0.00	0.00
	10600.00	0.24	183.61	10600.00	0.00	0.00	0.00	570175.70	785563.30	N 32 33 53.89	W 103 32 26.12	0.00	183.61	12.00
	10700.00	12.24	183.61	10699.23	10.85	-10.83	-0.68	570164.87	785562.62	N 32 33 53.78	W 103 32 26.13	10.85	183.61	12.00
	10800.00	24.24	183.61	10794.03	42.10	-42.02	-2.65	570133.68	785560.65	N 32 33 53.47	W 103 32 26.16	42.10	183.61	12.00
	10900.00	36.24	183.61	10880.26	92.37	-92.19	-5.82	570083.51	785557.48	N 32 33 52.98	W 103 32 26.20	92.37	183.61	12.00
	11000.00	48.24	183.61	10954.15	159.48	-159.16	-10.04	570016.54	785553.26	N 32 33 52.31	W 103 32 26.25	159.48	183.61	12.00
	11100.00	60.24	183.61	11012.48	240.48	-240.01	-15.14	569935.70	785548.16	N 32 33 51.51	W 103 32 26.32	240.48	183.61	12.00
	11200.00	72.25	183.61	11052.69	331.84	-331.18	-20.89	569844.52	785542.41	N 32 33 50.61	W 103 32 26.39	331.84	183.61	12.00
	11300.00	84.25	183.61	11073.02	429.57	-428.72	-27.05	569747.00	785536.25	N 32 33 49.65	W 103 32 26.47	429.57	183.61	12.00
LP	11368.10	92.42	183.61	11075.00	497.58	-496.60	-31.33	569679.11	785531.97	N 32 33 48.98	W 103 32 26.53	497.58	183.61	12.00
	11400.00	92.42	183.61	11073.65	529.45	-528.40	-33.34	569647.31	785529.96	N 32 33 48.66	W 103 32 26.56	529.45	183.61	0.00
	11500.00	92.42	183.61	11069.43	629.36	-628.11	-39.63	569547.60	785523.67	N 32 33 47.68	W 103 32 26.64	629.36	183.61	0.00
	11600.00	92.42	183.61	11065.21	729.27	-727.83	-45.92	569447.89	785517.38	N 32 33 46.69	W 103 32 26.72	729.27	183.61	0.00
	11700.00	92.42	183.61	11060.98	829.19	-827.54	-52.21	569348.18	785511.09	N 32 33 45.70	W 103 32 26.80	829.19	183.61	0.00
	11800.00	92.42	183.61	11056.76	929.10	-927.25	-58.50	569248.47	785504.80	N 32 33 44.72	W 103 32 26.88	929.10	183.61	0.00
	11900.00	92.42	183.61	11052.53	1029.01	-1026.96	-64.79	569148.76	785498.51	N 32 33 43.73	W 103 32 26.97	1029.01	183.61	0.00
	12000.00	92.42	183.61	11048.31	1128.92	-1126.68	-71.08	569049.05	785492.22	N 32 33 42.74	W 103 32 27.05	1128.92	183.61	0.00
	12100.00	92.42	183.61	11044.08	1228.83	-1226.39	-77.37	568949.34	785485.93	N 32 33 41.76	W 103 32 27.13	1228.83	183.61	0.00
	12200.00	92.42	183.61	11039.86	1328.74	-1326.10	-83.66	568849.63	785479.64	N 32 33 40.77	W 103 32 27.21	1328.74	183.61	0.00
	12300.00	92.42	183.61	11035.63	1428.65	-1425.81	-89.95	568749.92	785473.35	N 32 33 39.79	W 103 32 27.30	1428.65	183.61	0.00
	12400.00	92.42	183.61	11031.41	1528.56	-1525.53	-96.25	568650.21	785467.06	N 32 33 38.80	W 103 32 27.38	1528.56	183.61	0.00
	12500.00	92.42	183.61	11027.18	1628.47	-1625.24	-102.54	568550.50	785460.77	N 32 33 37.81	W 103 32 27.46	1628.47	183.61	0.00
	12600.00	92.42	183.61	11022.95	1728.38	-1724.95	-108.83	568450.79	785454.48	N 32 33 36.83	W 103 32 27.54	1728.38	183.61	0.00
	12700.00	92.42	183.61	11018.72	1828.29	-1824.66	-115.12	568351.08	785448.18	N 32 33 35.84	W 103 32 27.62	1828.29	183.61	0.00
	12800.00	92.42	183.61	11014.49	1928.20	-1924.38	-121.41	568251.37	785441.89	N 32 33 34.86	W 103 32 27.71	1928.20	183.61	0.00
	12900.00	92.42	183.61	11010.27	2028.11	-2024.09	-127.70	568151.66	785435.60	N 32 33 33.87	W 103 32 27.79	2028.11	183.61	0.00
	13000.00	92.42	183.61	11006.04	2128.02	-2123.80	-133.99	568051.95	785429.31	N 32 33 32.88	W 103 32 27.87	2128.02	183.61	0.00
	13100.00	92.42	183.61	11001.81	2227.93	-2223.51	-140.28	567952.24	785423.02	N 32 33 31.90	W 103 32 27.95	2227.93	183.61	0.00
	13200.00	92.42	183.61	10997.58	2327.84	-2323.23	-146.57	567852.53	785416.73	N 32 33 30.91	W 103 32 28.04	2327.84	183.61	0.00
	13300.00	92.42	183.61	10993.35	2427.75	-2422.94	-152.86	567752.82	785410.44	N 32 33 29.92	W 103 32 28.12	2427.75	183.61	0.00
	13400.00	92.43	183.61	10989.11	2527.67	-2522.65	-159.16	567653.11	785404.15	N 32 33 28.94	W 103 32 28.20	2527.67	183.61	0.00
	13500.00	92.43	183.61	10984.88	2627.58	-2622.36	-165.45	567553.40	785397.86	N 32 33 27.95	W 103 32 28.28	2627.58	183.61	0.00
	13600.00	92.43	183.61	10980.65	2727.49	-2722.07	-171.74	567453.69	785391.57	N 32 33 26.97	W 103 32 28.36	2727.49	183.61	0.00
	13700.00	92.43	183.61	10976.42	2827.40	-2821.79	-178.03	567353.98	785385.28	N 32 33 25.98	W 103 32 28.45	2827.40	183.61	0.00

