

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER NBU 922-33E3DS	
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT NATURAL BUTTES	
4. TYPE OF WELL Gas Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME NATURAL BUTTES	
6. NAME OF OPERATOR KERR-MCGEE OIL & GAS ONSHORE, L.P.						7. OPERATOR PHONE 720 929-6587	
8. ADDRESS OF OPERATOR P.O. Box 173779, Denver, CO, 80217						9. OPERATOR E-MAIL mary.mondragon@anadarko.com	
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU 01191A			11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>	
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')	
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')	
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input checked="" type="checkbox"/> (Submit Commingling Application) NO <input type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>	
20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN	
LOCATION AT SURFACE	1223 FNL 1295 FWL	NWNW	33	9.0 S	22.0 E	S	
Top of Uppermost Producing Zone	2617 FNL 426 FWL	SWNW	33	9.0 S	22.0 E	S	
At Total Depth	2617 FNL 426 FWL	SWNW	33	9.0 S	22.0 E	S	
21. COUNTY UINTAH			22. DISTANCE TO NEAREST LEASE LINE (Feet) 426			23. NUMBER OF ACRES IN DRILLING UNIT 1363	
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1390			26. PROPOSED DEPTH MD: 9484 TVD: 9000	
27. ELEVATION - GROUND LEVEL 4942			28. BOND NUMBER WYB000291			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE Permit #43-8496	
ATTACHMENTS							
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES							
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER				<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN			
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)				<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER			
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)				<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP			
NAME Danielle Piernot			TITLE Regulatory Analyst			PHONE 720 929-6156	
SIGNATURE			DATE 06/19/2009			EMAIL danielle.piernot@anadarko.com	
API NUMBER ASSIGNED 43047505090000			APPROVAL  Permit Manager				

Proposed Hole, Casing, and Cement						
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Prod	7.875	4.5	0	9484		
Pipe	Grade	Length	Weight			
	Grade I-80 LT&C	9484	11.6			

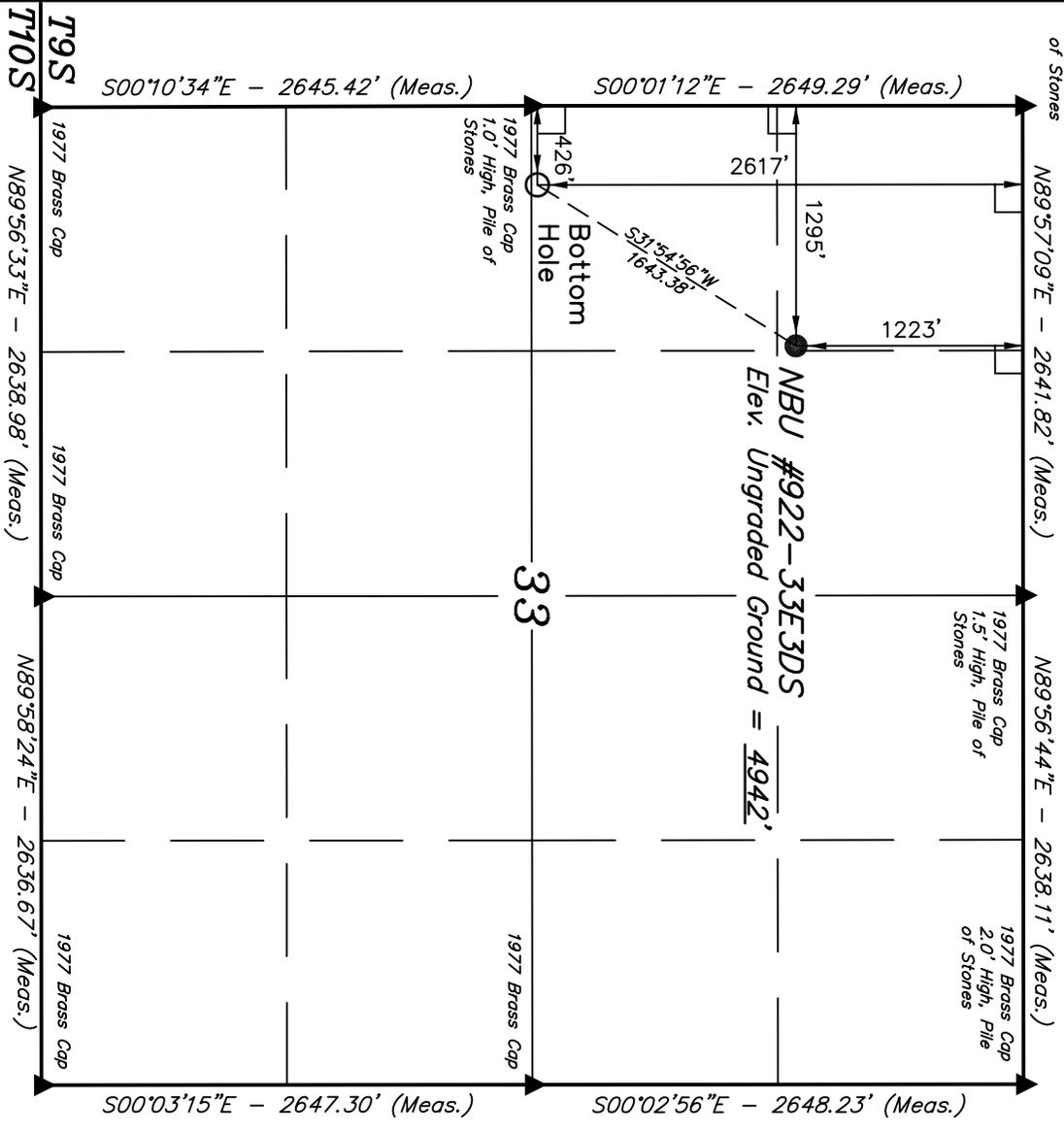
Proposed Hole, Casing, and Cement						
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Surf	12.25	9.625	0	2205		
Pipe	Grade	Length	Weight			
	Grade J-55 LT&C	2205	36.0			

T9S, R22E, S.L.B.&M.

1977 Brass Cap
0.4' High, Pile
of Stones

1977 Brass Cap
1.5' High, Pile of
Stones

1977 Brass Cap
2.0' High, Pile
of Stones



NBU #922-33E3DS
Elev. Ungraded Ground = 4942'

33

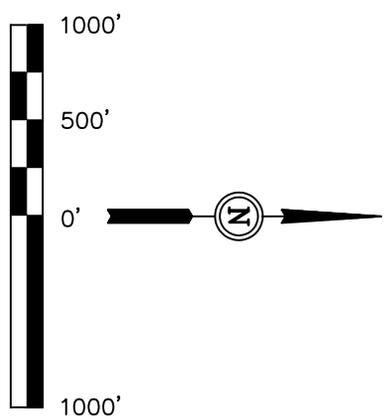
Kerr-McGee Oil & Gas Onshore LP
Well location, NBU #922-33E3DS, located as shown in the NW 1/4 NW 1/4 of Section 33, T9S, R22E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.
No. 161319



UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

- LEGEND:**
- = 90° SYMBOL
 - = PROPOSED WELL HEAD.
 - ▲ = SECTION CORNERS LOCATED.

NAD 83 (TARGET BOTTOM HOLE)		NAD 83 (SURFACE LOCATION)	
LATITUDE = 39°59'33.39" (39.992608)	LONGITUDE = 109°27'10.44" (109.452900)	LATITUDE = 39°59'47.17" (39.996436)	LONGITUDE = 109°26'59.28" (109.449800)
NAD 27 (TARGET BOTTOM HOLE)		NAD 27 (SURFACE LOCATION)	
LATITUDE = 39°59'33.52" (39.992644)	LONGITUDE = 109°27'07.98" (109.452212)	LATITUDE = 39°59'47.30" (39.996472)	LONGITUDE = 109°26'56.82" (109.449117)

SCALE	1" = 1000'	
PARTY	L.K. C.K. D.P.	REFERENCES
WEATHER	COOL	FILE
		Kerr-McGee Oil & Gas Onshore LP
		DATE SURVEYED: 10-30-08
		DATE DRAWN: 11-05-08

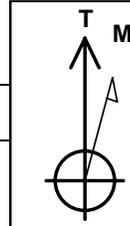


Project: Uintah County, UT NAD27
 Site: NBU 922-33D Pad
 Well: NBU 922-33E3DS
 Wellbore: OH
 Design: Plan 2

Kerr McGee Oil and Gas Onshore LP

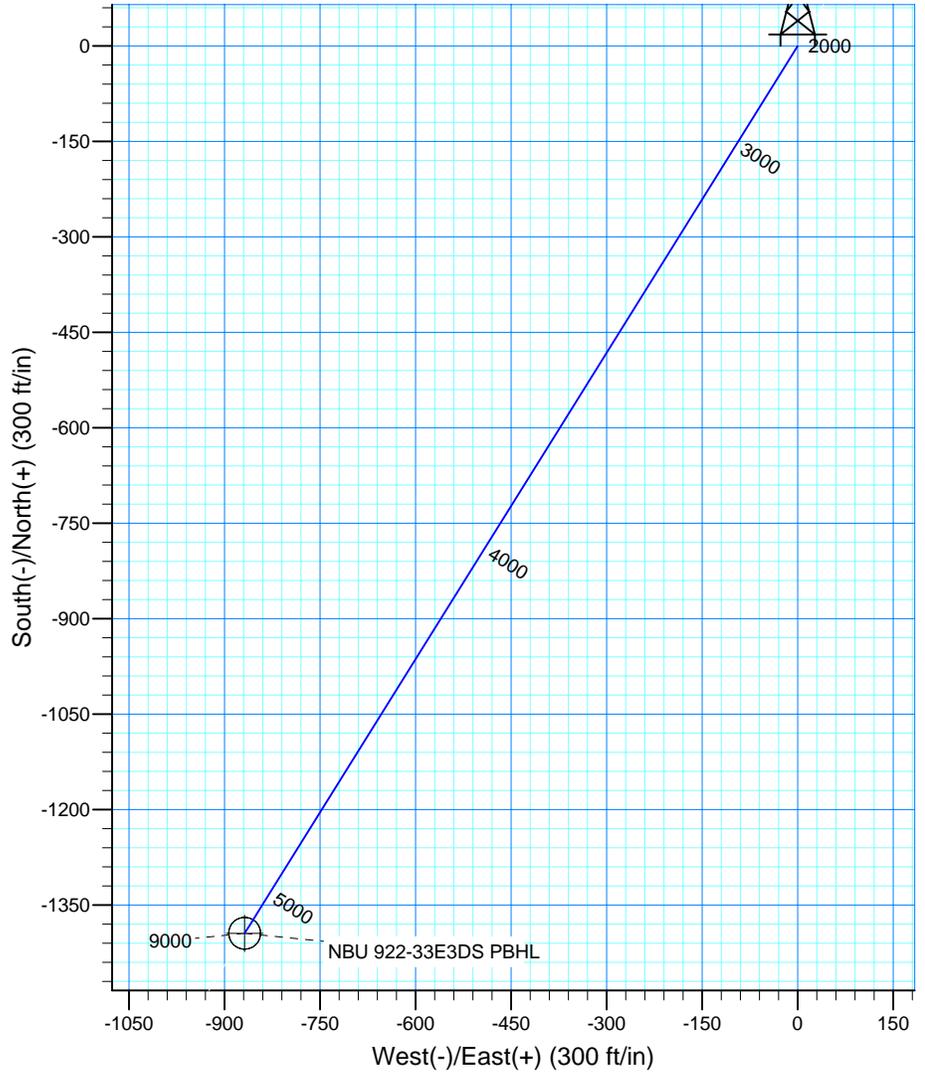
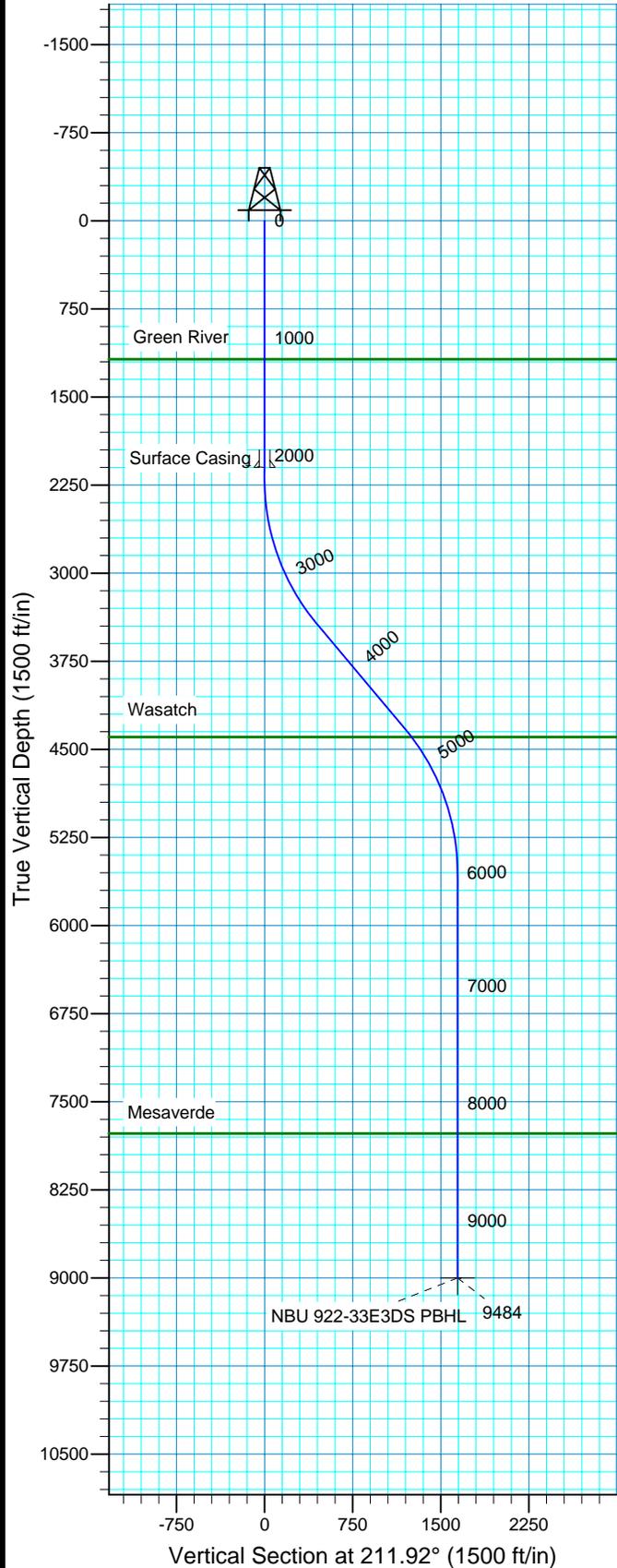
WELL DETAILS: NBU 922-33E3DS

