

14-486

OCD Hobbs

Form 3160-3
(March 2012)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires October 31, 2014

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work ☒ DRILL ☐ REENTER		7. If Unit or CA Agreement, Name and No. NM71019X	
1b. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone		8. Lease Name and Well No. 300544 Red Hills Unit 19H	
2. Name of Operator Cimarex Energy Co. OF COLORADO 162683		9. API Well No. 30025 42326	
3a. Address 600 N. Marienfield St. Ste. 600 Midland Tx 79071		3b. Phone No. (include area code) 432-571-7800	
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At Surface 330' FNL & 1765' FEL At proposed prod. Zone 330' FSL & 2200' FEL <i>Bone Spring</i>		10. Field and Pool, or Exploratory Wildcat Bone Spring 97994	
14. Distance in miles and direction from nearest town or post office* Approx 14 miles SW of Jal, NM		11. Sec., T. R. M. or Blk. and Survey and Area 33, 25S, 33E	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line if any) 330		16. No of acres in lease NM05792=680.00 acres	
17. Spacing Unit dedicated to this well 160.00		18. Distance from proposed* location to nearest well, drilling, completed, applied for, on this lease, ft. 30	
19. Proposed Depth Pilot Hole TD: N/A 14,305 MD 9,875 TVD		20. BLM/BIA Bond No. on File NM2575; NMB000835	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3350 GR		22. Approximate date work will start* 2/1/13	
23. Estimated duration 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 | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan | 5. Operator Certification |
| 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). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature Paula Brunson	Name (Printed/Typed) Paula Brunson	Date 1/31/14
Title		
Approved By (Signature) Steve Caffey	Name (Printed/Typed)	Date DEC 1 2014
Title FIELD MANAGER	Office CARLSBAD FIELD 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)

Carlsbad Controlled Water Basin

Approval Subject to General Requirements
& Special Stipulations AttachedSEE ATTACHED FOR
CONDITIONS OF APPROVAL
DEC 10 2014

Application to Drill
Red Hills Unit 19H
 Cimarex Energy Co.
 UL: B, Sec. 33, 25S, 33E
 LEA Co., NM

In response to questions asked under Section II B of Bulletin NTL-6, the following information is provided for your consideration:

1. **Location:** SHL 330' FNL& 1765' FEL
 BHL 330' FSL & 2200' FEL
2. **Elevation Above Sea Level:** 3,350' GR
3. **Geologic Name of Surface Formation:** Quaternary 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:** 14,305 MD 9,875 TVD Pilot Hole TD: N/A
6. **Estimated Tops of Geological Markers:**

Formation	Est Top	Bearing
Rustler		975 N/A
Salt		1170 N/A
Castille		3285 N/A
Lamar		4900 N/A
Bell Canyon		4945 N/A
Cherry Canyon		6190 N/A
Brushy Canyon		7485 N/A
Bone Spring		9045 Hydrocarbons
U. Avalon (Leonard)		9130 Hydrocarbons
L. Avalon		9775 Hydrocarbons
1st BSS		10000 N/A

7. **Possible Mineral Bearing Formation:** Shown above

7A. **OSE Ground Water Estimated Depth:** 180'

8. **Casing Program:**

Name	Casing Depth From (ft)	Casing Setting Depth (ft) MD	Casing Setting Depth (ft) TVD	Open Hole Size (inches)	Casing Size (inches)	Casing Weight (lb/ft)	Casing Grade	Thread	Condition	BHP (psig)	Anticipated Mud Weight (ppg)	Collapse SF at Full Evacuation(1.125)	Collapse SF at 1/3 Evacuation(1.125)	Burst SF (1.125)	Cumulative Air Weight	Cumulative Bouyed Weight (lbs)	Bouyant Tension SF (1.8)
Surface	0	1000	1000	17 1/2	13-3/8"	48.00	H-40	ST&C	New	431	8.3	1.71		4.01	48,000	41,918	7.68
Intermediate	0	4920	4920	12 1/4	9-5/8"	40.00	J-55	LT&C	New	2558	10.0		1.50	1.54	196,800	166,754	3.12
Production	0	9398	9398	8 3/4	5-1/2"	17.00	L-80	LT&C	New	4398	9.0	1.43		1.76	167,875	144,808	2.33
Production	9398	14305	9875	8 3/4	5-1/2"	17.00	L-80	BT&C	New	4621	9.0	1.36		1.67	8,109	6,995	56.76

Note: Operator may drill a 8-1/2" OH from end of curve to TD of the well. This is to reduce the need to ream the conventionally drilled curve to run a RSS assembly into the lateral.

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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 Completion System	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	417	1.75	13.50	729	Class C + Bentonite + Calcium Chloride + LCM, 8.829 gps water
	Tail	195	1.34	14.80	260	Class C + LCM, 6.32 gps water
	TOC: 0		43% Excess			Centralizers per Onshore Order 2.III.B.1f
Intermediate	Lead	901	1.88	12.90	1693	35:65 (poz/C) + Salt + Bentonite + LCM + retarder, 9.65 gps water
	Tail	288	1.34	14.80	385	Class C + retarder + LCM, 6.32 gps water
	TOC: 0		44% Excess			
Production	Lead	545	2.40	11.90	1307	35:65 (poz/H) + salt + Sodium Metasilicate + Bentonite + Fluid Loss + Dispersant + LCM + Retarder, 13.80 gps water
	Tail	1213	1.24	14.50	1503	50:50 (poz/H) + Bentonite + Salt + Fluid Loss + Dispersant + LCM + Retarder, 5.55 gps water
	TOC: 4720		16% 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.

Cement volumes will be adjusted depending on hole size

9a. Proposed Drilling Plan:

Pilot Hole TD: No Pilot KOP: 9,398' EOC: 10,148'

Set Surface and Intermediate casing strings. Drill production hole to KOP. Continue drilling lateral through the curve to TD. Run prod casing & cement.

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.

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.

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11. Proposed Mud Circulating System:

Depth	Mud Weight	Visc	Fluid Loss	Type Mud
0' to 1000'	7.80 - 8.30	28	NC	FW Spud Mud
1000' to 4920'	9.50 - 10.00	30-32	NC	Brine Water
4920' to 14305'	8.50 - 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 4920 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:

No abnormal pressures or temperatures are expected. In accordance with Onshore Order 6, Cimarex does not anticipate that there will be enough H₂S from the surface to the Bone Spring formations to meet the BLM's minimum requirements for the submission of an "H₂S Drilling Operation Plan" or "Public Protection Plan" for the drilling and completion of this well. Since we have an H₂S Safety package on all wells, attached is an "H₂S 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: 4444 psi

Estimated BHT: 159°

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.