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")	Closure (ft)	Closure Azimuth (°)	DLS (°/100ft)
	13800.00	92.43	183.61	10972.19	2927.31	-2921.50	-184.32	567254.27	785378.99	N 32 33 24.99	W 103 32 28.53	2927.31	183.61	0.00
	13900.00	92.43	183.61	10967.95	3027.22	-3021.21	-190.61	567154.56	785372.69	N 32 33 24.01	W 103 32 28.61	3027.22	183.61	0.00
	14000.00	92.43	183.61	10963.72	3127.13	-3120.92	-196.90	567054.85	785366.40	N 32 33 23.02	W 103 32 28.69	3127.13	183.61	0.00
	14100.00	92.43	183.61	10959.49	3227.04	-3220.63	-203.19	566955.14	785360.11	N 32 33 22.04	W 103 32 28.77	3227.04	183.61	0.00
	14200.00	92.43	183.61	10955.25	3326.95	-3320.35	-209.48	566855.44	785353.82	N 32 33 21.05	W 103 32 28.86	3326.95	183.61	0.00
	14300.00	92.43	183.61	10951.02	3426.86	-3420.06	-215.77	566755.73	785347.53	N 32 33 20.06	W 103 32 28.94	3426.86	183.61	0.00
	14400.00	92.43	183.61	10946.78	3526.77	-3519.77	-222.07	566656.02	785341.24	N 32 33 19.08	W 103 32 29.02	3526.77	183.61	0.00
	14500.00	92.43	183.61	10942.54	3626.68	-3619.48	-228.36	566556.31	785334.95	N 32 33 18.09	W 103 32 29.10	3626.68	183.61	0.00
	14600.00	92.43	183.61	10938.31	3726.59	-3719.19	-234.65	566456.60	785328.66	N 32 33 17.11	W 103 32 29.19	3726.59	183.61	0.00
	14700.00	92.43	183.61	10934.07	3826.50	-3818.91	-240.94	566356.89	785322.37	N 32 33 16.12	W 103 32 29.27	3826.50	183.61	0.00
	14800.00	92.43	183.61	10929.83	3926.41	-3918.62	-247.23	566257.18	785316.08	N 32 33 15.13	W 103 32 29.35	3926.41	183.61	0.00
	14900.00	92.43	183.61	10925.60	4026.32	-4018.33	-253.52	566157.47	785309.79	N 32 33 14.15	W 103 32 29.43	4026.32	183.61	0.00
	15000.00	92.43	183.61	10921.36	4126.23	-4118.04	-259.81	566057.76	785303.50	N 32 33 13.16	W 103 32 29.51	4126.23	183.61	0.00
	15100.00	92.43	183.61	10917.12	4226.14	-4217.75	-266.10	565958.05	785297.20	N 32 33 12.17	W 103 32 29.60	4226.14	183.61	0.00
	15200.00	92.43	183.61	10912.88	4326.05	-4317.47	-272.39	565858.34	785290.91	N 32 33 11.19	W 103 32 29.68	4326.05	183.61	0.00
	15300.00	92.43	183.61	10908.64	4425.96	-4417.18	-278.68	565758.63	785284.62	N 32 33 10.20	W 103 32 29.76	4425.96	183.61	0.00
	15400.00	92.43	183.61	10904.40	4525.87	-4516.89	-284.98	565658.92	785278.33	N 32 33 9.22	W 103 32 29.84	4525.87	183.61	0.00
	15500.00	92.43	183.61	10900.16	4625.78	-4616.60	-291.27	565559.21	785272.04	N 32 33 8.23	W 103 32 29.92	4625.78	183.61	0.00
Cimarex Energy Perry 22 Federal 1H - PBHL	15503.82	92.43	183.61	10900.00	4629.60	-4620.41	-291.51	565555.40	785271.80	N 32 33 8.19	W 103 32 29.93	4629.60	183.61	0.00