Ground Level: GL 4942' & RKB 18' @ 4960.00ft
 +N/-S 0.00 +E/-W 0.00 Northing 612348.46 Easting 2574525.25 Latitude 39° 59' 47.300 N Longitude 109° 26' 56.820 W



Azimuths to True North
 Magnetic North: 11.36°

Magnetic Field
 Strength: 52609.2snT
 Dip Angle: 65.95°
 Date: 12/12/2008
 Model: IGRF2005-10



FORMATION TOP DETAILS			Plan: Plan 2 (NBU 922-33E3DS/OH)	
TVDPath	MDPath	Formation	Created By:	Date:
1179.00	1179.00	Green River	Laura Turner	2009-01-07
4395.00	4792.63	Wasatch	PROJECT DETAILS: Uintah County, UT NAD27	
7770.00	8254.00	Mesaverde	Geodetic System: US State Plane 1927 (Exact solution)	
			Datum: NAD 1927 (NADCON CONUS)	
			Ellipsoid: Clarke 1866	
			Zone: Utah Central 4302	
			System Datum: Mean Sea Level	
			Local North: True	

SECTION DETAILS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2206.00	0.00	0.00	2206.00	0.00	0.00	0.00	0.00	0.00	
3539.33	40.00	211.92	3433.63	-379.25	-236.26	3.00	211.92	446.82	
4704.54	40.00	211.92	4326.23	-1014.97	-632.28	0.00	0.00	1195.80	
6037.87	0.00	0.00	5553.86	-1394.22	-868.54	3.00	180.00	1642.62	
9484.00	0.00	0.00	9000.00	-1394.22	-868.54	0.00	0.00	1642.62	NBU 922-33E3DS PBHL

Kerr McGee Oil and Gas Onshore LP

**Uintah County, UT NAD27
NBU 922-33D Pad
NBU 922-33E3DS
OH**

Plan: Plan 2

Standard Planning Report

08 January, 2009

Scientific Drilling Planning Report

Database: EDM2003.16 MultiuserDB	Local Co-ordinate Reference: Well NBU 922-33E3DS
Company: Kerr McGee Oil and Gas Onshore LP	TVD Reference: GL 4942' & RKB 18' @ 4960.00ft
Project: Uintah County, UT NAD27	MD Reference: GL 4942' & RKB 18' @ 4960.00ft
Site: NBU 922-33D Pad	North Reference: True
Well: NBU 922-33E3DS	Survey Calculation Method: Minimum Curvature
Wellbore: OH	
Design: Plan 2	

Project Uintah County, UT NAD27	
Map System: US State Plane 1927 (Exact solution)	System Datum: Mean Sea Level
Geo Datum: NAD 1927 (NADCON CONUS)	
Map Zone: Utah Central 4302	

Site NBU 922-33D Pad, Sec 33 T6S R22E		
Site Position:	Northing: 611,096.92ft	Latitude: 39° 59' 35.060 N
From: Lat/Long	Easting: 2,573,967.00ft	Longitude: 109° 27' 4.360 W
Position Uncertainty: 0.00 ft	Slot Radius: in	Grid Convergence: 1.31 °

Well NBU 922-33E3DS, 1223' FNL & 1295' FWL			
Well Position	+N/-S 0.00 ft	Northing: 612,348.46 ft	Latitude: 39° 59' 47.300 N
	+E/-W 0.00 ft	Easting: 2,574,525.25 ft	Longitude: 109° 26' 56.820 W
Position Uncertainty	0.00 ft	Wellhead Elevation: ft	Ground Level: 4,942.00 ft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2005-10	12/12/2008	11.36	65.95	52,609

Design Plan 2

Audit Notes:				
Version:	Phase: PLAN	Tie On Depth: 0.00		
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	211.92

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,206.00	0.00	0.00	2,206.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,539.33	40.00	211.92	3,433.63	-379.25	-236.26	3.00	3.00	0.00	211.92	
4,704.54	40.00	211.92	4,326.23	-1,014.97	-632.28	0.00	0.00	0.00	0.00	
6,037.87	0.00	0.00	5,553.86	-1,394.22	-868.54	3.00	-3.00	0.00	180.00	
9,484.00	0.00	0.00	9,000.00	-1,394.22	-868.54	0.00	0.00	0.00	0.00	NBU 922-33E3DS F

Scientific Drilling

Planning Report

Database:	EDM2003.16 MultiuserDB	Local Co-ordinate Reference:	Well NBU 922-33E3DS
Company:	Kerr McGee Oil and Gas Onshore LP	TVD Reference:	GL 4942' & RKB 18' @ 4960.00ft
Project:	Uintah County, UT NAD27	MD Reference:	GL 4942' & RKB 18' @ 4960.00ft
Site:	NBU 922-33D Pad	North Reference:	True
Well:	NBU 922-33E3DS	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 2		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,179.00	0.00	0.00	1,179.00	0.00	0.00	0.00	0.00	0.00	0.00
Green River									
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
Surface Casing									
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,206.00	0.00	0.00	2,206.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	2.82	211.92	2,299.96	-1.96	-1.22	2.31	3.00	3.00	0.00
2,400.00	5.82	211.92	2,399.67	-8.36	-5.21	9.84	3.00	3.00	0.00
2,500.00	8.82	211.92	2,498.84	-19.17	-11.94	22.58	3.00	3.00	0.00
2,600.00	11.82	211.92	2,597.21	-34.37	-21.41	40.50	3.00	3.00	0.00
2,700.00	14.82	211.92	2,694.51	-53.93	-33.59	63.53	3.00	3.00	0.00
2,800.00	17.82	211.92	2,790.47	-77.77	-48.45	91.63	3.00	3.00	0.00
2,900.00	20.82	211.92	2,884.83	-105.85	-65.94	124.71	3.00	3.00	0.00
3,000.00	23.82	211.92	2,977.32	-138.08	-86.02	162.68	3.00	3.00	0.00
3,100.00	26.82	211.92	3,067.71	-174.38	-108.63	205.45	3.00	3.00	0.00
3,200.00	29.82	211.92	3,155.73	-214.64	-133.71	252.88	3.00	3.00	0.00
3,300.00	32.82	211.92	3,241.15	-258.76	-161.19	304.86	3.00	3.00	0.00
3,400.00	35.82	211.92	3,323.73	-306.60	-191.00	361.23	3.00	3.00	0.00
3,500.00	38.82	211.92	3,403.24	-358.06	-223.05	421.85	3.00	3.00	0.00
3,539.33	40.00	211.92	3,433.63	-379.25	-236.26	446.82	3.00	3.00	0.00
3,600.00	40.00	211.92	3,480.11	-412.35	-256.88	485.82	0.00	0.00	0.00
3,700.00	40.00	211.92	3,556.71	-466.91	-290.86	550.10	0.00	0.00	0.00
3,800.00	40.00	211.92	3,633.32	-521.47	-324.85	614.38	0.00	0.00	0.00
3,900.00	40.00	211.92	3,709.92	-576.03	-358.84	678.65	0.00	0.00	0.00
4,000.00	40.00	211.92	3,786.53	-630.58	-392.83	742.93	0.00	0.00	0.00
4,100.00	40.00	211.92	3,863.13	-685.14	-426.81	807.21	0.00	0.00	0.00
4,200.00	40.00	211.92	3,939.73	-739.70	-460.80	871.49	0.00	0.00	0.00
4,300.00	40.00	211.92	4,016.34	-794.26	-494.79	935.77	0.00	0.00	0.00
4,400.00	40.00	211.92	4,092.94	-848.82	-528.78	1,000.05	0.00	0.00	0.00
4,500.00	40.00	211.92	4,169.55	-903.38	-562.76	1,064.33	0.00	0.00	0.00
4,600.00	40.00	211.92	4,246.15	-957.93	-596.75	1,128.61	0.00	0.00	0.00
4,700.00	40.00	211.92	4,322.76	-1,012.49	-630.74	1,192.88	0.00	0.00	0.00

Scientific Drilling

Planning Report

Database:	EDM2003.16 MultiuserDB	Local Co-ordinate Reference:	Well NBU 922-33E3DS
Company:	Kerr McGee Oil and Gas Onshore LP	TVD Reference:	GL 4942' & RKB 18' @ 4960.00ft
Project:	Uintah County, UT NAD27	MD Reference:	GL 4942' & RKB 18' @ 4960.00ft
Site:	NBU 922-33D Pad	North Reference:	True
Well:	NBU 922-33E3DS	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 2		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,704.54	40.00	211.92	4,326.23	-1,014.97	-632.28	1,195.80	0.00	0.00	0.00
4,792.63	37.36	211.92	4,395.00	-1,061.69	-661.39	1,250.85	3.00	-3.00	0.00
Wasatch									
4,800.00	37.14	211.92	4,400.86	-1,065.48	-663.75	1,255.31	3.00	-3.00	0.00
4,900.00	34.14	211.92	4,482.13	-1,114.93	-694.55	1,313.57	3.00	-3.00	0.00
5,000.00	31.14	211.92	4,566.33	-1,160.69	-723.06	1,367.49	3.00	-3.00	0.00
5,100.00	28.14	211.92	4,653.24	-1,202.66	-749.21	1,416.93	3.00	-3.00	0.00
5,200.00	25.14	211.92	4,742.61	-1,240.71	-772.91	1,461.76	3.00	-3.00	0.00
5,300.00	22.14	211.92	4,834.22	-1,274.73	-794.10	1,501.85	3.00	-3.00	0.00
5,400.00	19.14	211.92	4,927.79	-1,304.64	-812.74	1,537.09	3.00	-3.00	0.00
5,500.00	16.14	211.92	5,023.08	-1,330.36	-828.76	1,567.38	3.00	-3.00	0.00
5,600.00	13.14	211.92	5,119.82	-1,351.80	-842.11	1,592.65	3.00	-3.00	0.00
5,700.00	10.14	211.92	5,217.76	-1,368.92	-852.78	1,612.81	3.00	-3.00	0.00
5,800.00	7.14	211.92	5,316.61	-1,381.66	-860.72	1,627.83	3.00	-3.00	0.00
5,900.00	4.14	211.92	5,416.12	-1,390.00	-865.91	1,637.65	3.00	-3.00	0.00
6,000.00	1.14	211.92	5,516.00	-1,393.90	-868.34	1,642.25	3.00	-3.00	0.00
6,037.87	0.00	0.00	5,553.86	-1,394.22	-868.54	1,642.62	3.00	-3.00	0.00
6,100.00	0.00	0.00	5,616.00	-1,394.22	-868.54	1,642.62	0.00	0.00	0.00
6,200.00	0.00	0.00	5,716.00	-1,394.22	-868.54	1,642.62	0.00	0.00	0.00
6,300.00	0.00	0.00	5,816.00	-1,394.22	-868.54	1,642.62	0.00	0.00	0.00
6,400.00	0.00	0.00	5,916.00	-1,394.22	-868.54	1,642.62	0.00	0.00	0.00
6,500.00	0.00	0.00	6,016.00	-1,394.22	-868.54	1,642.62	0.00	0.00	0.00
6,600.00	0.00	0.00	6,116.00	-1,394.22	-868.54	1,642.62	0.00	0.00	0.00
6,700.00	0.00	0.00	6,216.00	-1,394.22	-868.54	1,642.62	0.00	0.00	0.00
6,800.00	0.00	0.00	6,316.00	-1,394.22	-868.54	1,642.62	0.00	0.00	0.00
6,900.00	0.00	0.00	6,416.00	-1,394.22	-868.54	1,642.62	0.00	0.00	0.00
7,000.00	0.00	0.00	6,516.00	-1,394.22	-868.54	1,642.62	0.00	0.00	0.00
7,100.00	0.00	0.00	6,616.00	-1,394.22	-868.54	1,642.62	0.00	0.00	0.00
7,200.00	0.00	0.00	6,716.00	-1,394.22	-868.54	1,642.62	0.00	0.00	0.00
7,300.00	0.00	0.00	6,816.00	-1,394.22	-868.54	1,642.62	0.00	0.00	0.00
7,400.00	0.00	0.00	6,916.00	-1,394.22	-868.54	1,642.62	0.00	0.00	0.00
7,500.00	0.00	0.00	7,016.00	-1,394.22	-868.54	1,642.62	0.00	0.00	0.00
7,600.00	0.00	0.00	7,116.00	-1,394.22	-868.54	1,642.62	0.00	0.00	0.00
7,700.00	0.00	0.00	7,216.00	-1,394.22	-868.54	1,642.62	0.00	0.00	0.00
7,800.00	0.00	0.00	7,316.00	-1,394.22	-868.54	1,642.62	0.00	0.00	0.00
7,900.00	0.00	0.00	7,416.00	-1,394.22	-868.54	1,642.62	0.00	0.00	0.00
8,000.00	0.00	0.00	7,516.00	-1,394.22	-868.54	1,642.62	0.00	0.00	0.00
8,100.00	0.00	0.00	7,616.00	-1,394.22	-868.54	1,642.62	0.00	0.00	0.00
8,200.00	0.00	0.00	7,716.00	-1,394.22	-868.54	1,642.62	0.00	0.00	0.00
8,254.00	0.00	0.00	7,770.00	-1,394.22	-868.54	1,642.62	0.00	0.00	0.00
Mesaverde									
8,300.00	0.00	0.00	7,816.00	-1,394.22	-868.54	1,642.62	0.00	0.00	0.00
8,400.00	0.00	0.00	7,916.00	-1,394.22	-868.54	1,642.62	0.00	0.00	0.00
8,500.00	0.00	0.00	8,016.00	-1,394.22	-868.54	1,642.62	0.00	0.00	0.00
8,600.00	0.00	0.00	8,116.00	-1,394.22	-868.54	1,642.62	0.00	0.00	0.00
8,700.00	0.00	0.00	8,216.00	-1,394.22	-868.54	1,642.62	0.00	0.00	0.00
8,800.00	0.00	0.00	8,316.00	-1,394.22	-868.54	1,642.62	0.00	0.00	0.00
8,900.00	0.00	0.00	8,416.00	-1,394.22	-868.54	1,642.62	0.00	0.00	0.00
9,000.00	0.00	0.00	8,516.00	-1,394.22	-868.54	1,642.62	0.00	0.00	0.00
9,100.00	0.00	0.00	8,616.00	-1,394.22	-868.54	1,642.62	0.00	0.00	0.00
9,200.00	0.00	0.00	8,716.00	-1,394.22	-868.54	1,642.62	0.00	0.00	0.00
9,300.00	0.00	0.00	8,816.00	-1,394.22	-868.54	1,642.62	0.00	0.00	0.00
9,400.00	0.00	0.00	8,916.00	-1,394.22	-868.54	1,642.62	0.00	0.00	0.00