U. Avalon (Leonard) pay will be perforated and stimulated.

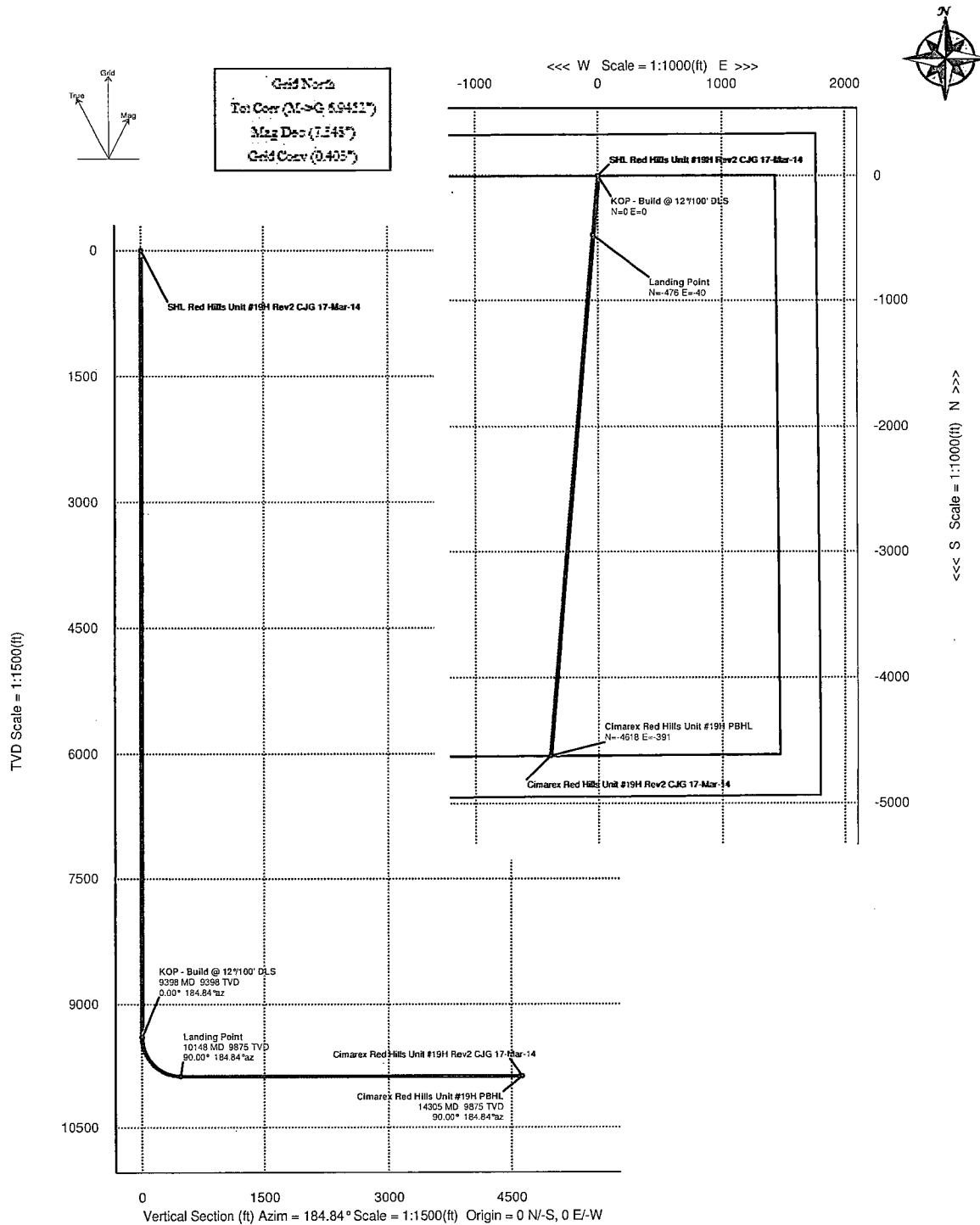
The proposed well will be tested and potentialized as **Oil**



Cimarex

PATHFINDER
A Schlumberger Company

WELL	Red Hills Unit #19H		FIELD	NM Lea County		STRUCTURE	TBD	
Magnetic Parameters	Model: SGGM 2013	Dir: 69.961°	Date: March 17, 2014	Surface Location	Lat: N 32 53.155 Lon: W 103 34 28.023	NAD83 New Mexico State Plane, Eastern Zone, US Feet	Grid Convr: 0.403°	Scale Fact: 0.99997235
	Mag Dec: 7.345°	FS: 43242.2mT					Red Hills Unit #19H	TVD Ref: Ground Level (3550ft above MSL)
							Cimarex Red Hills Unit #19H Rev2 CJG 17-Mar-14	



Critical Points

Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)/S(-)	E(+)/W(-)	DLS
SHL Red Hills Unit #19H	0.00	0.00	184.84	0.00	0.00	0.00	0.00	
KOP - Build @ 12°/100' DLS	9397.54	0.00	184.84	9397.54	0.00	0.00	0.00	0.00
Landing Point	10147.54	90.00	184.84	9875.00	477.46	-475.76	-40.30	12.00
Cimarex Red Hills Unit #19H PBHL	14305.05	90.00	184.84	9875.00	4634.98	-4618.44	-391.21	0.00



Cimarex Red Hills Unit #19H Rev2 CJG 17-Mar-14 Proposal Geodetic Report

(Non-Def Plan)

Report Date: March 17, 2014 - 11:05 AM
Client: Cimarex
Field: NM Lea County (NAD 83)
Structure / Slot: Cimarex Red Hills Unit #19H / Red Hills Unit #19H
Well: Red Hills Unit #19H
Borehole: Original Borehole
UWI / API#: Unknown / Unknown
Survey Name: Cimarex Red Hills Unit #19H Rev2 CJG 17-Mar-14
Survey Date: March 17, 2014
Tort / AHD / DDI / ERD Ratio: 90.000 ° / 4634.976 ft / 5.781 / 0.469
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 5' 36.15453", W 103° 34' 28.02315"
Location Grid N/E Y/X: N 398534.000 ftUS, E 776346.300 ftUS
CRS Grid Convergence Angle: 0.4032 °
Grid Scale Factor: 0.99997235

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 184.842 ° (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: Ground Level
TVD Reference Elevation: 3350.000 ft above MSL
Seabed / Ground Elevation: 3350.000 ft above MSL
Magnetic Declination: 7.348 °
Total Gravity Field Strength: 998.4816mgn (9.80665 Based)
Total Magnetic Field Strength: 48242.191 nT
Magnetic Dip Angle: 59.981 °
Declination Date: March 17, 2014
Magnetic Declination Model: BGGM 2013
North Reference: Grid North
Grid Convergence Used: 0.4032 °
Total Corr Mag North->Grid North: 6.9452 °