Survey Type: Non-Def Plan

Survey Error Model: ISCWSA Rev 0 *** 3-D 95.000% Confidence 2.7955 sigma

Survey Program:

Description	MD From (ft)	MD To (ft)	EOU Freq (ft)		Hole Size (in)	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	0.000	10598.000		1/100.000	30.000	30.000	SLB_NSG+MSHOT	Original Borehole / Cimarex Energy Perry 22 Federal 1H Rev1
	10598.000	15503.823		1/100.000	30.000	30.000	SLB_MWD-STD	Original Borehole / Cimarex Energy Perry 22 Federal 1H Rev1

Drilling 12-1/4" hole
below 13 3/8" Casing

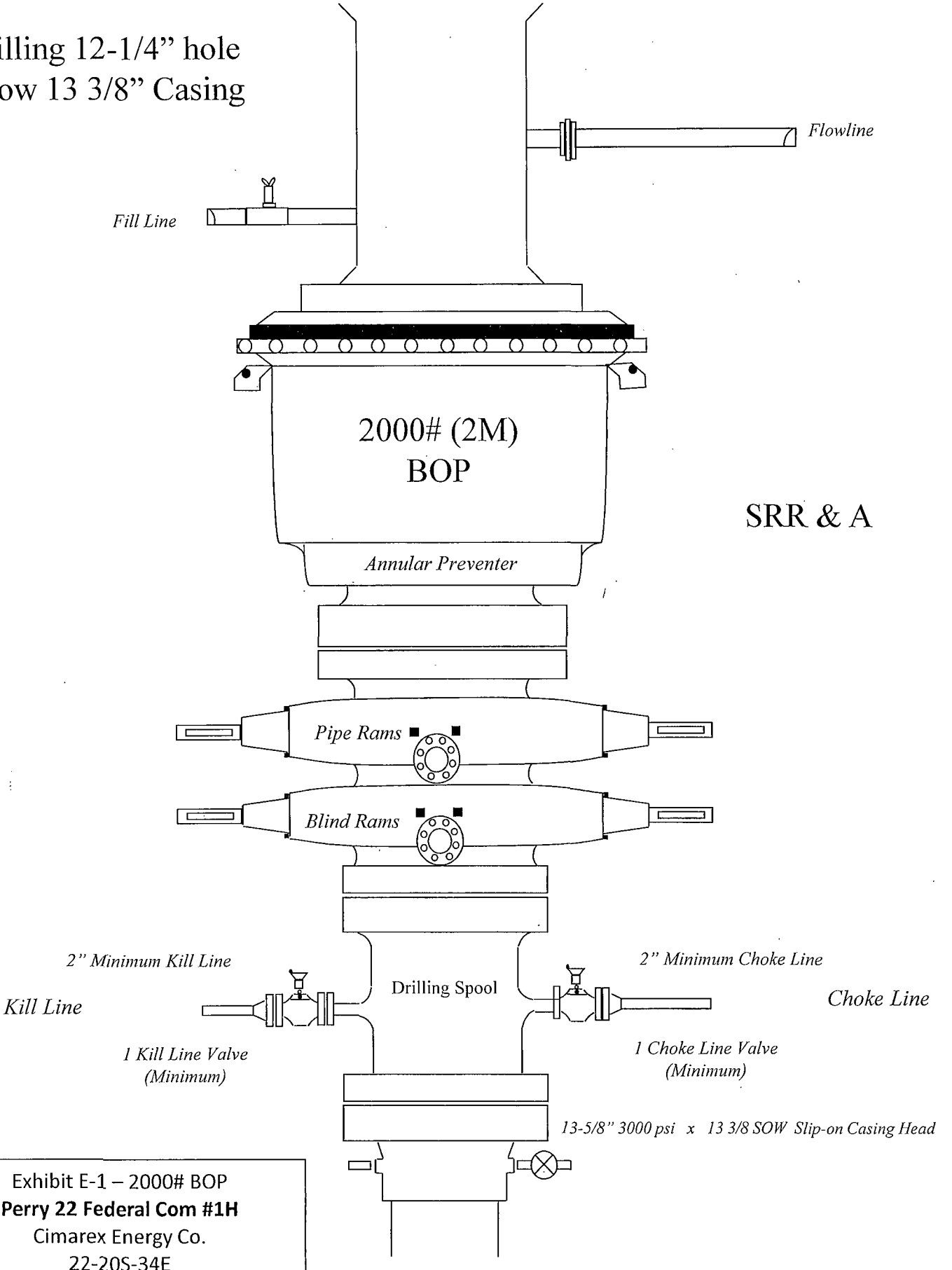
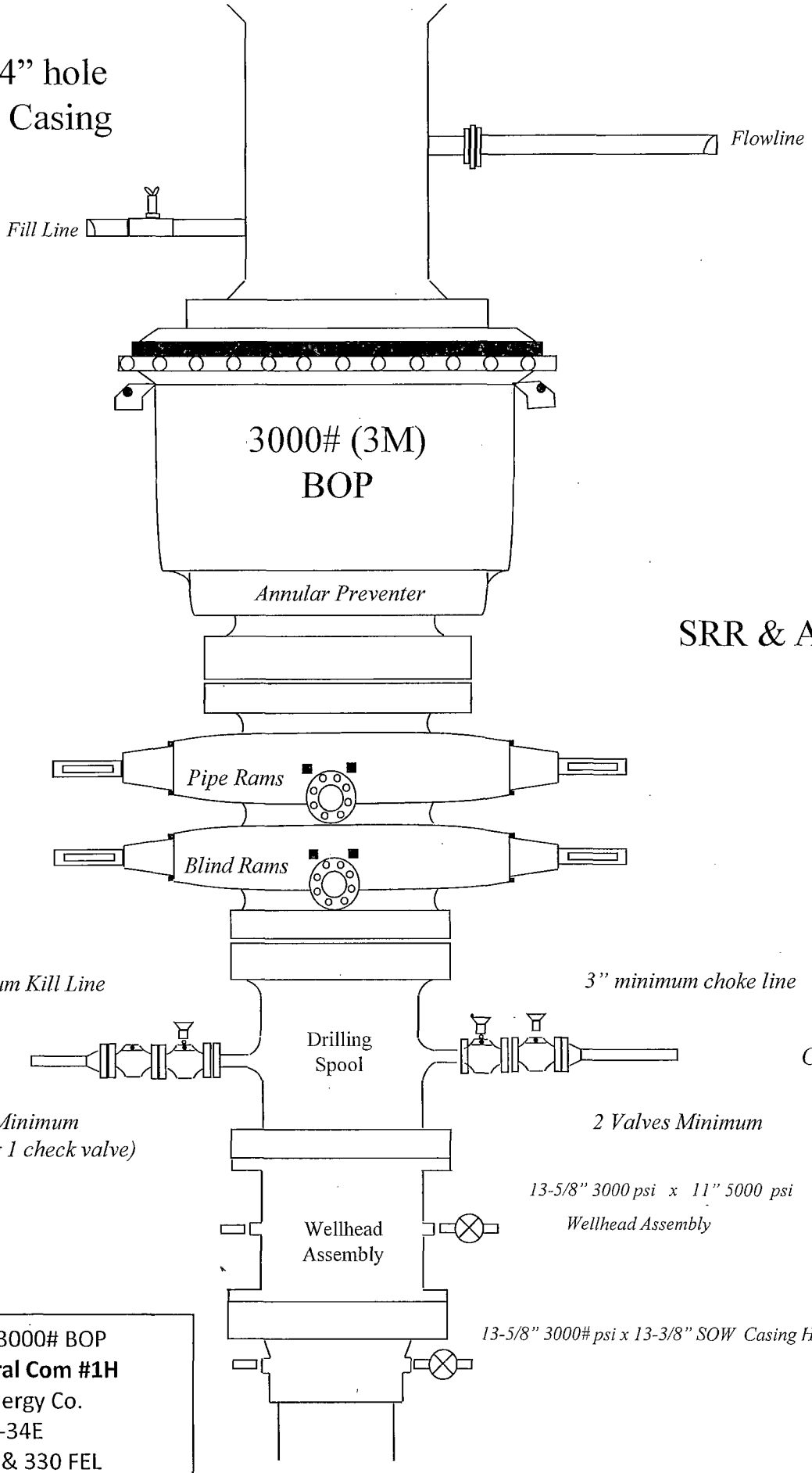