Scientific Drilling

Planning Report

Database: EDM2003.16 MultiuserDB Company: Kerr McGee Oil and Gas Onshore LP Project: Uintah County, UT NAD27 Site: NBU 922-33D Pad Well: NBU 922-33E3DS Wellbore: OH Design: Plan 2	Local Co-ordinate Reference: Well NBU 922-33E3DS TVD Reference: GL 4942' & RKB 18' @ 4960.00ft MD Reference: GL 4942' & RKB 18' @ 4960.00ft North Reference: True Survey Calculation Method: Minimum Curvature
--	---

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
9,484.00	0.00	0.00	9,000.00	-1,394.22	-868.54	1,642.62	0.00	0.00	0.00
NBU 922-33E3DS PBHL									

Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
NBU 922-33E3DS PB - hit/miss target - Shape	0.00	0.00	9,000.00	-1,394.22	-868.54	610,934.69	2,573,688.91	39° 59' 33.520 N	109° 27' 7.980 W
- plan hits target center - Circle (radius 25.00)									

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)	
2,100.00	2,100.00	Surface Casing	9.625	13.500	

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,179.00	1,179.00	Green River		0.00	
4,792.63	4,395.00	Wasatch		0.00	
8,254.00	7,770.00	Mesaverde		0.00	

NBU 922-33E3DS

Surface: 1,223' FNL, 1,295' FWL (NW/4NW/4)

BHL: 2,617' FNL 426' FWL (SW/4NW/4)

Sec. 33 T9S R22E

Uintah, Utah

Mineral Lease: UTU01191A

ONSHORE ORDER NO. 1

DRILLING PROGRAM

**1. – 2. Estimated Tops of Important Geologic Markers:
Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:**

<u>Formation</u>	<u>Depth</u>	<u>Resource</u>
Uinta	0 – Surface	
Green River	1,179'	
Birds Nest	1,518'	Water
Mahogany	2,004'	Water
Wasatch	4,395'	Gas
Mesaverde	6,864'	Gas
MVU2	7,770'	Gas
MVL1	8,388'	Gas
TVD	9,000'	
TD	9,484'	

3. Pressure Control Equipment (Schematic Attached)

Please refer to the attached Drilling Program.

4. Proposed Casing & Cementing Program:

Please refer to the attached Drilling Program.

5. Drilling Fluids Program:

Please refer to the attached Drilling Program.

6. Evaluation Program:

Please refer to the attached Drilling Program.

7. Abnormal Conditions:

Maximum anticipated bottomhole pressure calculated at 9,484' TD (MD), approximately equals 5,416 psi (calculated at 0.59 psi/foot).

Maximum anticipated surface pressure equals approximately 3,160 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. Anticipated Starting Dates:

Drilling is planned to commence immediately upon approval of this application.

9. Variations:

Please refer to the attached Drilling Program.

Onshore Order #2 – Air Drilling Variance

Kerr-McGee Oil & Gas Onshore LP (KMG) respectfully requests a variance to several requirements associated with air drilling outlined in Onshore Order 2

- *Blowout Prevention Equipment (BOPE) requirements;*
- *Mud program requirements; and*
- *Special drilling operation (surface equipment placement) requirements associated with air drilling.*

This Standard Operating Practices addendum provides supporting information as to why KMG current air drilling practices for constructing the surface casing hole should be granted a variance to Onshore Order 2 air drilling requirements.

The reader should note that the air rig is used only to construct a stable surface casing hole through a historically difficult lost circulation zone. A conventional rotary rig follows the air rig, and is used to drill and construct the majority of the wellbore.

More notable, KMG has used the air rig layout and procedures outlined below to drill the surface casing hole in approximately 675 wells without incident of blow out or loss of life.

Background

In a typical well, KMG utilizes an air rig for drilling the surface casing hole, an interval from the surface to surface casing depths, which varies in depth from 1,700 to 2,800 feet. The air rig drilling operation does not drill through productive or over pressured formations in KMG field, but does penetrate the Uinta and Green River Formations. The purpose of the air drilling operation is to overcome the severe loss circulation zone in the Green River known as the Bird's Nest while creating a stable hole for the surface casing. The surface casing hole is generally drilled to approximately 500 feet below the Bird's Nest.

Before the surface air rig is mobilized, a rathole rig is utilized to set and cement conductor pipe through a competent surface formation. Generally, the conductor is set at 40 feet. In some cases, conductor may be set deeper in areas that the surface formation is not found competent. This rig also drills the rat and mouse holes in preparation for the surface casing and production string drilling operations.

The air rig is then mobilized to drill the surface casing hole by drilling a 12-1/4 inch hole to just above the Bird's Nest interval with an air hammer. The hammer is then tripped and replaced with a 12-1/4 inch tri-cone bit. The tri-cone bit is used to drill to the surface casing point, approximately 500 feet below the loss circulation zone (Bird's Nest). The 9-5/8 inch surface casing is then run and cemented in place, thereby isolating the lost circulation zone.

KMG fully appreciates Onshore Order 2 well control and safety requirements associated with a typical air drilling operations. However, the requirements of Onshore Order 2 are excessive with respect to the air rig layout and drilling operation procedures that are currently in practice to drill and control the surface casing hole in KMG Fields.

Variance for BOPE Requirements

The air rig operation utilizes a properly lubricated and maintained air bowl diverter system which diverts the drilling returns to a six-inch blooie line. The air bowl is the only piece of BOPE equipment which is installed during drilling operations and is sufficient to contain the air returns associated with this drilling operation. As was discussed earlier, the drilling of the surface hole does not encounter any over pressured or productive zones, and as a result standard BOPE equipment should not be required. In addition, standard drilling practices do not support the use of BOPE on 40 feet of conductor pipe.

Variance for Mud Material Requirements

Onshore Order 2 also states that sufficient quantities of mud materials shall be maintained or readily accessible for the purpose of assuring adequate well control. Once again, the surface hole drilling operations does not encounter over pressured or productive intervals, and as a result there is not a need to control pressure in the surface hole with a mud system. Instead of mud, the air rigs utilize water from the reserve pit for well control, if necessary. A skid pump which is located near the reserve pit (see attachment) will supply the water to the well bore.

Variance for Special Drilling Operation (surface equipment placement) Requirements

Onshore Order 2 requires specific safety distances or setbacks for the placement of associated standard air drilling equipment, wellbore, and reserve pits. The air rigs used to drill the surface holes are not typical of an air rig used to drill a producing hole in other parts of the US. These are smaller in nature and designed to fit a KMG location. The typical air rig layout for drilling surface hole in the field is attached.

Typically the blooie line discharge point is required to be 100 feet from the well bore. In the case of a KMG well, the reserve pit is only 45 feet from the rig and is used for the drill cuttings. The blooie line, which transports the drill cuttings from the well to the reserve pit, subsequently discharges only 45 feet from the well bore.

Typically the air rig compressors are required to be located in the opposite direction from the blooie line and a minimum of 100 feet from the well bore. At the KMG locations, the air rig compressors are approximately 40 feet from the well bore and approximately 60 feet from the blooie line discharge due to the unique air rig design. The air compressors (see attachment) are located on the rig (1250 cfm) and on a standby trailer (1170 cfm). A booster sits between the two compressors and boosts the output from 350 psi to 2000 psi. The design does put the booster and standby compressor opposite from the blooie line.

Lastly, Onshore Order 2 addresses the need for an automatic igniter or continuous pilot light on the blooie line. The air rig does not utilize an igniter as the surface hole drilling operation does not encounter productive formations.

Conclusion

The air rig operating procedures and the attached air rig layout have effectively maintained well control while drilling the surface holes in KMG Fields. KMG respectfully requests a variance from Onshore Order 2 with respect to air drilling well control requirements as discussed above.

10. Other Information:

Please refer to the attached Drilling Program.



KERR-McGEE OIL & GAS ONSHORE LP
DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'				3,520	2,020	453,000
SURFACE	9-5/8"	0 to 2,205	36.00	J-55	LTC	0.97	1.96	7.26
PRODUCTION	4-1/2"	0 to 9,484	11.60	I-80	LTC	2.26	1.17	2.09

1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point))

2) MASP (Prod Casing) = Pore Pressure at TD - (0.22 psi/ft-partial evac gradient x TD)
 (Burst Assumptions: TD = 11.6 ppg) 0.22 psi/ft = gradient for partially evac wellbore
 (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
MASP 3,347 psi

3) Maximum Anticipated Bottom Hole Pressure (MABHP) = Pore Pressure at TD
 (Burst Assumptions: TD = 11.6 ppg) 0.59 psi/ft = bottomhole gradient
 (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
MABHP 5,613 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500'	Premium cmt + 2% CaCl + 0.25 pps flocele	215	60%	15.60	1.18
Option 1							
	TOP OUT CMT (6 jobs)	1,200'	20 gals sodium silicate + Premium cmt + 2% CaCl + 0.25 pps flocele Premium cmt + 2% CaCl	380	0%	15.60	1.18
SURFACE			NOTE: If well will circulate water to surface, option 2 will be utilized				
Option 2	LEAD	1,705'	65/35 Poz + 6% Gel + 10 pps gilsonite + 0.25 pps Flocele + 3% salt BWOW	400	35%	12.60	1.81
	TAIL	500'	Premium cmt + 2% CaCl + 0.25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	3,894'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	370	40%	11.00	3.38
	TAIL	5,590'	50/50 Poz/G + 10% salt + 2% gel + 0.1% R-3	1,370	40%	14.30	1.31

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe
PRODUCTION	Float shoe, 1 jt, float collar. No centralizers will be used.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. The BOPE will be installed before the production hole is drilled and tested to 5,000 psi (annular to 2,500 psi) prior to drilling out the surface casing shoe. Record on chart recorder and tour sheet. Function test rams on each trip. Maintain safety valve and inside BOP on rig floor at all times. Most rigs have top drives; however, if used, the Kelly is to be equipped with upper and lower kelly valves.

Surveys will be taken at 1,000' minimum intervals.

Most rigs have PVT System for mud monitoring. If no PVT is available, visual monitoring will be utilized.

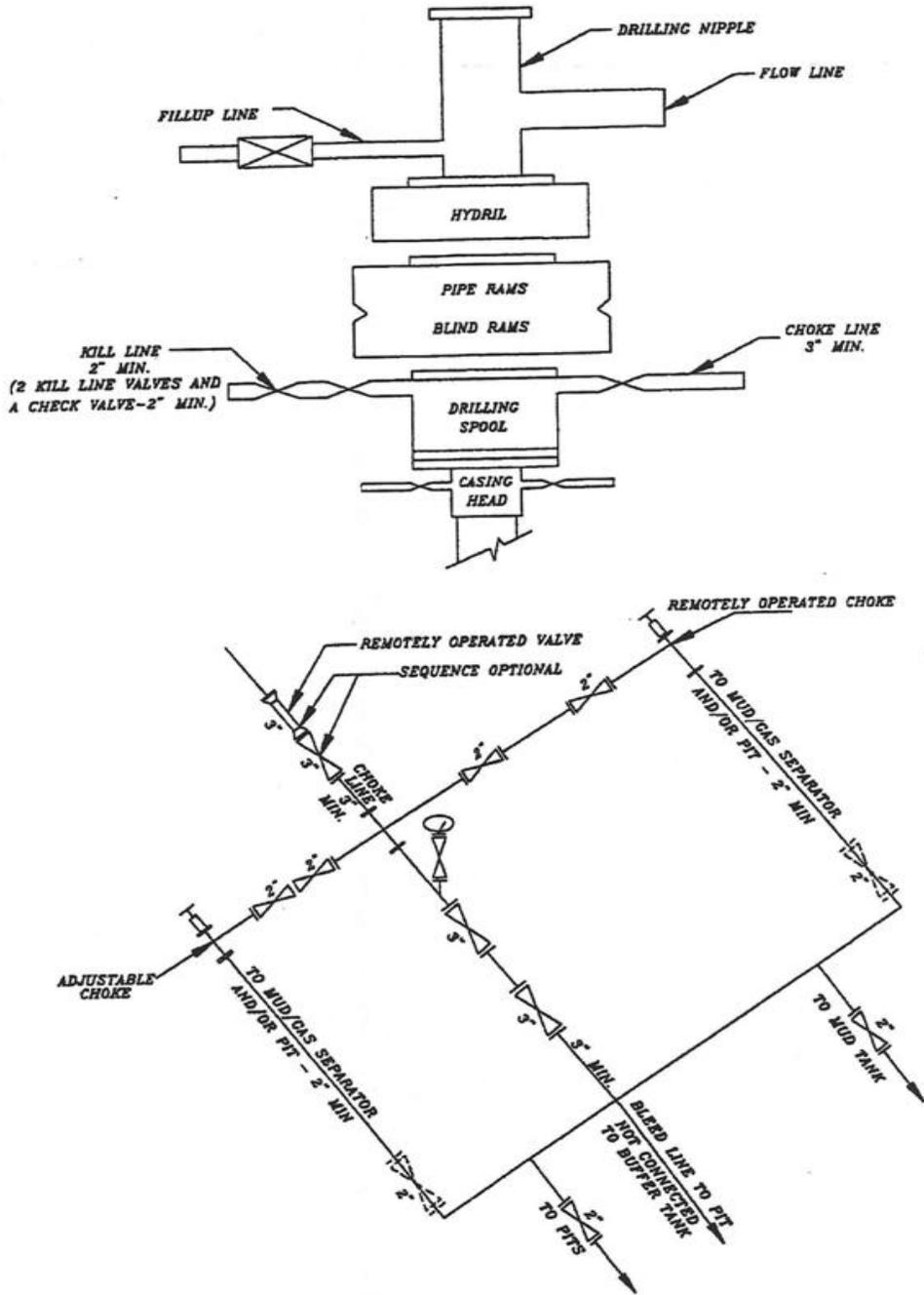
DRILLING ENGINEER: _____
John Huycke / Emile Goodwin