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)
SHL Red Hills Unit #19H	0.00	0.00	184.84	0.00	0.00	0.00	0.00	398534.00	776346.30	N 32 5 36.15	W 103 34 28.02	0.00	0.00	N/A
	100.00	0.00	184.84	100.00	0.00	0.00	0.00	398534.00	776346.30	N 32 5 36.15	W 103 34 28.02	0.00	0.00	0.00
	200.00	0.00	184.84	200.00	0.00	0.00	0.00	398534.00	776346.30	N 32 5 36.15	W 103 34 28.02	0.00	0.00	0.00
	300.00	0.00	184.84	300.00	0.00	0.00	0.00	398534.00	776346.30	N 32 5 36.15	W 103 34 28.02	0.00	0.00	0.00
	400.00	0.00	184.84	400.00	0.00	0.00	0.00	398534.00	776346.30	N 32 5 36.15	W 103 34 28.02	0.00	0.00	0.00
	500.00	0.00	184.84	500.00	0.00	0.00	0.00	398534.00	776346.30	N 32 5 36.15	W 103 34 28.02	0.00	0.00	0.00
	600.00	0.00	184.84	600.00	0.00	0.00	0.00	398534.00	776346.30	N 32 5 36.15	W 103 34 28.02	0.00	0.00	0.00
	700.00	0.00	184.84	700.00	0.00	0.00	0.00	398534.00	776346.30	N 32 5 36.15	W 103 34 28.02	0.00	0.00	0.00
	800.00	0.00	184.84	800.00	0.00	0.00	0.00	398534.00	776346.30	N 32 5 36.15	W 103 34 28.02	0.00	0.00	0.00
	900.00	0.00	184.84	900.00	0.00	0.00	0.00	398534.00	776346.30	N 32 5 36.15	W 103 34 28.02	0.00	0.00	0.00
	1000.00	0.00	184.84	1000.00	0.00	0.00	0.00	398534.00	776346.30	N 32 5 36.15	W 103 34 28.02	0.00	0.00	0.00
	1100.00	0.00	184.84	1100.00	0.00	0.00	0.00	398534.00	776346.30	N 32 5 36.15	W 103 34 28.02	0.00	0.00	0.00
	1200.00	0.00	184.84	1200.00	0.00	0.00	0.00	398534.00	776346.30	N 32 5 36.15	W 103 34 28.02	0.00	0.00	0.00
	1300.00	0.00	184.84	1300.00	0.00	0.00	0.00	398534.00	776346.30	N 32 5 36.15	W 103 34 28.02	0.00	0.00	0.00
	1400.00	0.00	184.84	1400.00	0.00	0.00	0.00	398534.00	776346.30	N 32 5 36.15	W 103 34 28.02	0.00	0.00	0.00
	1500.00	0.00	184.84	1500.00	0.00	0.00	0.00	398534.00	776346.30	N 32 5 36.15	W 103 34 28.02	0.00	0.00	0.00
	1600.00	0.00	184.84	1600.00	0.00	0.00	0.00	398534.00	776346.30	N 32 5 36.15	W 103 34 28.02	0.00	0.00	0.00
	1700.00	0.00	184.84	1700.00	0.00	0.00	0.00	398534.00	776346.30	N 32 5 36.15	W 103 34 28.02	0.00	0.00	0.00
	1800.00	0.00	184.84	1800.00	0.00	0.00	0.00	398534.00	776346.30	N 32 5 36.15	W 103 34 28.02	0.00	0.00	0.00
	1900.00	0.00	184.84	1900.00	0.00	0.00	0.00	398534.00	776346.30	N 32 5 36.15	W 103 34 28.02	0.00	0.00	0.00
	2000.00	0.00	184.84	2000.00	0.00	0.00	0.00	398534.00	776346.30	N 32 5 36.15	W 103 34 28.02	0.00	0.00	0.00
	2100.00	0.00	184.84	2100.00	0.00	0.00	0.00	398534.00	776346.30	N 32 5 36.15	W 103 34 28.02	0.00	0.00	0.00
	2200.00	0.00	184.84	2200.00	0.00	0.00	0.00	398534.00	776346.30	N 32 5 36.15	W 103 34 28.02	0.00	0.00	0.00
	2300.00	0.00	184.84	2300.00	0.00	0.00	0.00	398534.00	776346.30	N 32 5 36.15	W 103 34 28.02	0.00	0.00	0.00
	2400.00	0.00	184.84	2400.00	0.00	0.00	0.00	398534.00	776346.30	N 32 5 36.15	W 103 34 28.02	0.00	0.00	0.00
	2500.00	0.00	184.84	2500.00	0.00	0.00	0.00	398534.00	776346.30	N 32 5 36.15	W 103 34 28.02	0.00	0.00	0.00
	2600.00	0.00	184.84	2600.00	0.00	0.00	0.00	398534.00	776346.30	N 32 5 36.15	W 103 34 28.02	0.00	0.00	0.00
	2700.00	0.00	184.84	2700.00	0.00	0.00	0.00	398534.00	776346.30	N 32 5 36.15	W 103 34 28.02	0.00	0.00	0.00
	2800.00	0.00	184.84	2800.00	0.00	0.00	0.00	398534.00	776346.30	N 32 5 36.15	W 103 34 28.02	0.00	0.00	0.00
	2900.00	0.00	184.84	2900.00	0.00	0.00	0.00	398534.00	776346.30	N 32 5 36.15	W 103 34 28.02	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)
	3000.00	0.00	184.84	3000.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	3100.00	0.00	184.84	3100.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	3200.00	0.00	184.84	3200.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	3300.00	0.00	184.84	3300.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	3400.00	0.00	184.84	3400.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	3500.00	0.00	184.84	3500.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	3600.00	0.00	184.84	3600.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	3700.00	0.00	184.84	3700.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	3800.00	0.00	184.84	3800.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	3900.00	0.00	184.84	3900.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	4000.00	0.00	184.84	4000.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	4100.00	0.00	184.84	4100.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	4200.00	0.00	184.84	4200.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	4300.00	0.00	184.84	4300.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	4400.00	0.00	184.84	4400.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	4500.00	0.00	184.84	4500.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	4600.00	0.00	184.84	4600.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	4700.00	0.00	184.84	4700.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	4800.00	0.00	184.84	4800.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	4900.00	0.00	184.84	4900.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	5000.00	0.00	184.84	5000.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	5100.00	0.00	184.84	5100.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	5200.00	0.00	184.84	5200.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	5300.00	0.00	184.84	5300.