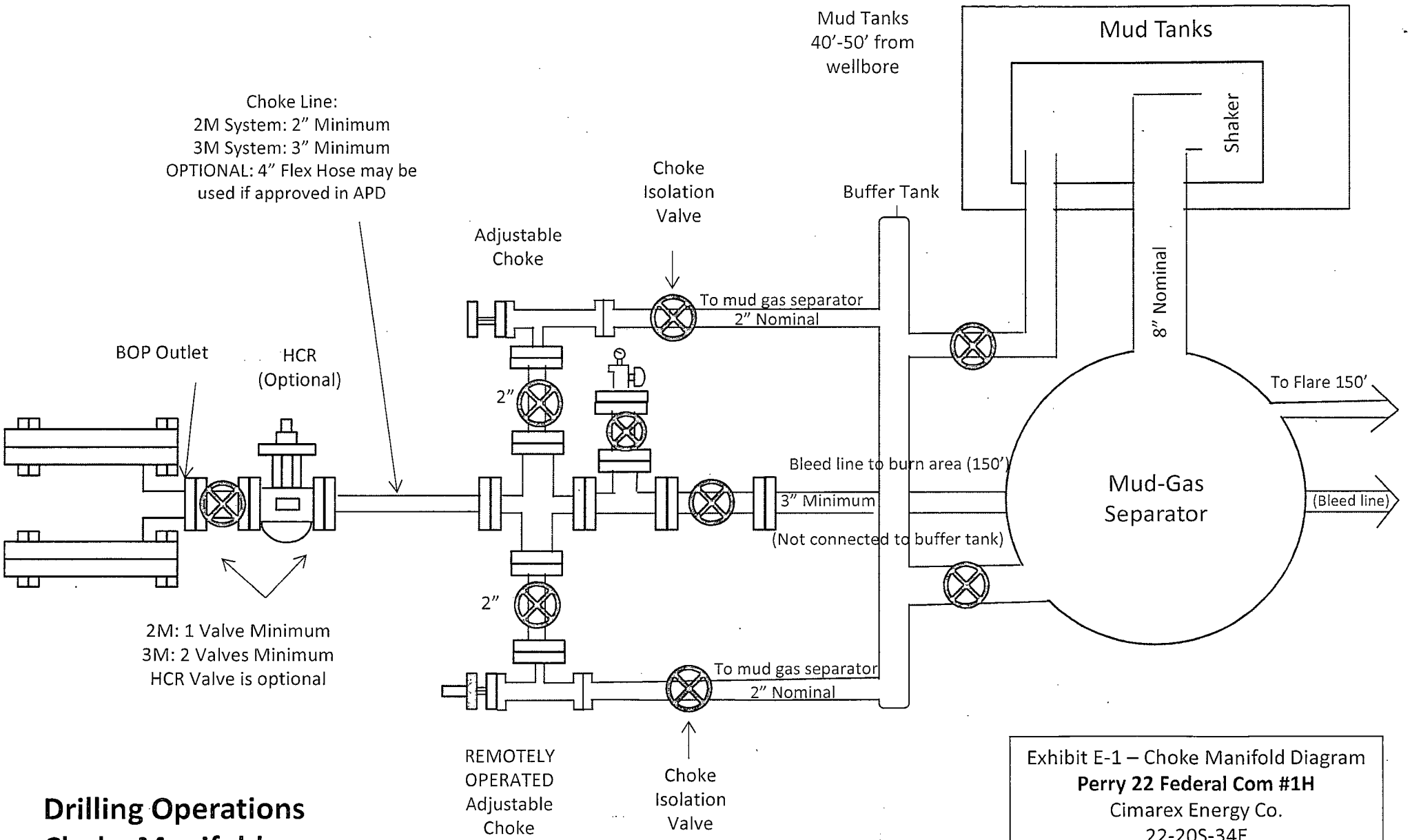
Exhibit E-1 – 2000# BOP
Perry 22 Federal Com #1H
Cimarex Energy Co.
22-20S-34E
SHL 335 FNL & 330 FEL
BHL 330 FSL & 660 FEL
Lea County, NM

Drilling 8-3/4" hole
below 9 5/8" Casing



SRR & A

Exhibit E-1 – 3000# BOP
Perry 22 Federal Com #1H
Cimarex Energy Co.
22-20S-34E
SHL 335 FNL & 330 FEL
BHL 330 FSL & 660 FEL
Lea County, NM



Drilling Operations
Choke Manifold
2M/3M Service

Exhibit E-1 – Choke Manifold Diagram
Perry 22 Federal Com #1H
Cimarex Energy Co.
22-20S-34E
SHL 335 FNL & 330 FEL
BHL 330 FSL & 660 FEL
Lea County, NM

Exhibit F-1 – Co-Flex Hose Hydrostatic Test
Perry 22 Federal Com #1H
Cimarex Energy Co.
22-20S-34E
SHL 335 FNL & 330 FEL
BHL 330 FSL & 660 FEL
Lea County, NM

Midwest Hose & Specialty, Inc.

INTERNAL HYDROSTATIC TEST REPORT

Customer: Oderco Inc	**P.O. Number:** odyd-271

HOSE SPECIFICATIONS

Type: Stainless Steel Armor Choke & Kill Hose	**Hose Length:** 45'ft.
I.D. 4 *INCHES*	**O.D.** 9 *INCHES*

WORKING PRESSURE	TEST PRESSURE	BURST PRESSURE
10,000 *PSI*	15,000 *PSI*	0 *PSI*

COUPLINGS

Stem Part No.	Ferrule No.
OKC OKC	OKC OKC
Type of Coupling: Swage-It	

PROCEDURE

Hose assembly pressure tested with water at ambient temperature.