DATE: _____

DRILLING SUPERINTENDENT: _____
John Merkel / Lovel Young

DATE: _____

EXHIBIT A NBU 922-33E3DS



SCHEMATIC DIAGRAM OF 5,000 PSI BOP STACK

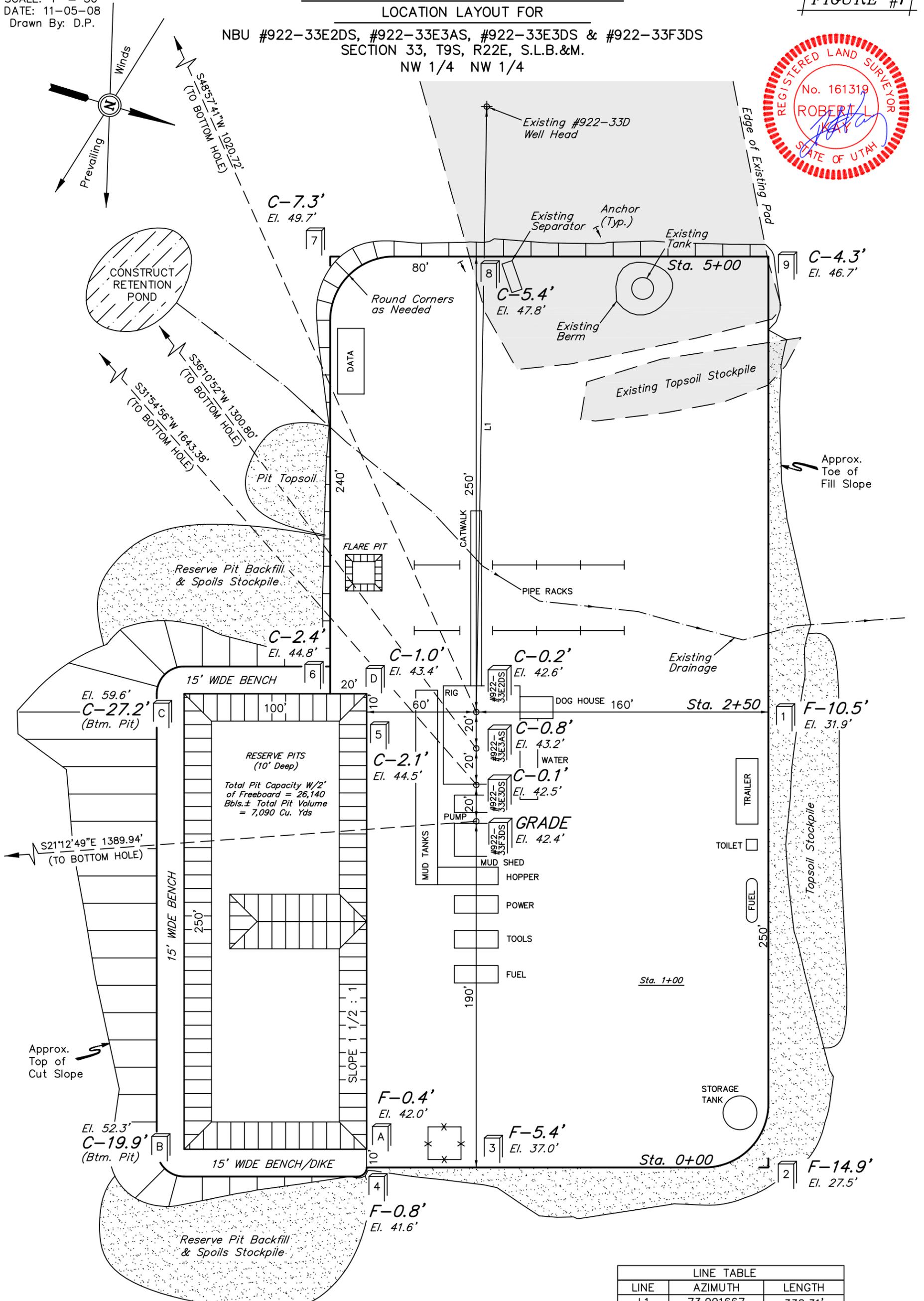
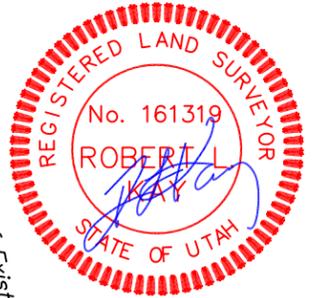
Kerr-McGee Oil & Gas Onshore LP

LOCATION LAYOUT FOR

NBU #922-33E2DS, #922-33E3AS, #922-33E3DS & #922-33F3DS
SECTION 33, T9S, R22E, S.L.B.&M.
NW 1/4 NW 1/4

FIGURE #1

SCALE: 1" = 50'
DATE: 11-05-08
Drawn By: D.P.



LINE TABLE		
LINE	AZIMUTH	LENGTH
L1	73.991667	332.31'

NAD 83 (Existing Well)	
LATITUDE =	39°59'46.15" (39.996153)
LONGITUDE =	109°27'03.87" (109.451075)
NAD 27 (Existing Well)	
LATITUDE =	39°59'46.28" (39.996189)
LONGITUDE =	109°27'01.41" (109.450392)

NOTES:

Elev. Ungraded Ground At #922-33E2DS Loc. Stake = 4942.6'
FINISHED GRADE ELEV. AT #922-33E2DS LOC. STAKE = 4942.4'

Kerr-McGee Oil & Gas Onshore LP

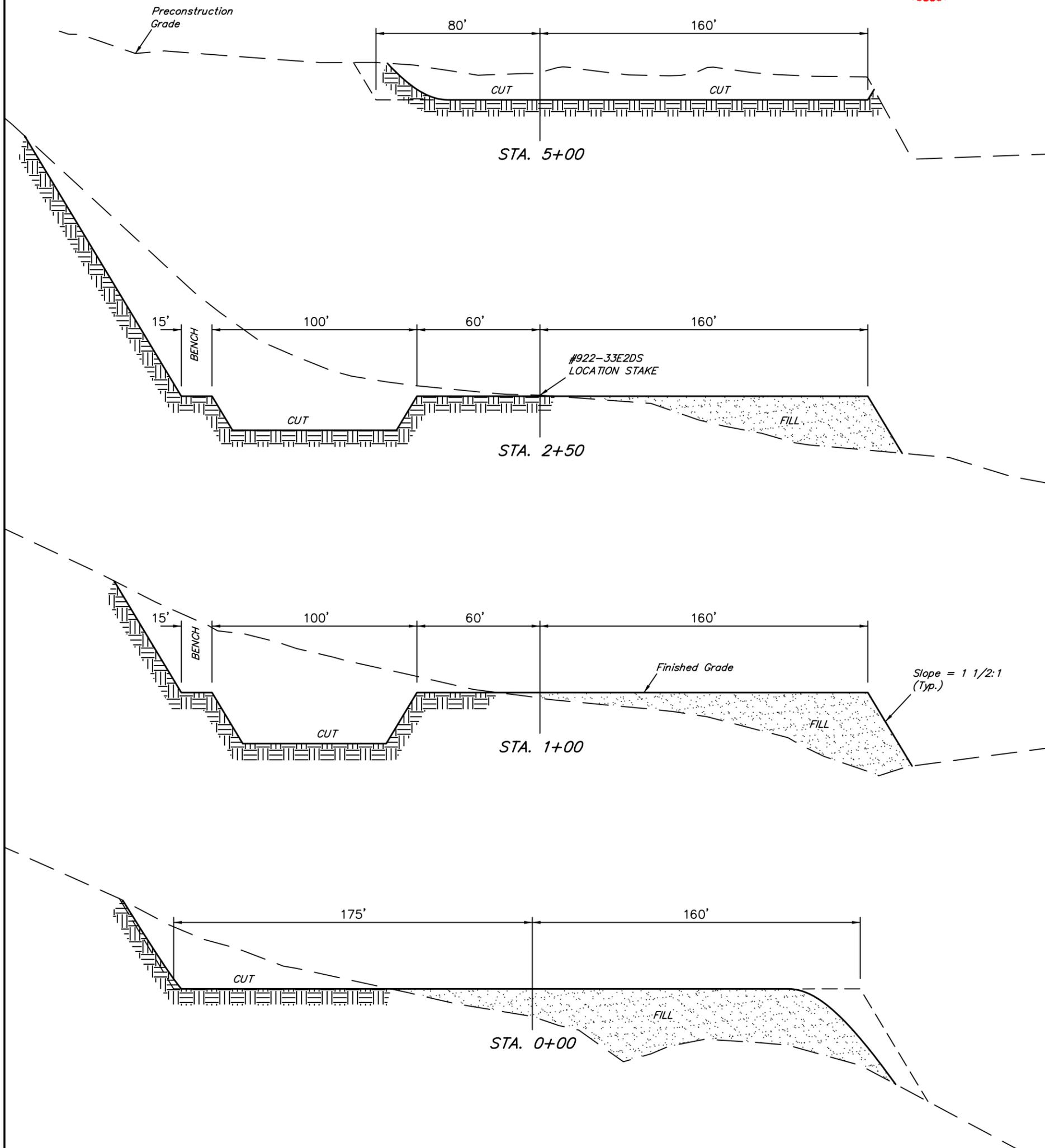
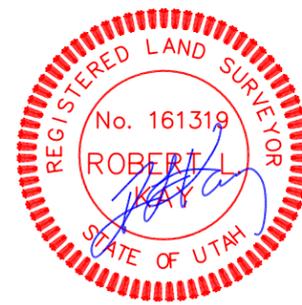
FIGURE #2

TYPICAL CROSS SECTIONS FOR

NBU #922-33E2DS, #922-33E3AS, #922-33E3DS & #922-33F3DS
SECTION 33, T9S, R22E, S.L.B.&M.
NW 1/4 NW 1/4

1" = 20'
X-Section Scale
1" = 50'

DATE: 11-05-08
Drawn By: D.P.



APPROXIMATE ACREAGES

NEW CONSTRUCTION WELL SITE DISTURBANCE = ± 4.290 ACRES
CONSTRUCTION ON EXISTING PAD WELL SITE DISTURBANCE = ± 0.278 ACRES

TOTAL = ± 4.568 ACRES

NOTE:

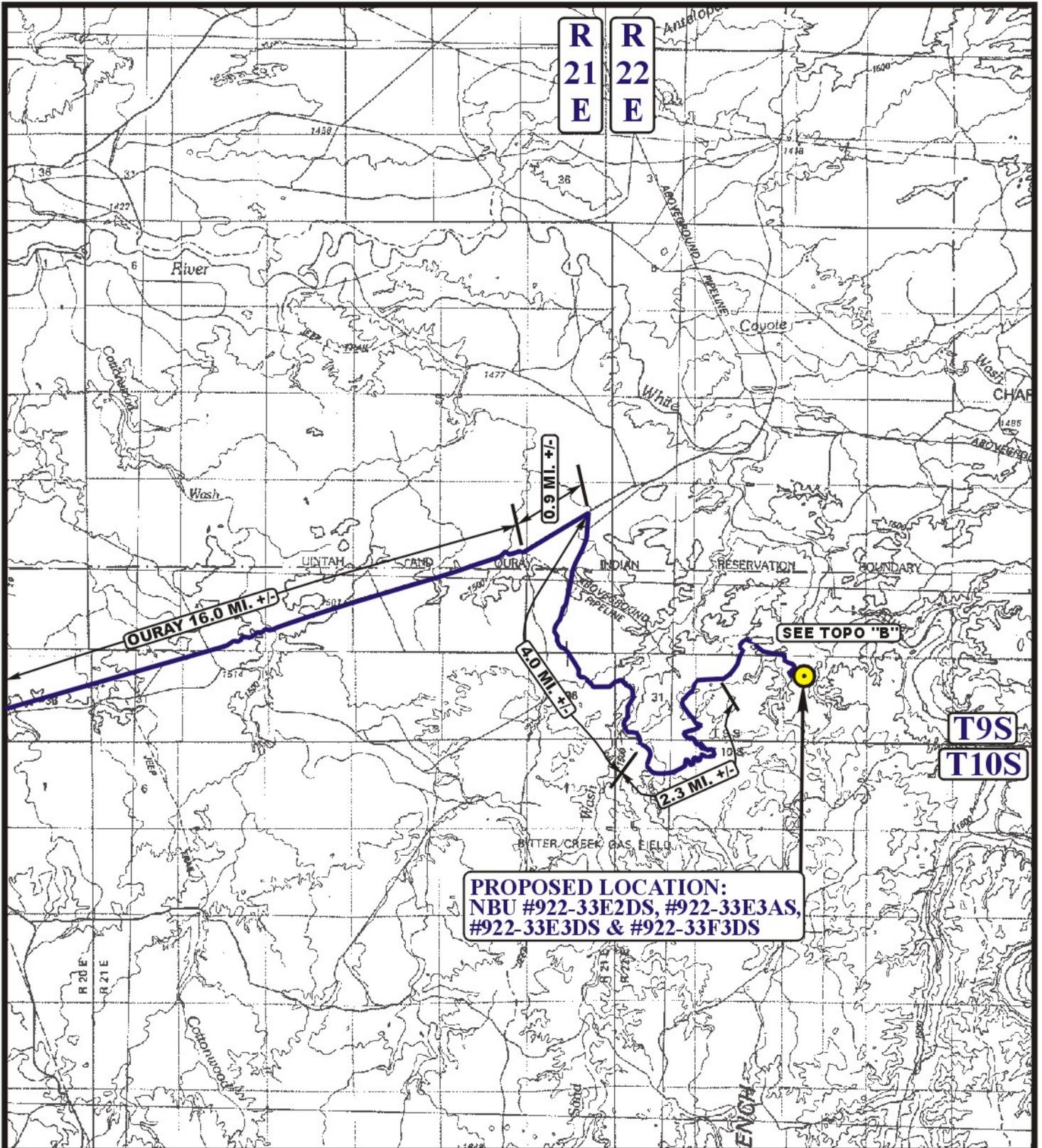
Topsoil should not be Stripped Below Finished Grade on Substructure Area.

* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

(6") Topsoil Stripping = 3,070 Cu. Yds.
(New Construction Only)
Remaining Location = 23,840 Cu. Yds.
TOTAL CUT = 26,910 CU.YDS.
FILL = 20,290 CU.YDS.

EXCESS MATERIAL = 6,620 Cu. Yds.
Topsoil & Pit Backfill = 6,620 Cu. Yds.
(1/2 Pit Vol.)
EXCESS UNBALANCE = 0 Cu. Yds.
(After Interim Rehabilitation)



LEGEND:

● PROPOSED LOCATION

Kerr-McGee Oil & Gas Onshore LP

NBU #922-33E2DS, #922-33E3AS, #922-33E3DS
& #922-33F3DS
SECTION 33, T9S, R22E, S.L.B.&M.
NW 1/4 NW 1/4



Utah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

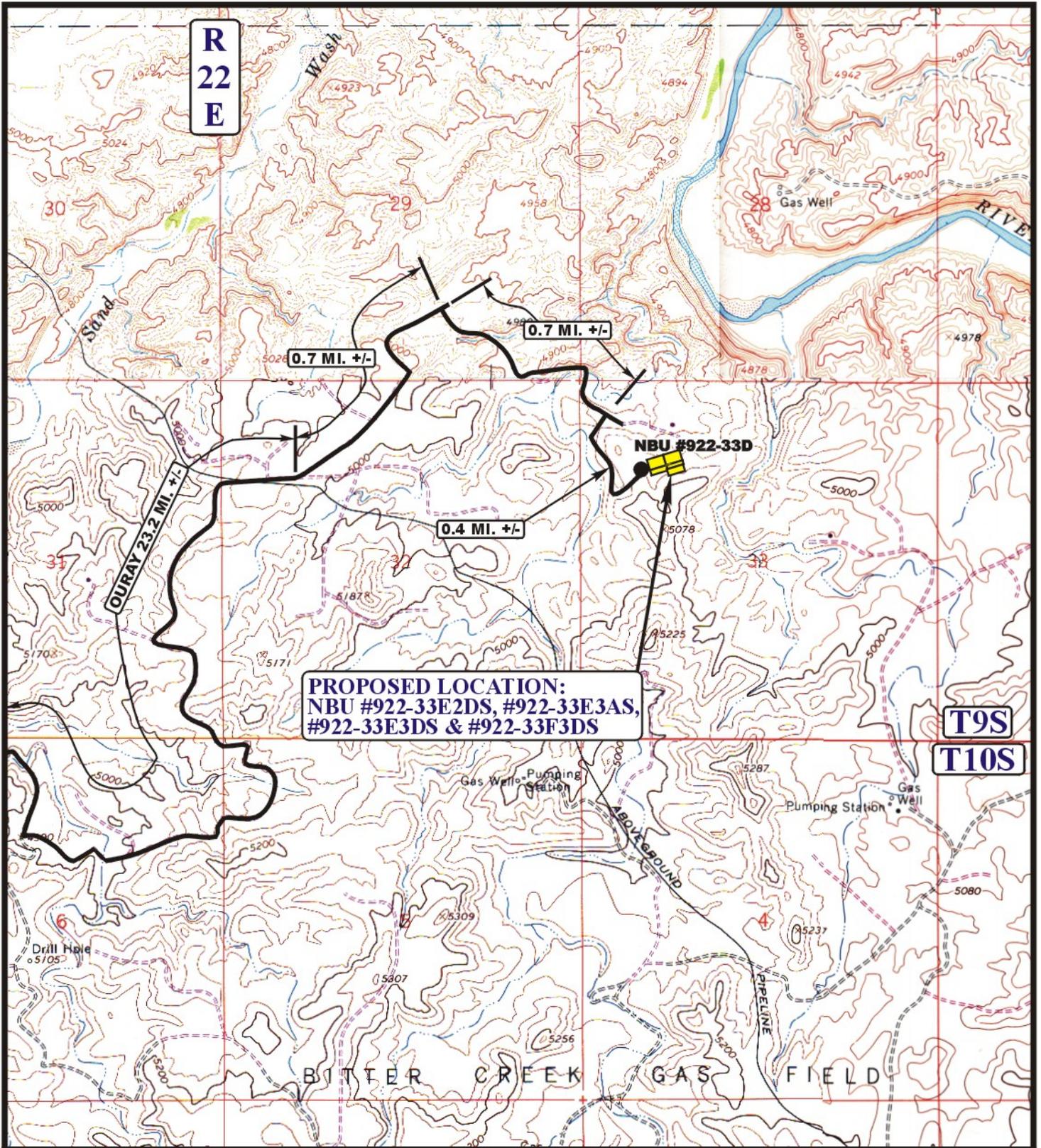


TOPOGRAPHIC
MAP

11 06 08
MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: D.P. REVISED: 00-00-00





**PROPOSED LOCATION:
 NBU #922-33E2DS, #922-33E3AS,
 #922-33E3DS & #922-33F3DS**

LEGEND:

-  EXISTING ROAD
-  PROPOSED ACCESS



Kerr-McGee Oil & Gas Onshore LP

NBU #922-33E2DS, #922-33E3AS, #922-33E3DS
 & #922-33F3DS
 SECTION 33, T9S, R22E, S.L.B.&M.
 NW 1/4 NW 1/4

U&L S Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP 11 06 08
 MONTH DAY YEAR
 SCALE: 1" = 2000' DRAWN BY: D.P. REVISED: 00-00-00

B
 TOPO



**PROPOSED LOCATION:
 NBU #922-33E2DS, #922-33E3AS,
 #922-33E3DS & #922-33F3DS**

LEGEND:

- | | |
|-------------------|-------------------------|
| ⊘ DISPOSAL WELLS | ⊕ WATER WELLS |
| ● PRODUCING WELLS | ● ABANDONED WELLS |
| ● SHUT IN WELLS | ● TEMPORARILY ABANDONED |

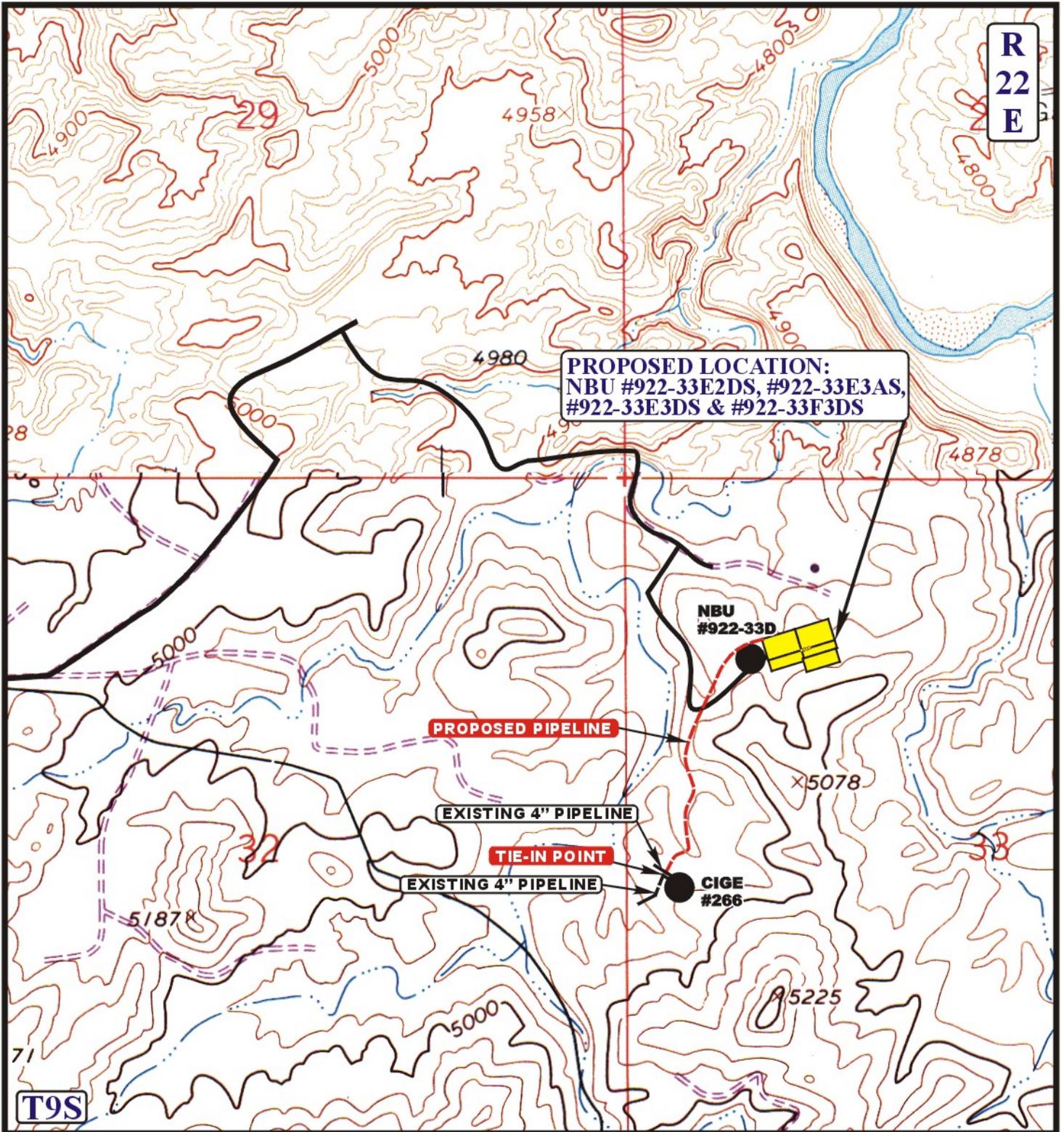


Kerr-McGee Oil & Gas Onshore LP

**NBU #922-33E2DS, #922-33E3AS, #922-33E3DS
 & #922-33F3DS
 SECTION 33, T9S, R22E, S.L.B.&M.
 NW 1/4 NW 1/4**

U&L S **Utah Engineering & Land Surveying**
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP **11 06 08**
 MONTH DAY YEAR
 SCALE: 1" = 2000' DRAWN BY: D.P. REVISED: 00-00-00 **TOPO**



APPROXIMATE TOTAL PIPELINE DISTANCE = 2,036' +/-

LEGEND:

-  EXISTING ROAD
-  EXISTING PIPELINE NEEDS UPGRADED



Kerr-McGee Oil & Gas Onshore LP

NBU #922-33E2DS, #922-33E3AS, #922-33E3DS
 & #922-33F3DS
 SECTION 33, T9S, R22E, S.L.B.&M.
 NW 1/4 NW 1/4



Utah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

11 06 08
 MONTH DAY YEAR

D
TOPO

SCALE: 1" = 1000' DRAWN BY: D.P. REV: 12-31-08 Z.L.

Kerr-McGee Oil & Gas Onshore LP

NBU #922-33E2DS, #922-33E3AS, #922-33E3DS & #922-33F3DS
LOCATED IN UINTAH COUNTY, UTAH
SECTION 33, T9S, R22E, S.L.B.&M.