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	5400.00	0.00	184.84	5400.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	5500.00	0.00	184.84	5500.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	5600.00	0.00	184.84	5600.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	5700.00	0.00	184.84	5700.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	5800.00	0.00	184.84	5800.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	5900.00	0.00	184.84	5900.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	6000.00	0.00	184.84	6000.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	6100.00	0.00	184.84	6100.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	6200.00	0.00	184.84	6200.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	6300.00	0.00	184.84	6300.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	6400.00	0.00	184.84	6400.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	6500.00	0.00	184.84	6500.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	6600.00	0.00	184.84	6600.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	6700.00	0.00	184.84	6700.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	6800.00	0.00	184.84	6800.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	6900.00	-0.00	184.84	6900.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	7000.00	0.00	184.84	7000.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	7100.00	0.00	184.84	7100.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	7200.00	0.00	184.84	7200.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	7300.00	0.00	184.84	7300.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	7400.00	0.00	184.84	7400.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	7500.00	0.00	184.84	7500.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	7600.00	0.00	184.84	7600.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	7700.00	0.00	184.84	7700.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	7800.00	0.00	184.84	7800.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	7900.00	0.00	184.84	7900.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	8000.00	0.00	184.84	8000.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	8100.00	0.00	184.84	8100.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	8200.00	0.00	184.84	8200.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	8300.00	0.00	184.84	8300.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	0.00	0.00	0.00
	8400.00	0.00	184.84	8400.00	0.00	0.00	0.00	398534.00	776346.30	N 32	5 36.15	W 103 34 28.02	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)
KOP - Build @ 12"/100' DLS	8500.00	0.00	184.84	8500.00	0.00	0.00	0.00	398534.00	776346.30	N 32 5 36.15	W 103 34 28.02	0.00	0.00	0.00
	8600.00	0.00	184.84	8600.00	0.00	0.00	0.00	398534.00	776346.30	N 32 5 36.15	W 103 34 28.02	0.00	0.00	0.00
	8700.00	0.00	184.84	8700.00	0.00	0.00	0.00	398534.00	776346.30	N 32 5 36.15	W 103 34 28.02	0.00	0.00	0.00
	8800.00	0.00	184.84	8800.00	0.00	0.00	0.00	398534.00	776346.30	N 32 5 36.15	W 103 34 28.02	0.00	0.00	0.00
	8900.00	0.00	184.84	8900.00	0.00	0.00	0.00	398534.00	776346.30	N 32 5 36.15	W 103 34 28.02	0.00	0.00	0.00
	9000.00	0.00	184.84	9000.00	0.00	0.00	0.00	398534.00	776346.30	N 32 5 36.15	W 103 34 28.02	0.00	0.00	0.00
	9100.00	0.00	184.84	9100.00	0.00	0.00	0.00	398534.00	776346.30	N 32 5 36.15	W 103 34 28.02	0.00	0.00	0.00
	9200.00	0.00	184.84	9200.00	0.00	0.00	0.00	398534.00	776346.30	N 32 5 36.15	W 103 34 28.02	0.00	0.00	0.00
	9300.00	0.00	184.84	9300.00	0.00	0.00	0.00	398534.00	776346.30	N 32 5 36.15	W 103 34 28.02	0.00	0.00	0.00
	9397.54	0.00	184.84	9397.54	0.00	0.00	0.00	398534.00	776346.30	N 32 5 36.15	W 103 34 28.02	0.00	0.00	0.00
Landing Point	9400.00	0.30	184.84	9400.00	0.01	-0.01	0.00	398533.99	776346.30	N 32 5 36.15	W 103 34 28.02	0.01	184.84	12.00
	9500.00	12.30	184.84	9499.22	10.95	-10.91	-0.92	398523.09	776345.38	N 32 5 36.05	W 103 34 28.03	10.95	184.84	12.00
	9600.00	24.30	184.84	9593.99	42.29	-42.14	-3.57	398491.86	776342.73	N 32 5 35.74	W 103 34 28.07	42.29	184.84	12.00
	9700.00	36.30	184.84	9680.17	92.64	-92.31	-7.82	398441.69	776338.48	N 32 5 35.24	W 103 34 28.12	92.64	184.84	12.00
	9800.00	48.30	184.84	9754.01	159.81	-159.24	-13.49	398374.76	776332.81	N 32 5 34.58	W 103 34 28.19	159.81	184.84	12.00
	9900.00	60.30	184.84	9812.26	240.87	-240.01	-20.33	398294.00	776325.97	N 32 5 33.78	W 103 34 28.28	240.87	184.84	12.00
	10000.00	72.30	184.84	9852.39	332.27	-331.08	-28.04	398202.93	776318.26	N 32 5 32.88	W 103 34 28.38	332.27	184.84	12.00
	10100.00	84.30	184.84	9872.64	430.01	-428.47	-36.29	398105.54	776310.01	N 32 5 31.92	W 103 34 28.48	430.01	184.84	12.00
	10147.54	90.00	184.84	9875.00	477.46	-475.76	-40.30	398058.25	776306.00	N 32 5 31.45	W 103 34 28.53	477.46	184.84	12.00
	10200.00	90.00	184.84	9875.00	529.93	-528.04	-44.73	398005.98	776301.57	N 32 5 30.93	W 103 34 28.59	529.93	184.84	0.00
	10300.00	90.00	184.84	9875.00	629.93	-627.68	-53.17	397906.34	776293.13	N 32 5 29.95	W 103 34 28.69	629.93	184.84	0.00
	10400.00	90.00	184.84	9875.00	729.93	-727.32	-61.61	397806.70	776284.69	N 32 5 28.96	W 103 34 28.80	729.93	184.84	0.00