TIME HELD AT TEST PRESSURE	ACTUAL BURST PRESSURE:
15 *MIN.*	0 *PSI*
Hose Assembly Serial Number: 79793	**Hose Serial Number:** OKC
Comments:	

Date:	Tested:	Approved:
3/8/2011	A. Jesus Jaime	

Midwest Hose & Specialty, Inc.

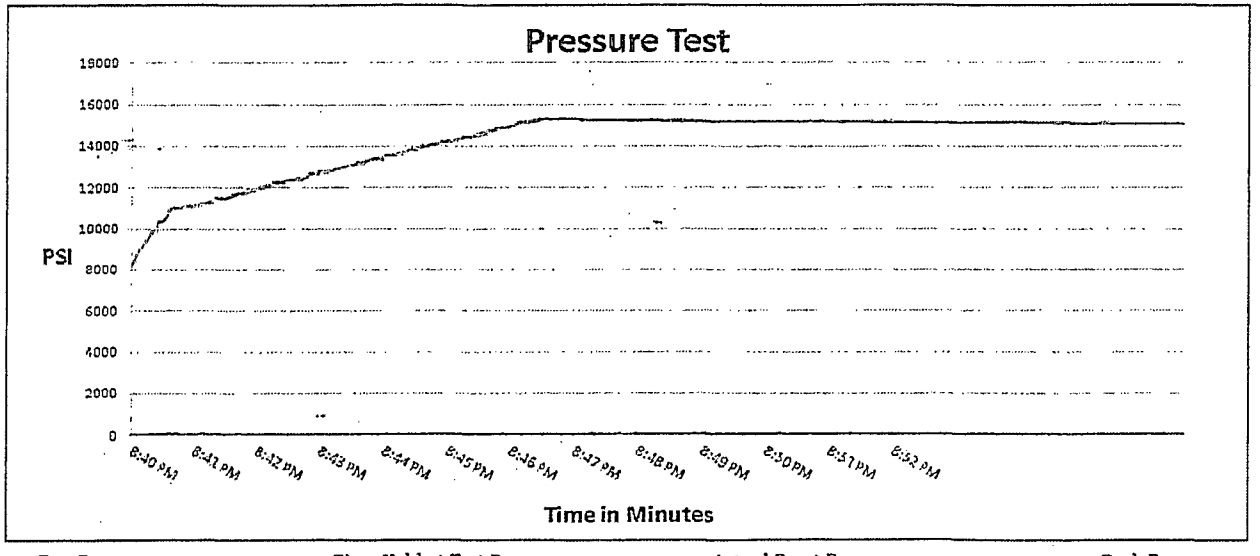
Internal Hydrostatic Test Graph

March 3, 2011

Customer: Houston

Pick Ticket #: 94260

Hose Specifications		Verification	
Hose Type	Length	Type of Fitting	Coupling Method
C & K	45'	4 1/16 10K	Swage
I.D.	O.D.	Die Size	Final O.D.
4"	6.09"	6.38"	6.25"
Working Pressure	Burst Pressure	Hose Serial #	Hose Assembly Serial #
10000 PSI	Standard Safety Multiplier Applies	5544	79793



Test Pressure	Time Held at Test Pressure	Actual Burst Pressure	Peak Pressure
15000 PSI	11 Minutes		15483 PSI

Comments: Hose assembly pressure tested with water at ambient temperature.

Tested By: *Zac Mcconnell*

Approved By: *Kim Thomas*

Exhibit F-1 – Co-Flex Hose Hydrostatic Test
Perry 22 Federal Com #1H
Cimarex Energy Co.
22-20S-34E
SHL 335 FNL & 330 FEL
BHL 330 FSL & 660 FEL
Lea County, NM

Midwest Hose & Specialty, Inc.

Exhibit F -3– Co-Flex Hose
Perry 22 Federal Com #1H
Cimarex Energy Co.
22-20S-34E
SHL 335 FNL & 330 FEL
BHL 330 FSL & 660 FEL
Lea County, NM

Specification Sheet
Choke & Kill Hose

The Midwest Hose & Specialty Choke & Kill hose is manufactured with only premium componets.The reinforcement cables, inner liner and cover are made of the highest quality material to handle the tough drilling applications of today's industry. The end connections are available with API flanges, API male threads, hubs, hammer unions or other special fittings upon request. Hose assembly is manufactured to API 7K. This assembly is wrapped with fire resistant vermculite coated fiberglass insulation, rated at 2000 degrees with stainless steel armor cover.