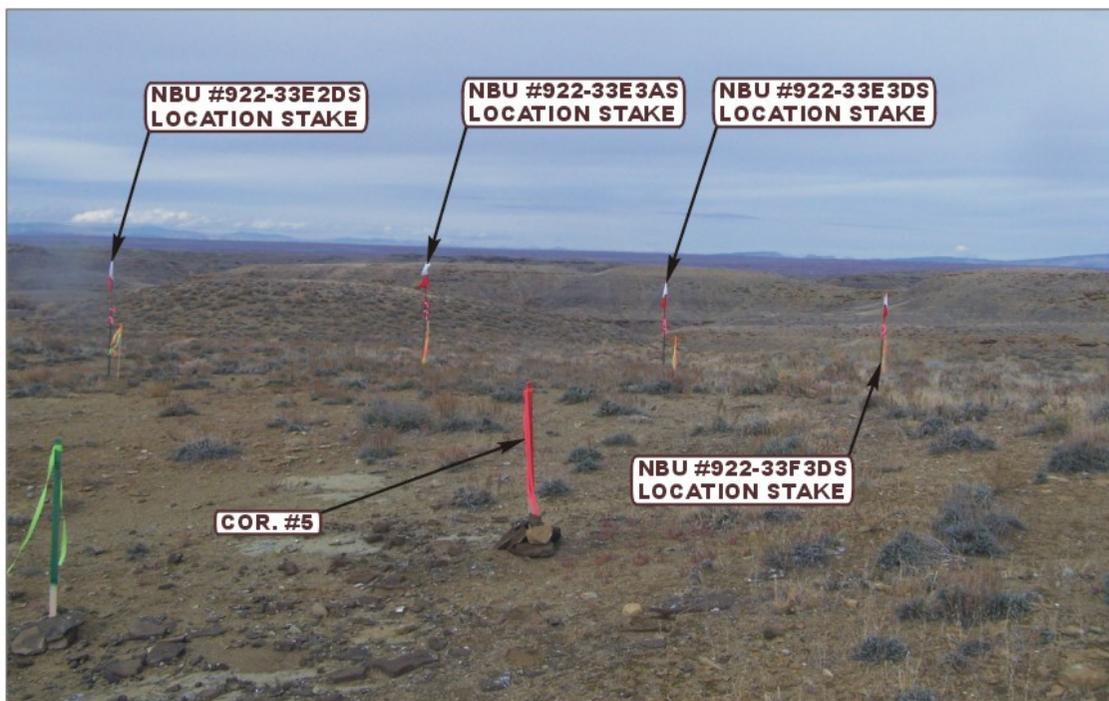


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKES

CAMERA ANGLE: NORTHERLY



PHOTO: VIEW OF EXISTING PAD

CAMERA ANGLE: EASTERLY



**U
E
L
S** Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

LOCATION PHOTOS	11	06	08	PHOTO
	MONTH	DAY	YEAR	
TAKEN BY: L.K.	DRAWN BY: D.P.	REVISED: 00-00-00		

Kerr-McGee Oil & Gas Onshore LP

NBU #922-33E2DS, #922-33E3AS, #922-33E2DS & #922-33F3DS
SECTION 33, T9S, R22E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 6.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY, THEN EASTERLY DIRECTION APPROXIMATELY 5.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 3.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 4.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY, THEN EASTERLY, THEN NORTHERLY DIRECTION APPROXIMATELY 2.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY, THEN SOUTHEASTERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 0.4 MILES PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 56.0 MILES.

NBU 922-33E2DS

Surface: 1,234' FNL, 1,257' FWL (NW/4NW/4)
BHL: 1,904' FNL 487' FWL (SW/4NW/4)

NBU 922-33E3AS

Surface: 1,229' FNL, 1,276' FWL (NW/4NW/4)
BHL: 2,278' FNL 508' FWL (SW/4NW/4)

NBU 922-33E3DS

Surface: 1,223' FNL, 1,295' FWL (NW/4NW/4)
BHL: 2,617' FNL 426' FWL (SW/4NW/4)

NBU 922-33F3DS

Surface: 1,217' FNL, 1,315' FWL (NW/4NW/4)
BHL: 2,513' FNL 1,817' FWL (SE/4NW/4)

Pad: NBU 922-33D

Uintah, Utah
Mineral Lease: UTU01191A

ONSHORE ORDER NO. 1

***MULTI-POINT SURFACE USE & OPERATIONS PLAN
SUBMITTED WITH SITE-SPECIFIC INFORMATION***

This Application for Permit to Drill (APD) is filed under the Notice of Staking (NOS) process as stated in Onshore Order No. 1 (OSO #1) and supporting Bureau of Land Management (BLM) documents. An NOS was submitted on March 17, 2009 showing the surface locations in NW/4 NW/4 of Section 33 T9S R22E.

This Surface Use Plan of Operations (SUPO) or 13-point plan provides the site-specific information for the above-referenced wells. This information is to be incorporated by reference into the Master Development Plan (MDP) for Kerr-McGee Oil & Gas Onshore LP (Kerr-McGee). The MDP is available upon request from the BLM-Vernal Field Office.

An on-site meeting was held on March 30, 2009. Present were:

- Verlyn Pindell, Dave Gordon – BLM;
- Kolby Kay – 609 Consulting, LLC
- Tony Kazeck, Raleen White, Sheila Upchego, Grizz Oleen, Hal Blanchard, Charles Chase and Jeff Samuels – Kerr-McGee.

Directional Drilling:

In accordance with Utah Oil & Gas Conservation Rule R649-3-11 pertaining to Directional Drilling, this well will be directionally drilled in order to access portions of our lease which are otherwise inaccessible due to topography.

1. Existing Roads:

- A) Refer to Topo Map A for directions to the location.
- B) Refer to Topo Maps A and B for location of access roads within a 2-mile radius.
- C) Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

2. Planned Access Roads:

See MDP for additional details on road construction.

No new access road is proposed. Please refer to the attached Topo Map B. No pipelines will be crossed with the new construction.

Existence of pipelines; maximum grade; turnouts; major cut and fills, culverts, or bridges; gates, cattle guards, fence cuts, or modifications to existing facilities were determined at the on-site and are typically shown on the attached Exhibits and Topo maps.

3. Location of Existing Wells Within a 1-Mile Radius:

Please refer to Topo Map C.

4. Location of Existing and Proposed Facilities:

See MDP for additional details on Existing and Proposed Facilities.

5. Location and Type of Water Supply:

See MDP for additional details on Location and Type of Water Supply.

Water for drilling purposes will be obtained from Dalbo Inc.'s underground well located in Ouray, Utah, Sec. 32 T4S R3E, Water User Claim number 43-8496, Application number 53617. Water will be hauled to location over the roads marked on Maps A and B.

No water well is to be drilled on this lease.

6. Source of Construction Materials:

See MDP for additional details on Source of Construction Materials.

7. Methods of Handling Waste Materials:

See MDP for additional details on Methods of Handling Waste Materials.

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites:

- RNI in Sec. 5 T9S R22E
- NBU #159 in Sec. 35 T9S R21E
- Ace Oilfield in Sec. 2 T6S R20E
- MC&MC in Sec. 12 T6S R19E
- Pipeline Facility in Sec. 36 T9S R20E
- Goat Pasture Evaporation Pond in SW/4 Sec. 16 T10S R22E
- Bonanza Evaporation Pond in Sec. 2 T10S R23E

8. **Ancillary Facilities:**

See MDP for additional details on Ancillary Facilities.

None are anticipated.

9. **Well Site Layout:** (See Location Layout Diagram)

See MDP for additional details on Well Site Layout.

All pits will be fenced according to the following minimum standards:

- Net wire (39-inch) will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.
- The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.
- Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
- Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.
- All wire shall be stretched, by using a stretching device, before it is attached to corner posts.

10. **Plans for Reclamation of the Surface:**

See MDP for additional details on Plans for Reclamation of the Surface.

11. **Surface/Mineral Ownership:**

United States of America
Bureau of Land Management
170 South 500 East
Vernal, UT 84078
(435)781-4400

12. **Other Information:**

See MDP for additional details on Other Information.

13. Lessee's or Operators' Representative & Certification:

Kathy Schneebeck Dulnoan
Regulatory Analyst
Kerr-McGee Oil & Gas Onshore LP
PO Box 173779
Denver, CO 80217-3779
(720) 929-6007

Tommy Thompson
General Manager, Drilling
Kerr-McGee Oil & Gas Onshore LP
PO Box 173779
Denver, CO 80217-3779
(720-929-6724

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under terms and conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Bureau of Land Management Nationwide Bond WYB000291.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that I have full knowledge of the State and Federal laws applicable to this operation; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.


Danielle Piernot

June 16, 2009
Date



Kerr-McGee Oil & Gas Onshore LP

1099 18th Street, Suite 1800
Denver, CO 80202-1918
P.O. Box 173779
Denver, CO 80217-3779
720-929-6000

April 8, 2009

Mrs. Diana Mason
Division of Oil, Gas and Mining
P.O. Box 145801
Salt Lake City, UT 84114-6100

Re: Directional Drilling R649-3-11
NBU 922-33E3DS
T9S-R22E
Section 33: SWNW
Surface: 1223' FNL, 1295' FWL
Bottom Hole: 2617' FNL, 426' FWL
Uintah County, Utah

Dear Mrs. Mason:

Pursuant to the filing of Kerr-McGee Oil & Gas Onshore LP's (Kerr-McGee) Application for Permit to Drill regarding the above referenced well, we are hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-11 pertaining to the Exception to Location and Siting of Wells.

- Kerr-McGee's NBU 922-33E3DS is located within the Natural Buttes Unit area.
- Kerr-McGee is permitting this well as a directional well in order to minimize surface disturbance. Locating the well at the surface location and directionally drilling from this location, Kerr-McGee will be able to utilize the existing road and pipelines in the area.
- Furthermore, Kerr-McGee certifies that it is the sole working interest owner within 460 feet of the entire directional well bore.

Therefore, based on the above stated information Kerr-McGee Oil & Gas Onshore LP requests the permit be granted pursuant to R649-3-11.

Sincerely,

KERR-MCGEE OIL & GAS ONSHORE LP

Jason K. Rayburn
Landman

A handwritten signature in blue ink, appearing to read 'Jason K. Rayburn', written over the typed name.

CLASS I REVIEW OF KERR-MCGEE OIL AND GAS
ONSHORE LP'S 46 PROPOSED WELL LOCATIONS
(T9S, R22E, SEC. 29, 30, 31, 32, 33, 34; T10S, R22E, SEC. 4)
UINTAH COUNTY, UTAH

By:

Nicole Shelnut

Prepared For:

Bureau of Land Management
Vernal Field Office
and
State of Utah
School & Institutional Trust Lands Administration

Prepared Under Contract With:

Kerr-McGee Oil and Gas Onshore LP
1368 South 1200 East
Vernal, Utah 84078

Prepared By:

Montgomery Archaeological Consultants, Inc.
P.O. Box 219
Moab, Utah 84532

MOAC Report No. 08-356

February 26, 2009

United States Department of Interior (FLPMA)
Permit No. 08-UT-60122

Public Lands Policy Coordination Office
Archaeological Survey Permit No. 117

IPC #09-06

Paleontological Reconnaissance Survey Report

Survey of Kerr McGee's Proposed Onsite Changes to "NBU #922-33E2DS, E3AS, E3DS, & F3DS" (Sec. 33, T 9S, R 22 E) & "NBU #1022-5N2, #1022-5E4BS & 5E4CS, & #1022-5J2S & 5F2S" (Sec. 5 & 8, T 10 S, R 22 E)

Archy Bench
Topographic Quadrangle
Uintah County, Utah

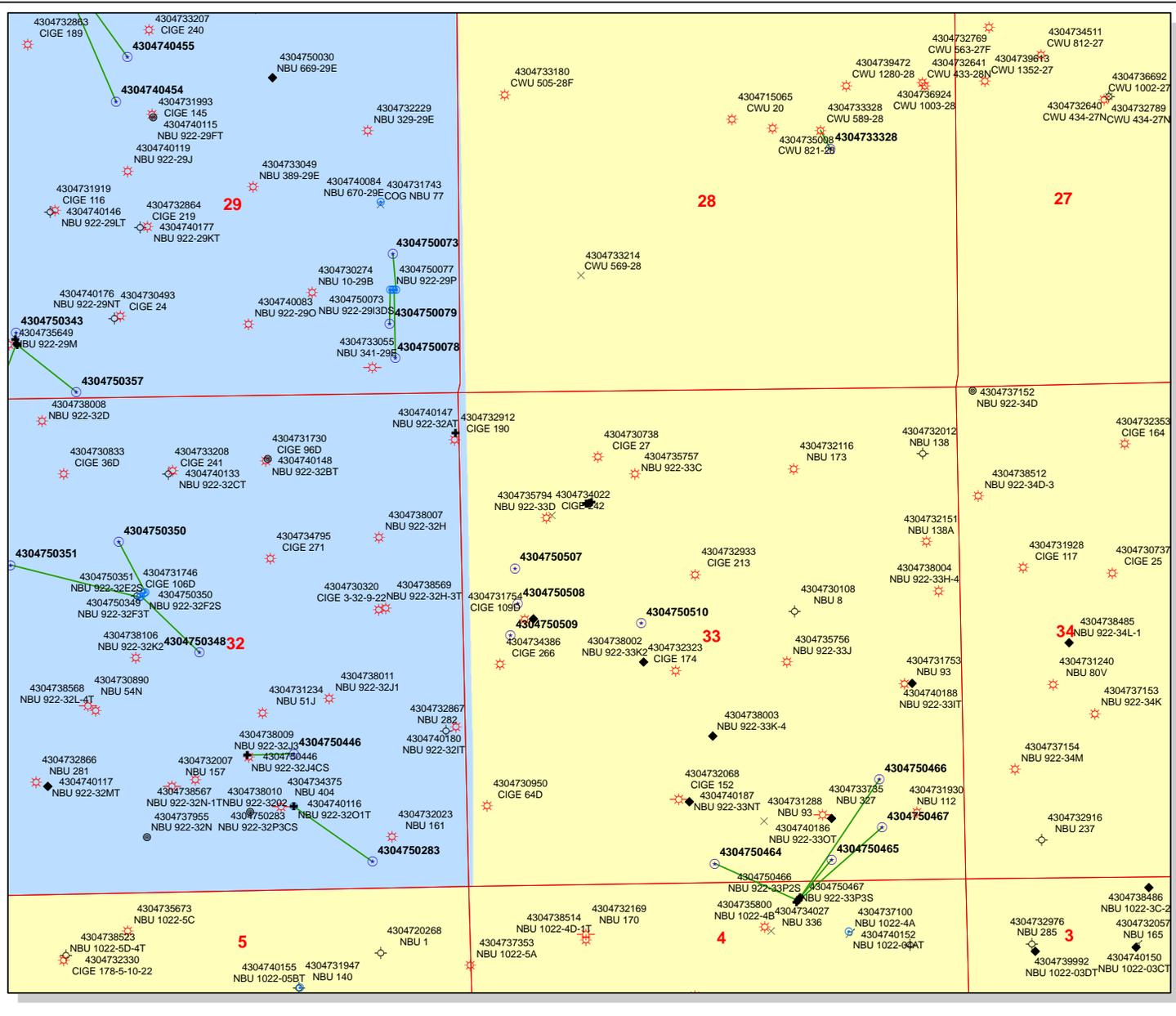
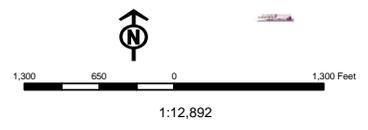
March 12, 2009

Prepared by Stephen D. Sandau
Paleontologist for
Intermountain Paleo-Consulting
P. O. Box 1125
Vernal, Utah 84078

API Number: 4304750509
Well Name: NBU 922-33E3DS
Township 09.0 S Range 22.0 E Section 33
Meridian: SLBM
 Operator: KERR-MCGEE OIL & GAS ONSHORE, L.P.