	10500.00	90.00	184.84	9875.00	829.93	-826.97	-70.05	397707.06	776276.25	N 32 5 27.98	W 103 34 28.91	829.93	184.84	0.00
	10600.00	90.00	184.84	9875.00	929.93	-926.61	-78.49	397607.42	776267.81	N 32 5 26.99	W 103 34 29.01	929.93	184.84	0.00
	10700.00	90.00	184.84	9875.00	1029.93	-1026.25	-86.93	397507.78	776259.37	N 32 5 26.01	W 103 34 29.12	1029.93	184.84	0.00
	10800.00	90.00	184.84	9875.00	1129.93	-1125.90	-95.37	397408.14	776250.93	N 32 5 25.02	W 103 34 29.22	1129.93	184.84	0.00
	10900.00	90.00	184.84	9875.00	1229.93	-1225.54	-103.81	397308.50	776242.49	N 32 5 24.03	W 103 34 29.33	1229.93	184.84	0.00
	11000.00	90.00	184.84	9875.00	1329.93	-1325.18	-112.25	397208.86	776234.05	N 32 5 23.05	W 103 34 29.44	1329.93	184.84	0.00
	11100.00	90.00	184.84	9875.00	1429.93	-1424.83	-120.69	397109.22	776225.61	N 32 5 22.06	W 103 34 29.54	1429.93	184.84	0.00
	11200.00	90.00	184.84	9875.00	1529.93	-1524.47	-129.13	397009.57	776217.17	N 32 5 21.08	W 103 34 29.65	1529.93	184.84	0.00
	11300.00	90.00	184.84	9875.00	1629.93	-1624.11	-137.57	396909.93	776208.73	N 32 5 20.09	W 103 34 29.76	1629.93	184.84	0.00
	11400.00	90.00	184.84	9875.00	1729.93	-1723.76	-146.01	396810.29	776200.29	N 32 5 19.11	W 103 34 29.86	1729.93	184.84	0.00
	11500.00	90.00	184.84	9875.00	1829.93	-1823.40	-154.45	396710.65	776191.85	N 32 5 18.12	W 103 34 29.97	1829.93	184.84	0.00
	11600.00	90.00	184.84	9875.00	1929.93	-1923.04	-162.89	396611.01	776183.41	N 32 5 17.14	W 103 34 30.07	1929.93	184.84	0.00
	11700.00	90.00	184.84	9875.00	2029.93	-2022.69	-171.33	396511.37	776174.97	N 32 5 16.15	W 103 34 30.18	2029.93	184.84	0.00
	11800.00	90.00	184.84	9875.00	2129.93	-2122.33	-179.78	396411.73	776166.53	N 32 5 15.17	W 103 34 30.29	2129.93	184.84	0.00
	11900.00	90.00	184.84	9875.00	2229.93	-2221.97	-188.22	396312.09	776158.09	N 32 5 14.18	W 103 34 30.39	2229.93	184.84	0.00
	12000.00	90.00	184.84	9875.00	2329.93	-2321.62	-196.66	396212.45	776149.65	N 32 5 13.20	W 103 34 30.50	2329.93	184.84	0.00
	12100.00	90.00	184.84	9875.00	2429.93	-2421.26	-205.10	396112.81	776141.21	N 32 5 12.21	W 103 34 30.61	2429.93	184.84	0.00
	12200.00	90.00	184.84	9875.00	2529.93	-2520.90	-213.54	396013.17	776132.77	N 32 5 11.22	W 103 34 30.71	2529.93	184.84	0.00
	12300.00	90.00	184.84	9875.00	2629.93	-2620.55	-221.98	395913.53	776124.33	N 32 5 10.24	W 103 34 30.82	2629.93	184.84	0.00
	12400.00	90.00	184.84	9875.00	2729.93	-2720.19	-230.42	395813.89	776115.89	N 32 5 9.25	W 103 34 30.92	2729.93	184.84	0.00
	12500.00	90.00	184.84	9875.00	2829.93	-2819.83	-238.86	395714.25	776107.45	N 32 5 8.27	W 103 34 31.03	2829.93	184.84	0.00
	12600.00	90.00	184.84	9875.00	2929.93	-2919.47	-247.30	395614.61	776099.01	N 32 5 7.28	W 103 34 31.14	2929.93	184.84	0.00
	12700.00	90.00	184.84	9875.00	3029.93	-3019.12	-255.74	395514.97	776090.57	N 32 5 6.30	W 103 34 31.24	3029.93	184.84	0.00
	12800.00	90.00	184.84	9875.00	3129.93	-3118.76	-264.18	395415.33	776082.13	N 32 5 5.31	W 103 34 31.35	3129.93	184.84	0.00
	12900.00	90.00	184.84	9875.00	3229.93	-3218.40	-272.62	395315.69	776073.69	N 32 5 4.33	W 103 34 31.45	3229.93	184.84	0.00
	13000.00	90.00	184.84	9875.00	3329.93	-3318.05	-281.06	395216.05	776065.25	N 32 5 3.34	W 103 34 31.56	3329.93	184.84	0.00
	13100.00	90.00	184.84	9875.00	3429.93	-3417.69	-289.50	395116.41	776056.81	N 32 5 2.36	W 103 34 31.67	3429.93	184.84	0.00
	13200.00	90.00	184.84	9875.00	3529.93	-3517.33	-297.94	395016.77	776048.37	N 32 5 1.37	W 103 34 31.77	3529.93	184.84	0.00
	13300.00	90.00	184.84	9875.00	3629.93	-3616.98	-306.38	394917.13	776039.93	N 32 5 0.39	W 103 34 31.88	3629.93	184.84	0.00
	13400.00	90.00	184.84	9875.00	3729.93	-3716.62	-314.82	394817.49	776031.49	N 32 4 59.40	W 103 34 31.99	3729.93	184.84	0.00
	13500.00	90.00	184.84	9875.00	3829.93	-3816.26	-323.26	394717.85	776023.05	N 32 4 58.41	W 103 34 32.09	3829.93	184.84	0.00
	13600.00	90.00	184.84	9875.00	3929.93	-3915.91	-331.70	394618.21	776014.61	N 32 4 57.43	W 103 34 32.20	3929.93	184.84	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)
	13700.00	90.00	184.84	9875.00	4029.93	-4015.55	-340.14	394518.57	776006.17	N 32 4 56.44	W 103 34 32.30	4029.93	184.84	0.00
	13800.00	90.00	184.84	9875.00	4129.93	-4115.19	-348.58	394418.93	775997.73	N 32 4 55.46	W 103 34 32.41	4129.93	184.84	0.00
	13900.00	90.00	184.84	9875.00	4229.93	-4214.84	-357.02	394319.29	775989.29	N 32 4 54.47	W 103 34 32.52	4229.93	184.84	0.00
	14000.00	90.00	184.84	9875.00	4329.93	-4314.48	-365.46	394219.65	775980.85	N 32 4 53.49	W 103 34 32.62	4329.93	184.84	0.00
	14100.00	90.00	184.84	9875.00	4429.93	-4414.12	-373.90	394120.01	775972.41	N 32 4 52.50	W 103 34 32.73	4429.93	184.84	0.00
	14200.00	90.00	184.84	9875.00	4529.93	-4513.77	-382.35	394020.37	775963.97	N 32 4 51.52	W 103 34 32.84	4529.93	184.84	0.00
	14300.00	90.00	184.84	9875.00	4629.93	-4613.41	-390.79	393920.73	775955.53	N 32 4 50.53	W 103 34 32.94	4629.93	184.84	0.00
Cimarex Red Hills Unit #19H PBHL	14305.05	90.00	184.84	9875.00	4634.98	-4618.44	-391.21	393915.70	775955.10	N 32 4 50.48	W 103 34 32.95	4634.98	184.84	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	14305.047	1/100.000	30.000	30.000	SLB_MWD-POOR	Original Borehole / Cimarex Red Hills Unit #19H Rev2 CJG 17-Mar-