Working Pressure:	5,000 or 10,000 psi working pressure
Test Pressure:	10,000 or 15,000 psi test pressure
Reinforcement:	Multiple steel cables
Cover:	Stainless Steel Armor
Inner Tube:	Petroleum resistant, Abrasion resistant
End Fitting:	API flanges, API male threads, threaded or butt weld hammer unions, unibolt and other special connections
Maximum Length:	110 Feet
ID:	2-1/2", 3", 3-1/2", 4"
Operating Temperature:	-22 deg F to +180 deg F (-30 deg C to +82 deg C)

P.O. Box 96558 – 1421 S.E. 29th St. Oklahoma City, OK 73143 * (405) 670-6718 * Fax: (405) 670-6816

Exhibit F-2 – Co-Flex Hose
Perry 22 Federal Com #1H
Cimarex Energy Co.
22-20S-34E
SHL 335 FNL & 330 FEL
BHL 330 FSL & 660 FEL
Lea County, NM

Midwest Hose
& Specialty, Inc.

Certificate of Conformity

Customer: DEM	PO ODYD-271

SPECIFICATIONS

Sales Order 79793	Dated: 3/8/2011

We hereby cerify that the material supplied for the referenced purchase order to be true according to the requirements of the purchase order and current industry standards

Supplier:
Midwest Hose & Specialty, Inc.
10640 Tanner Road
Houston, Texas 77041

Comments:

Approved:	Date: 3/8/2011

Exhibit F – Co-Flex Hose

Perry 22 Federal Com #1H

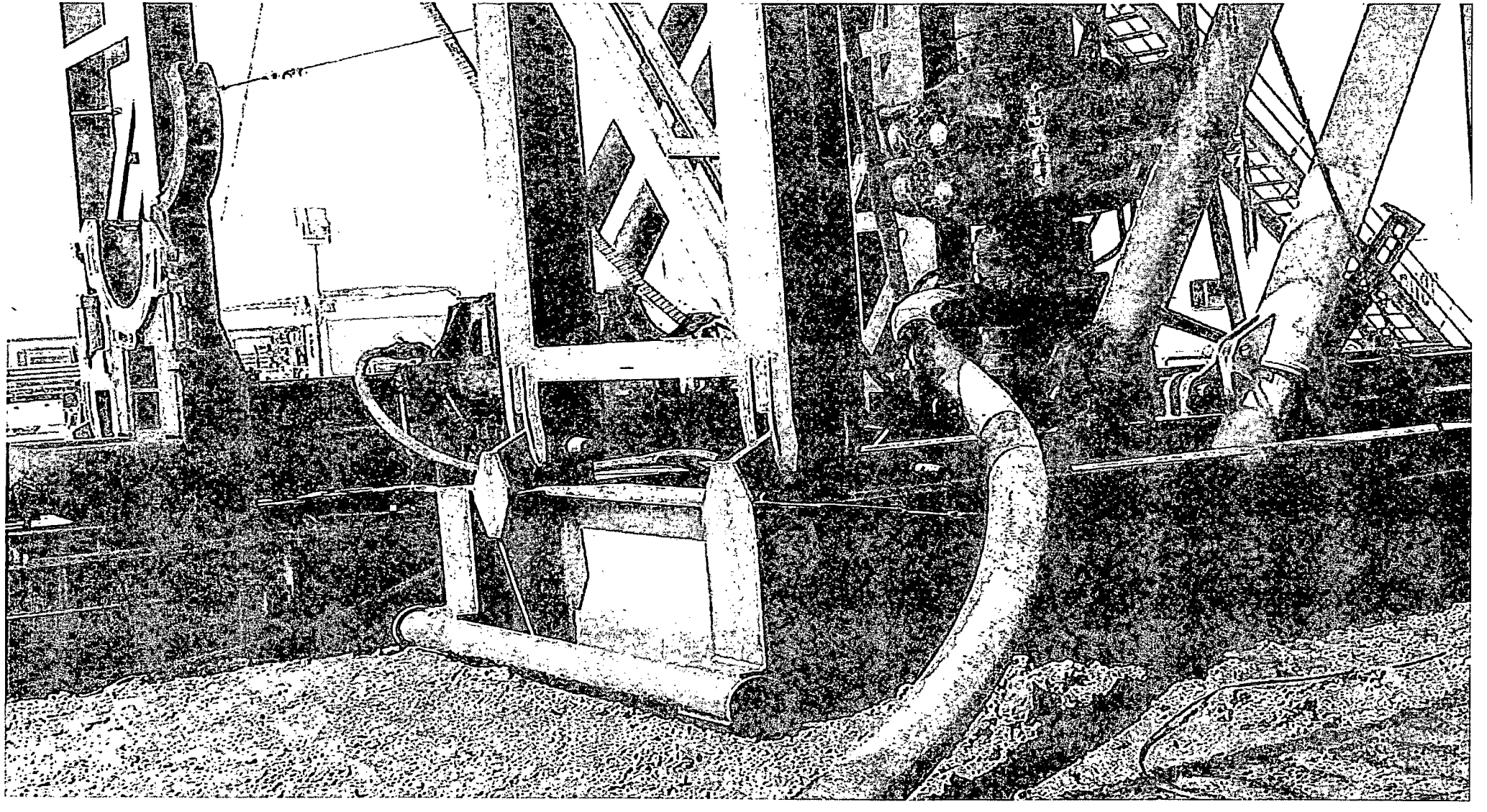
Cimarex Energy Co.