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

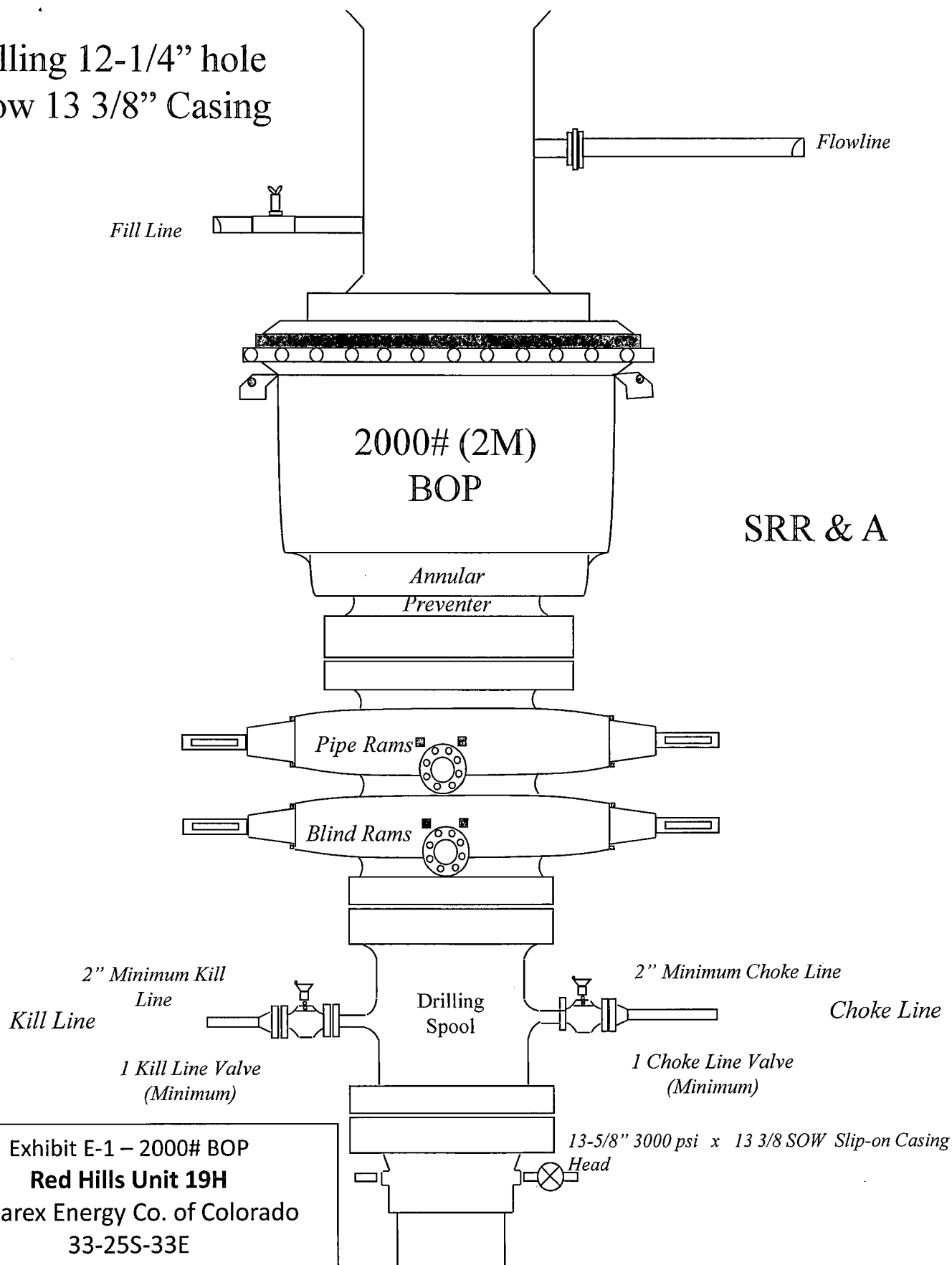


Exhibit E-1 – 2000# BOP

Red Hills Unit 19H

Cimarex Energy Co. of Colorado

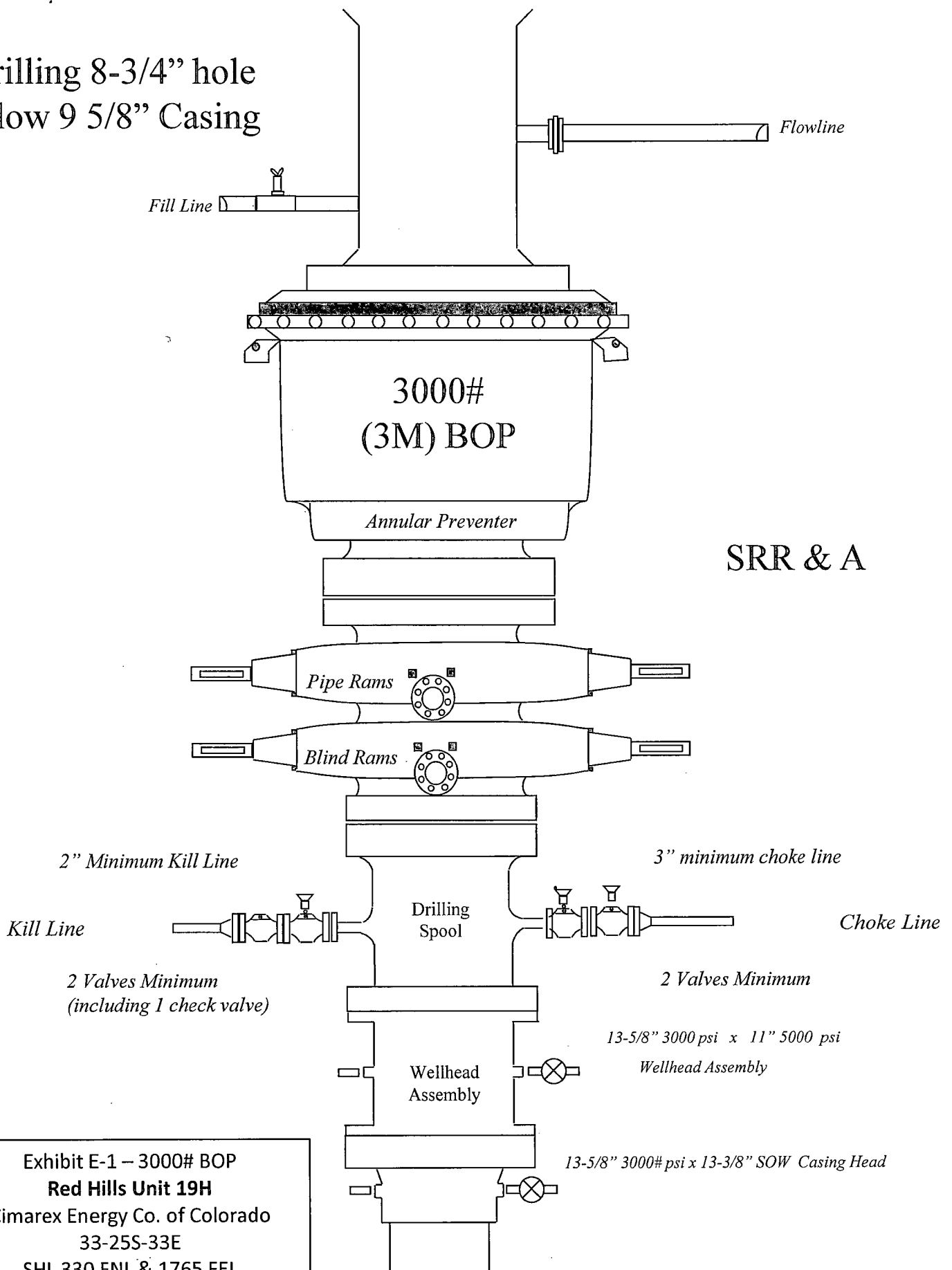
33-25S-33E

SHL 330 FNL & 1765 FEL

BHL 330 FSL & 2200 FEL

Lea County, NM

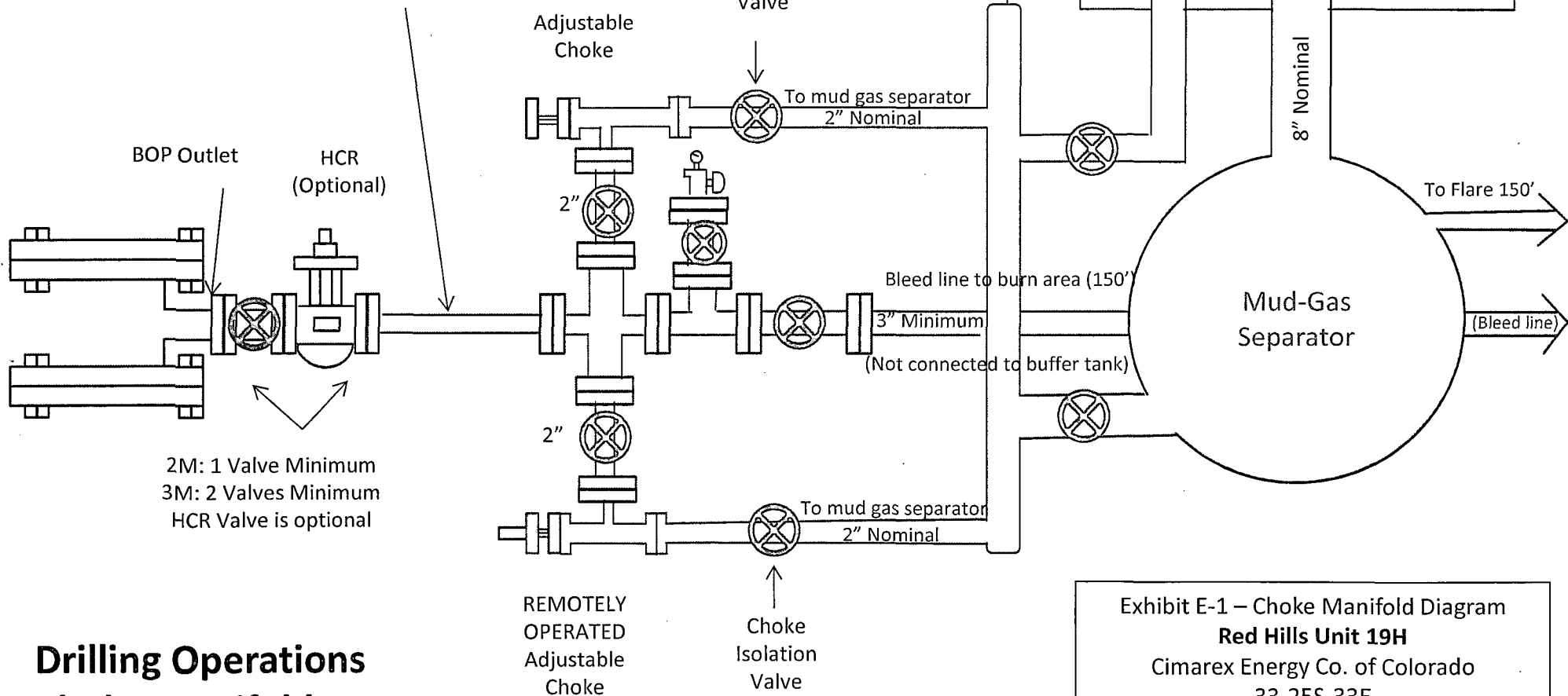
Drilling 8-3/4" hole
below 9 5/8" Casing



SRR & A

Exhibit E-1 – 3000# BOP
Red Hills Unit 19H
Cimarex Energy Co. of Colorado
33-25S-33E
SHL 330 FNL & 1765 FEL
BHL 330 FSL & 2200 FEL
Lea County, NM

Choke Line:
 2M System: 2" Minimum
 3M System: 3" Minimum
 OPTIONAL: 4" Flex Hose may be used
 if approved in APD



Drilling Operations Choke Manifold 2M/3M Service

Exhibit E-1 – Choke Manifold Diagram
Red Hills Unit 19H
 Cimarex Energy Co. of Colorado
 33-25S-33E
 SHL 330 FNL & 1765 FEL
 BHL 330 FSL & 2200 FEL
 Lea County, NM

Exhibit F – Co-Flex Hose
Red Hills Unit 19H
Cimarex Energy Co. of Colorado
33-25S-33E
SHL 330 FNL & 1765 FEL
BHL 330 FSL & 2200 FEL
Lea County, NM

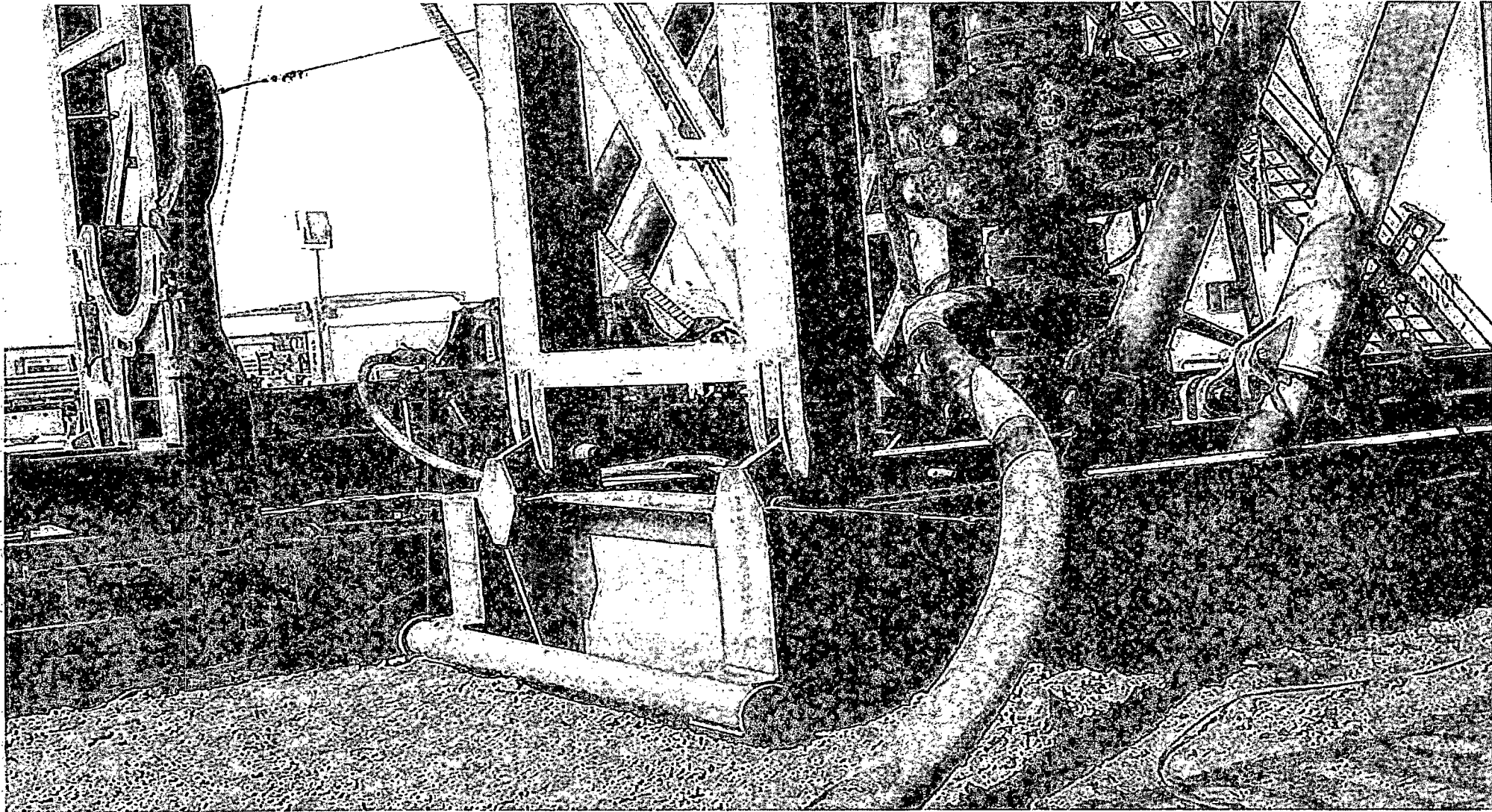


Exhibit F-1 – Co-Flex Hose Hydrostatic Test

Red Hills Unit 19H

Cimarex Energy Co. of Colorado

33-25S-33E

SHL 330 FNL & 1765 FEL

BHL 330 FSL & 2200 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 10,000 PSI	TEST PRESSURE 15,000 PSI	BURST PRESSURE 0 PSI	
COUPLINGS			
Stem Part No. OKC OKC		Ferrule No. OKC OKC	
Type of Coupling: Swage-It			
PROCEDURE			
<i>Hose assembly pressure tested with water at ambient temperature.</i>			
TIME HELD AT TEST PRESSURE 15 MIN.		ACTUAL BURST PRESSURE: 0 PSI	
Hose Assembly Serial Number: 79793		Hose Serial Number: OKC	
Comments:			
Date: 3/8/2011	Tested: <i>A. J. J. J.</i>		Approved: <i>[Signature]</i>



Midwest Hose
& Specialty, Inc.