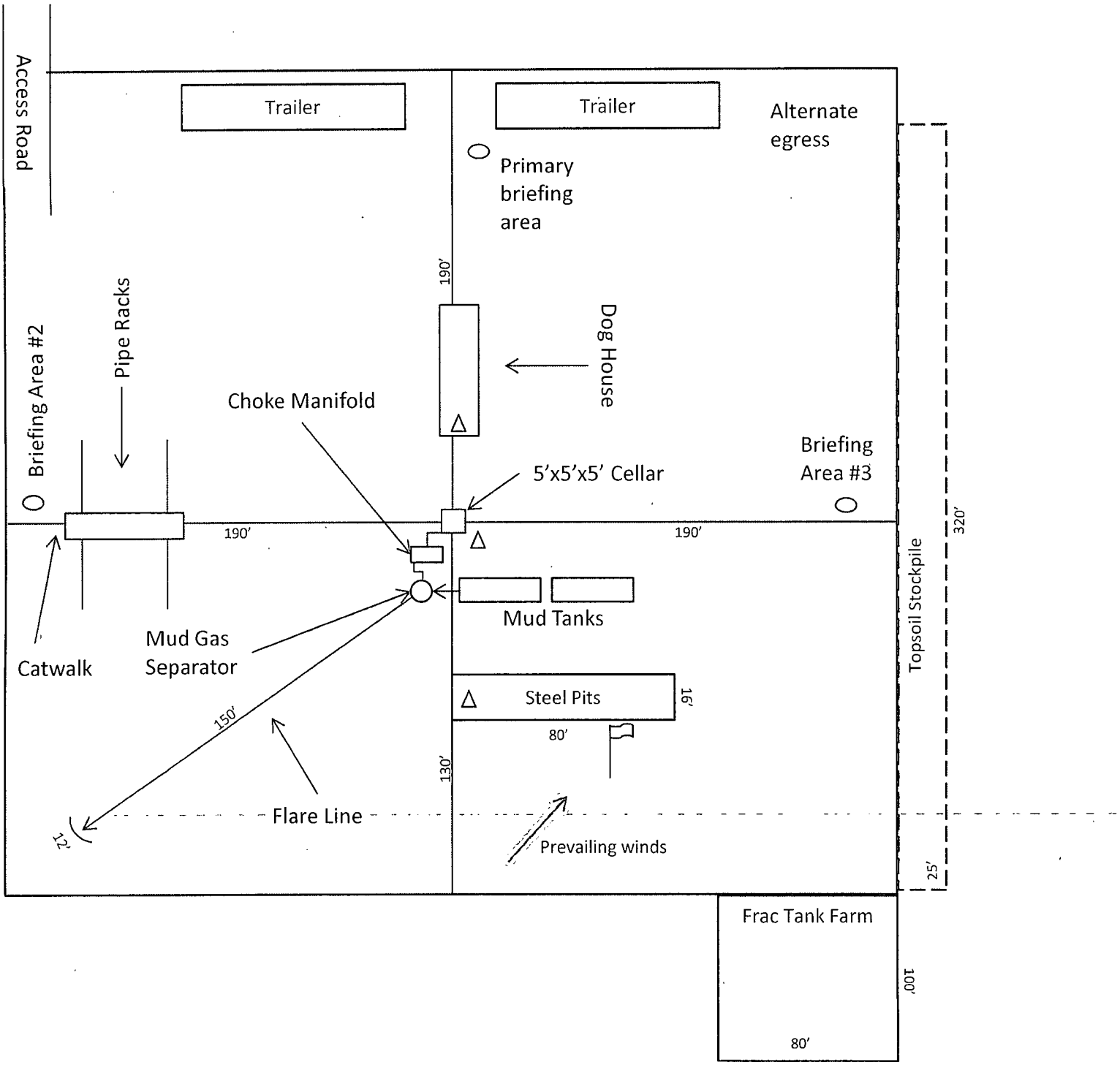
22-20S-34E

SHL 335 FNL & 330 FEL

BHL 330 FSL & 660 FEL

Lea County, NM





Wind Direction Indicators (wind sock or streamers)

△ • H2S Monitors (alarms at bell nipple and shale shaker)

Briefing Areas

N

Exhibit D – Rig Diagram
Perry 22 Federal Com #1H
Cimarex Energy Co.
22-20S-34E
SHL 335 FNL & 330 FEL
BHL 330 FSL & 660 FEL
Lea County, NM