Internal Hydrostatic Test Graph

Customer: Houston

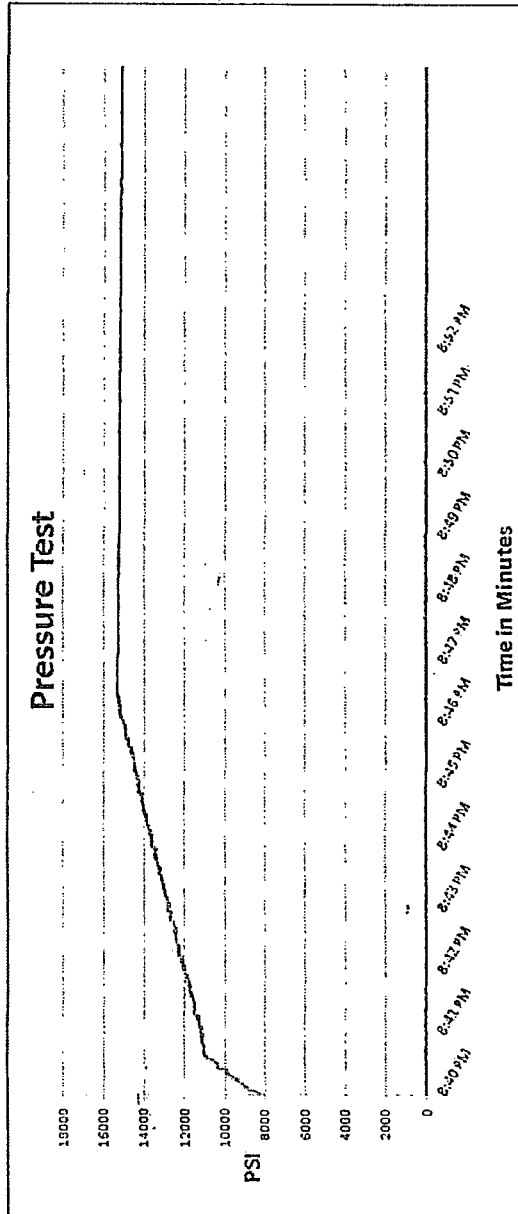
Pick Ticket #: 94260

Hose Specifications

Hose Type: C & K
Length: 45'
ID: 4"
OD: 6.09"
Working Pressure: 10000 PSI
Burst Pressure: Standard Safety Multiplier Applies

Verification

Type of Fittings: 41/16 JIC
Die Size: 6.38"
Hose Serial #: 5544
Coupling Method: Swage
Final O.D.: 6.25"
Hose Assembly Serial #: 79793



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

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

Tested By: Zac McConnell

Approved By: Kim Thomas

Zac McConnell

Kim Thomas

Certificate of Conformity

Customer: DEM		PO ODYD-271
SPECIFICATIONS		
Sales Order 79793	Dated: 3/8/2011	
We hereby certify 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: <i>David Garcia</i>	Date: 3/8/2011	

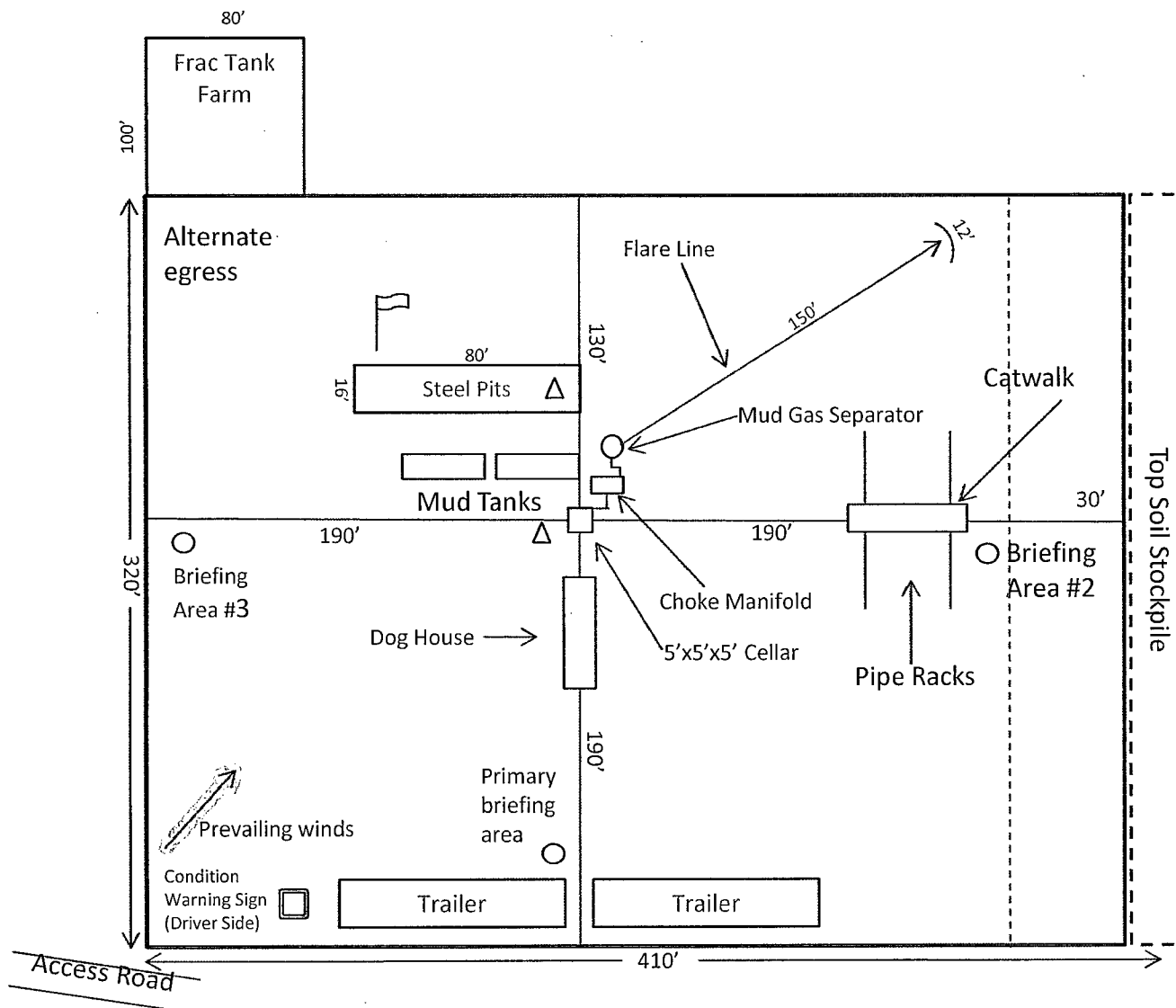


Exhibit F -3- Co-Flex Hose
Red Hills Unit 19H
Cimarex Energy Co. of Colorado
33-25S-33E
SHL 330 FNL & 1765 FEL
BHL 330 FSL & 2200 FEL
Lea County, NM

Specification Sheet Choke & Kill Hose

The Midwest Hose & Specialty Choke & Kill hose is manufactured with only premium components. 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 vermiculite 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, unbolt 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)



-  Wind Direction Indicators (wind sock or streamers)
-  H2S Monitors (alarms at bell nipple and shale shaker)
-  Briefing Areas



Exhibit D – Rig Diagram
Red Hills Unit 19H
 Cimarex Energy Co. of Colorado
 33-25S-33E
 SHL 330 FNL & 1765 FEL
 BHL 330 FSL & 2200 FEL
 Lea County, NM