Map Prepared:
 Map Produced by Diana Mason

- Sections Wells Query Events
- call other values-
- GIS_STAT_TYPE**
- ◆ <Null>
 - ◆ APD
 - DRL
 - GI
 - ★ GS
 - × LA
 - + NEW
 - OPS
 - ◇ PA
 - ★ PGW
 - POW
 - RET
 - ★ SGW
 - SOW
 - TA
 - TW
 - WD
 - WI
 - WS



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:

**3160
(UT-922)**

June 26, 2009

Memorandum

To: Assistant District Manager Minerals, Vernal District
From: Michael Coulthard, Petroleum Engineer
Subject: 2009 Plan of Development Natural Buttes Unit Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2009 within the Natural Buttes Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ WASATCH-MESA VERDE)		
43-047-50491	NBU 1022-3L3DS	Sec 03 T10S R22E 1561 FSL 0415 FWL
	BHL	Sec 03 T10S R22E 1517 FSL 0497 FWL
43-047-50492	NBU 1022-3L4BS	Sec 03 T10S R22E 1571 FSL 0432 FWL
	BHL	Sec 03 T10S R22E 1774 FSL 0712 FWL
43-047-50493	NBU 1022-3M1DS	Sec 03 T10S R22E 1551 FSL 0397 FWL
	BHL	Sec 03 T10S R22E 0987 FSL 1229 FWL
43-047-50494	NBU 1022-3M2DS	Sec 03 T10S R22E 1541 FSL 0379 FWL
	BHL	Sec 03 T10S R22E 0907 FSL 0541 FWL
43-047-50507	NBU 922-33E2DS	Sec 33 T09S R22E 1234 FNL 1257 FWL
	BHL	Sec 33 T09S R22E 1904 FNL 0487 FWL
43-047-50508	NBU 922-33E3AS	Sec 33 T09S R22E 1229 FNL 1276 FWL
	BHL	Sec 33 T09S R22E 2278 FNL 0508 FWL
43-047-50509	NBU 922-33E3DS	Sec 33 T09S R22E 1223 FNL 1295 FWL
	BHL	Sec 33 T09S R22E 2617 FNL 0426 FWL
43-047-50510	NBU 922-33F3DS	Sec 33 T09S R22E 1217 FNL 1315 FWL
	BHL	Sec 33 T09S R22E 2513 FNL 1817 FWL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File – Natural Buttes Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:6-26-09

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 6/19/2009

API NO. ASSIGNED: 43047505090000

WELL NAME: NBU 922-33E3DS

OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P. (N2995)

PHONE NUMBER: 720 929-6156

CONTACT: Danielle Piernot

PROPOSED LOCATION: NWNW 33 090S 220E

Permit Tech Review:

SURFACE: 1223 FNL 1295 FWL

Engineering Review:

BOTTOM: 2617 FNL 0426 FWL

Geology Review:

COUNTY: UINTAH

LATITUDE: 39.99645

LONGITUDE: -109.44903

UTM SURF EASTINGS: 632403.00

NORTHINGS: 4428305.00

FIELD NAME: NATURAL BUTTES

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU 01191A

PROPOSED PRODUCING FORMATION(S): WASATCH-MESA VERDE

SURFACE OWNER: 1 - Federal

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- PLAT
- Bond: FEDERAL - WYB000291
- Potash
- Oil Shale 190-5
- Oil Shale 190-3
- Oil Shale 190-13
- Water Permit: Permit #43-8496
- RDCC Review:
- Fee Surface Agreement
- Intent to Commingle

Commingle Approved

LOCATION AND SITING:

- R649-2-3.
Unit: NATURAL BUTTES
 - R649-3-2. General
 - R649-3-3. Exception
 - Drilling Unit
Board Cause No: Cause 173-14
 - Effective Date:** 12/2/1999
 - Siting:** 460' fr u bdry & uncomm. tract
 - R649-3-11. Directional Drill
-
-

Comments: Presite Completed

Stipulations: 3 - Commingle - ddoucet
4 - Federal Approval - dmason
15 - Directional - dmason
17 - Oil Shale 190-5(b) - dmason



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: NBU 922-33E3DS
API Well Number: 43047505090000
Lease Number: UTU 01191A
Surface Owner: FEDERAL
Approval Date: 7/15/2009

Issued to:

KERR-MCGEE OIL & GAS ONSHORE, L.P., P.O. Box 173779, Denver, CO 80217

Authority:

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 173-14. The expected producing formation or pool is the WASATCH-MESA VERDE Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

Commingle:

In accordance with Board Cause No. 173-14 commingling the production from the Wasatch formation and the Mesaverde formation in this well is allowed.

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

In accordance with the Order in Cause No. 190-5(b) dated October 28, 1982, the operator shall comply with the requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operators shall ensure that the surface and or production casing is properly cemented over the entire oil shale section as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the division.

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284 (please leave a voicemail message if not available)

OR

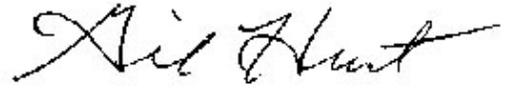
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <http://oilgas.ogm.utah.gov>

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

Approved By:



Gil Hunt
Associate Director, Oil & Gas

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 01191A
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 922-33E3DS
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047505090000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6007 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1223 FNL 1295 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 33 Township: 09.0S Range: 22.0E Meridian: S	9. FIELD and POOL or WILDCAT: NATURAL BUTTES COUNTY: UINTAH STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 7/14/2010	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: _____

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Kerr-McGee Oil & Gas Onshore, L.P. (Kerr-McGee) respectfully requests an extension to this APD for the maximum time allowed. Please contact the undersigned with any questions and/or comments. Thank you.

Approved by the Utah Division of Oil, Gas and Mining

Date: July 20, 2010

By:

NAME (PLEASE PRINT) Danielle Piernot	PHONE NUMBER 720 929-6156	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 7/14/2010	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047505090000

API: 43047505090000

Well Name: NBU 922-33E3DS

Location: 1223 FNL 1295 FWL QTR NWNW SEC 33 TWNP 090S RNG 220E MER S

Company Permit Issued to: KERR-MCGEE OIL & GAS ONSHORE, L.P.

Date Original Permit Issued: 7/15/2009

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? Yes No
- Has the approved source of water for drilling changed? Yes No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No
- Is bonding still in place, which covers this proposed well? Yes No

**Approved by the
Utah Division of
Oil, Gas and Mining**

Signature: Danielle Piernot

Date: 7/14/2010

Title: Regulatory Analyst **Representing:** KERR-MCGEE OIL & GAS ONSHORE, L.P.

Date: July 20, 2010

By: 

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 01191A
SUNDRY NOTICES AND REPORTS ON WELLS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well		8. WELL NAME and NUMBER: NBU 922-33E3DS
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		9. API NUMBER: 43047505090000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6515 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1223 FNL 1295 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 33 Township: 09.0S Range: 22.0E Meridian: S		COUNTY: UINTAH
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 7/15/2011 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	
	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>Kerr-McGee Oil & Gas Onshore, L.P. (Kerr-McGee) respectfully requests an extension to this APD for the maximum time allowed. Please contact the undersigned with any questions and/or comments. Thank you.</p>		
		<p>Approved by the Utah Division of Oil, Gas and Mining</p> <p>Date: <u>06/20/2011</u></p> <p>By: </p>
NAME (PLEASE PRINT) Gina Becker	PHONE NUMBER 720 929-6086	TITLE Regulatory Analyst II
SIGNATURE N/A		DATE 6/14/2011



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047505090000

API: 43047505090000

Well Name: NBU 922-33E3DS

Location: 1223 FNL 1295 FWL QTR NWNW SEC 33 TWNP 090S RNG 220E MER S

Company Permit Issued to: KERR-MCGEE OIL & GAS ONSHORE, L.P.

Date Original Permit Issued: 7/15/2009

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No

- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No

- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No

- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? Yes No

- Has the approved source of water for drilling changed? Yes No

- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No

- Is bonding still in place, which covers this proposed well? Yes No

Signature: Gina Becker

Date: 6/14/2011

Title: Regulatory Analyst II **Representing:** KERR-MCGEE OIL & GAS ONSHORE, L.P.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
1. TYPE OF WELL Gas Well	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 01191A
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1223 FNL 1295 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 33 Township: 09.0S Range: 22.0E Meridian: S	8. WELL NAME and NUMBER: NBU 922-33E3DS
PHONE NUMBER: 720 929-6511	9. API NUMBER: 43047505090000
9. FIELD and POOL or WILDCAT: NATURAL BUTTES	COUNTY: UINTAH
	STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 7/15/2012	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Kerr-McGee Oil & Gas Onshore, L.P. (Kerr-McGee) respectfully requests an extension to this APD for the maximum time allowed. Please contact the undersigned with any questions and/or comments. Thank you.

**Approved by the
Utah Division of
Oil, Gas and Mining**

Date: June 07, 2012
By:

NAME (PLEASE PRINT) Jenn Hawkins	PHONE NUMBER 720 929-6247	TITLE Staff Operations Specialist III
SIGNATURE N/A	DATE 6/5/2012	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047505090000

API: 43047505090000

Well Name: NBU 922-33E3DS

Location: 1223 FNL 1295 FWL QTR NWNW SEC 33 TWNP 090S RNG 220E MER S

Company Permit Issued to: KERR-MCGEE OIL & GAS ONSHORE, L.P.

Date Original Permit Issued: 7/15/2009

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? Yes No
- Has the approved source of water for drilling changed? Yes No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No
- Is bonding still in place, which covers this proposed well? Yes No

Signature: Jenn Hawkins

Date: 6/5/2012

Title: Staff Operations Specialist III Representing: KERR-MCGEE OIL & GAS ONSHORE, L.P.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 01191A
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 922-33C1CS
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047505090000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6514
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1303 FNL 0995 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 33 Township: 09.0S Range: 22.0E Meridian: S	9. FIELD and POOL or WILDCAT: NATURAL BUTTES COUNTY: UINTAH STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 1/1/2013 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The operator is requesting the approval of the following changes to the originally approved APD: 1. Change the Well Name = from NBU 922-33E3DS to NBU 922-33C1CS \ 2. Surface & Bottom Hole Location Changes (New Plat Package is Attached) \ a. SHL - From = 1223 FNL/1295 FWL To = 1303 FNL/ 995 FWL \ b. BHL - From = 2617 FNL/426 FWL To = 552 FNL/2129 FWL 3. Proposed Total Depth (New Drilling Program Attached) \ 4. Surface Hole Size & Casing Grade (New Wellbore Diagram Attached) \ 5. Change to Directional Survey Plans (Directional Drilling Survey Attached) \ 6. Surface Use Plan of Operation (Updated Plan Attached) \ 7. Updated Topos & Directions (Attached)

**Approved by the
 Utah Division of
 Oil, Gas and Mining**

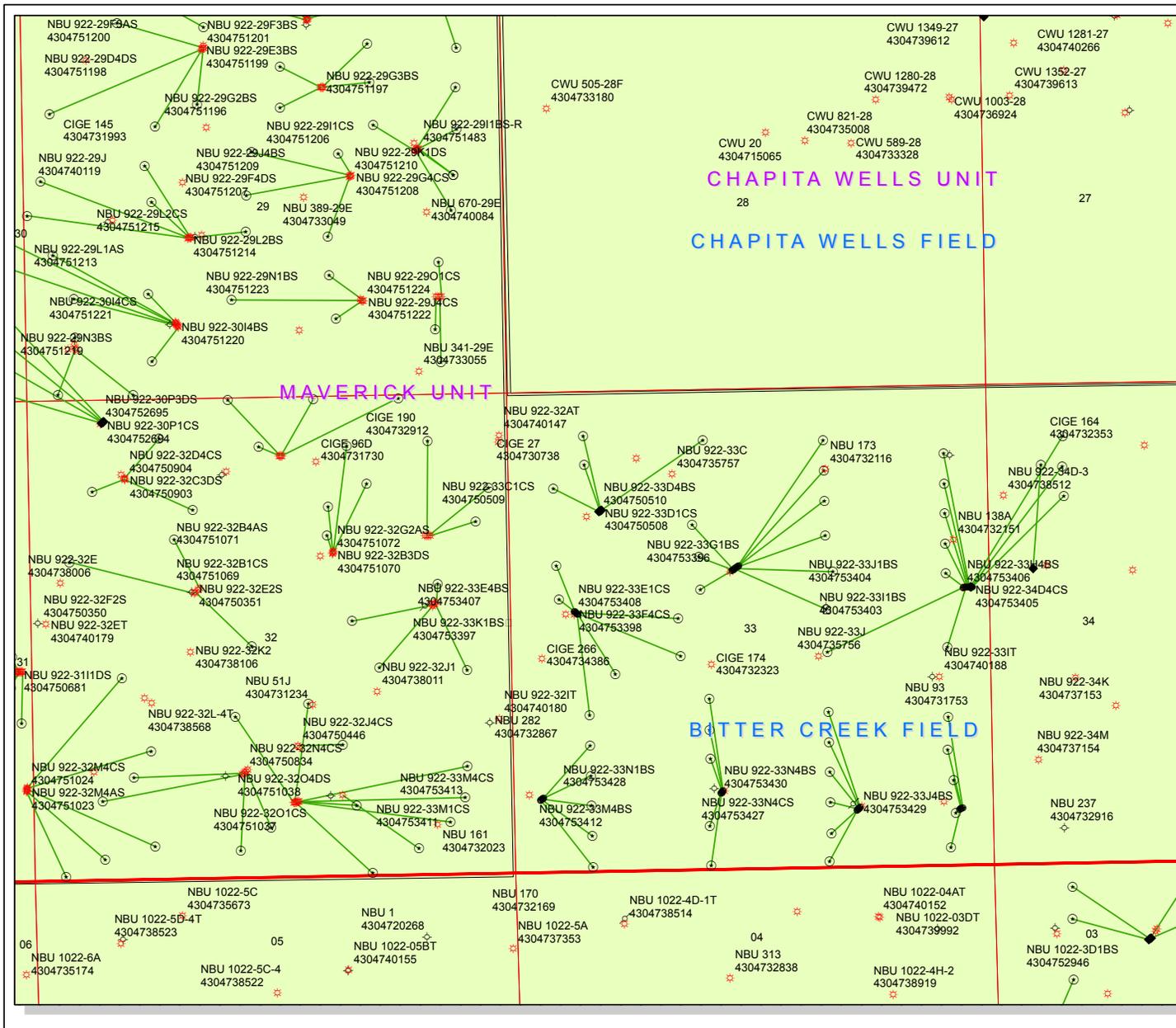
Date: December 24, 2012

By:

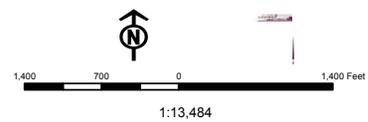
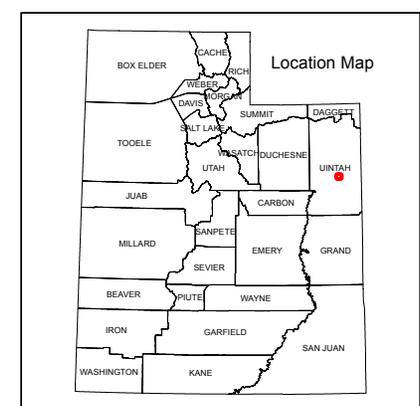
NAME (PLEASE PRINT) Gina Becker	PHONE NUMBER 720 929-6086	TITLE Regulatory Analyst II
SIGNATURE N/A	DATE 12/12/2012	

API Number: 4304750509
Well Name: NBU 922-33C1CS
 Township T09.0S Range R22.0E Section 33
 Meridian: SLBM
 Operator: KERR-MCGEE OIL & GAS ONSHORE, L.P.

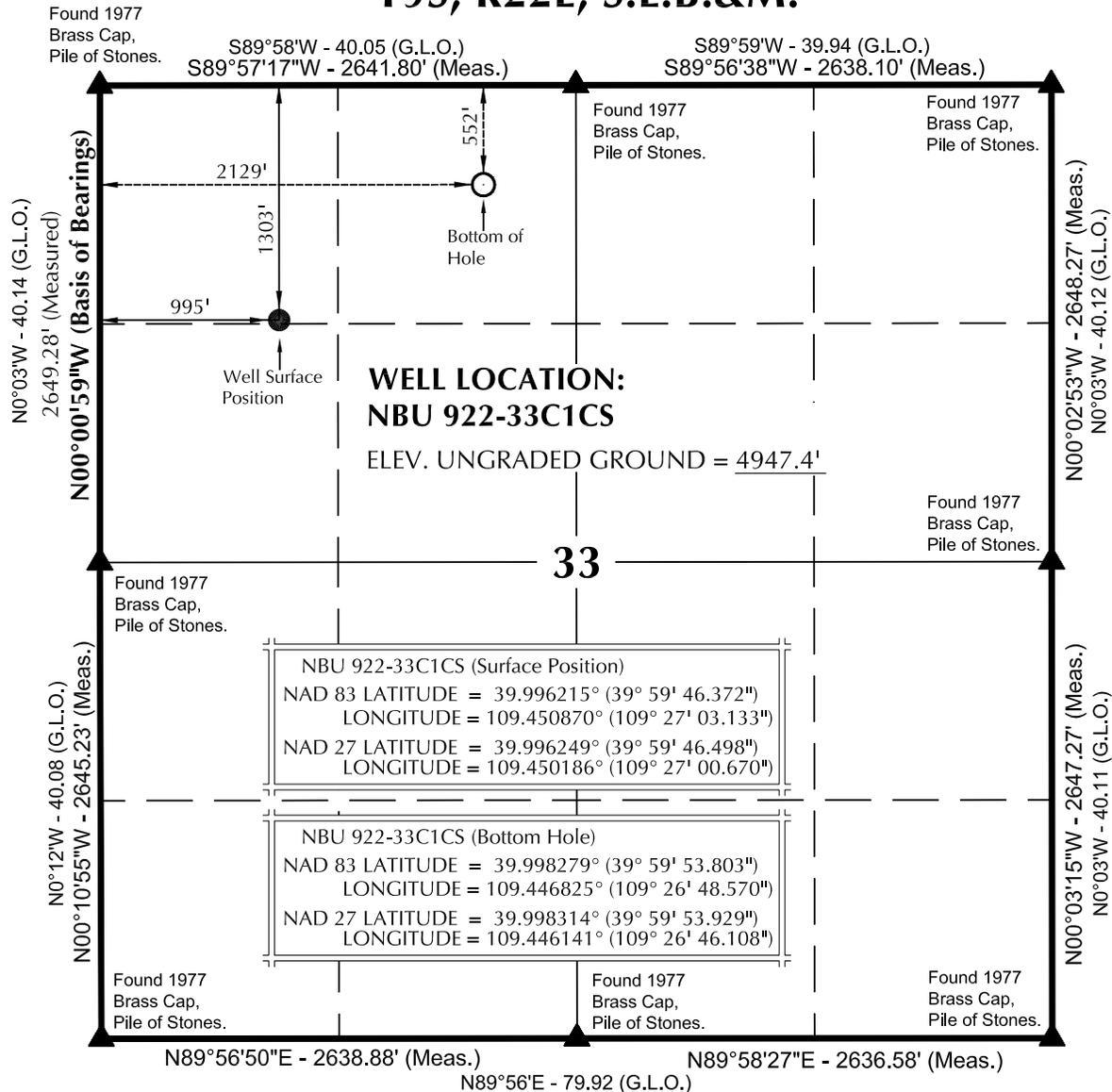
Map Prepared:
 Map Produced by Diana Mason



Units Status	Wells Query Status
ACTIVE	APD - Approved Permit
EXPLORATORY	DRIL - Spudded (Drilling Commenced)
GAS STORAGE	GIW - Gas Injection
NF PP OIL	GS - Gas Storage
NF SECONDARY	LOC - New Location
P1 OIL	OPS - Operation Suspended
PP GAS	PA - Plugged Abandoned
PP GEOTHERML	PGW - Producing Gas Well
PP OIL	POW - Producing Oil Well
SECONDARY	SGW - Shut-in Gas Well
TERMINATED	SOW - Shut-in Oil Well
Unknown	TA - Temp. Abandoned
ABANDONED	TW - Test Well
ACTIVE	WDW - Water Disposal
COMBINED	WW - Water Injection Well
INACTIVE	WSW - Water Supply Well
STORAGE	Bottom Hole Location - Oil/Gas/Br
TERMINATED	

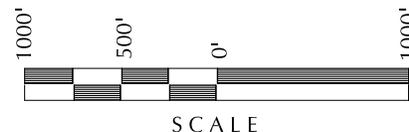


T9S, R22E, S.L.B.&M.



NOTES:

- ▲ = Section Corners Located
- 1. Well footages are measured at right angles to the Section Lines.
- 2. G.L.O. distances are shown in feet or chains.
1 chain = 66 feet.
- 3. The Bottom of hole bears N56°25'41"E 1360.47' from the Surface Position.
- 4. Bearings are based on Global Positioning Satellite observations.
- 5. Basis of elevation is Tri-Sta "Two Water" located in the NW ¼ of Section 1, T10S, R21E, S.L.B.&M. The elevation of this Tri-Sta is shown on the Big Pack Mtn NE 7.5 Min. Quadrangle as being 5238'.



SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

PROFESSIONAL LAND SURVEYOR
 No. 6028691
 JOHN R. LAUGH
 STATE OF UTAH

Kerr-McGee Oil & Gas Onshore, LP
 1099 18th Street - Denver, Colorado 80202

WELL PAD: NBU 922-33D

**NBU 922-33C1CS
 WELL PLAT**

**552' FNL, 2129' FWL (Bottom Hole)
 NE ¼ NW ¼ OF SECTION 33, T9S, R22E,
 S.L.B.&M., UTAH COUNTY, UTAH.**



CONSULTING, LLC
 2155 North Main Street
 Sheridan WY 82801
 Phone 307-674-0609
 Fax 307-674-0182

TIMBERLINE

(435) 789-1365

ENGINEERING & LAND SURVEYING, INC.
 209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE SURVEYED: 5-29-12	SURVEYED BY: A.F.	SHEET NO: 1
DATE DRAWN: 6-12-12	DRAWN BY: T.J.R.	
SCALE: 1" = 1000'		1 OF 16

Kerr-McGee Oil & Gas Onshore, LP
WELL PAD – NBU 922-33D
WELLS – NBU 922-33C1CS, NBU 922-33D1CS,
NBU 922-33D4BS & NBU 922-33D3DS
Section 33, T9S, R22E, S.L.B.&M.

From the intersection of U.S. Highway 40 and 500 East Street in Vernal, Utah, proceed in an easterly, then southerly direction along U.S. Highway 40 approximately 3.3 miles to the junction of State Highway 45; exit right and proceed in a southerly direction along State Highway 45 approximately 20.2 miles to the junction of the Glen Bench Road (County B Road 3260). Exit right and proceed in a southwesterly direction along the Glen Bench Road approximately 18.7 miles to a Class D County Road to the northeast. Exit left and proceed in a northeasterly direction along the Class D County Road approximately 0.1 miles to a second Class D County Road to the southeast. Exit right and proceed in a southeasterly direction along the second Class D County Road approximately 2.6 miles to a third Class D County Road to the east. Exit left and proceed in an easterly, then northeasterly, then easterly direction along the third Class D County Road approximately 2.2 miles to a fourth Class D County Road to the northeast. Exit left and proceed in a northeasterly direction along the fourth Class D County Road approximately 0.7 miles to a service road to the southeast. Exit right and proceed in a southeasterly direction along the service road approximately 0.8 miles to a second service road to the south. Exit right and proceed in a southerly, then easterly direction along the second service road approximately 0.3 miles to the proposed well location.

Total distance from Vernal, Utah to the proposed well location is approximately 48.9 miles in a southerly direction.

Kerr-McGee Oil & Gas Onshore. L.P.**NBU 922-33C1CS**

Surface: 1303 FNL / 995 FWL NWNW
 BHL: 552 FNL / 2129 FWL NENW

Section 33 T9S R22E

Unitah County, Utah
 Mineral Lease: UTU-01191A

ONSHORE ORDER NO. 1**DRILLING PROGRAM**

**1. & 2.a Estimated Tops of Important Geologic Markers:
Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:**

<u>Formation</u>	<u>Depth</u>	<u>Resource</u>
Uinta	0 - Surface	
Green River	1,247'	
Birds Nest	1,577'	Water
Mahogany	1,993'	Water
Wasatch	4,471'	Gas
Mesaverde	6,927'	Gas
Sego	9,171'	Gas
Castlegate	9,182'	Gas
Blackhawk	9,638'	Gas
TVD =	10,238'	
TD =	10,457'	

- 2.c** Kerr McGee Oil & Gas Onshore LP (Kerr McGee) may elect to drill to (i) the Blackhawk formation (part of the Mesaverde Group), (ii) to a shallower depth within the Mesaverde Group, or (iii) to the Wasatch Formation. If Kerr McGee drills to the Blackhawk formation, please refer to Blackhawk as the bottom formation. The attached Blackhawk Drilling Program includes Total Vertical Depth, Total Depth, and appropriate casing and cement programs for the deeper formation.

If Kerr-McGee drills to a shallower depth in the Mesaverde Group or to the Wasatch Formation, please refer to the attached Wasatch/Mesaverde Drilling Program which includes Total Vertical Depth, Total Depth, and appropriate casing and cement programs for the shallower formations.

3. Pressure Control Equipment (Schematic Attached)

Please refer to the Standard Operating Practices on file with the BLM Vernal Field Office.

4. Proposed Casing & Cementing Program:

Please refer to the attached Blackhawk Drilling Program and the Wasatch/Mesaverde Drilling Program

5. Drilling Fluids Program:

Please refer to the attached Blackhawk Drilling Program and the Wasatch/Mesaverde Drilling Program

6. Evaluation Program:

Please refer to the attached Blackhawk Drilling Program and the Wasatch/Mesaverde Drilling Program

7. Abnormal Conditions:**7.a Blackhawk (Part of Mesaverde Group)**

Maximum anticipated bottom hole pressure calculated at 10238' TVD, approximately equals
6,552 psi (0.64 psi/ft = actual bottomhole gradient)

Maximum Anticipated Bottom Hole Pressure (MABHP) = Pore Pressure at TD

Maximum anticipated surface pressure equals approximately 4,286 psi (bottom hole pressure
minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot, per Onshore Order No. 2).

Per Onshore Order No. 2 - Max Anticipated Surf. Press.(MASP) = (Pore Pressure at next csg point-
 (0.22 psi/ft-partial evac gradient x TVD of next csg point))

7.b Wasach Formation/Mesaverde Group

Maximum anticipated bottom hole pressure calculated at 9171' TVD, approximately equals
5,594 psi (0.61 psi/ft = actual bottomhole gradient)

Maximum Anticipated Bottom Hole Pressure (MABHP) = Pore Pressure at TD

Maximum anticipated surface pressure equals approximately 3,601 psi (bottom hole pressure
minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot, per Onshore Order No. 2).

Per Onshore Order No. 2 - Max Anticipated Surf. Press.(MASP) = (Pore Pressure at next csg point-
 (0.22 psi/ft-partial evac gradient x TVD of next csg point))

8. Anticipated Starting Dates:

Drilling is planned to commence immediately upon approval of this application.

9. Variiances:

Please refer to the Standard Operating Practices on file with the BLM Vernal Field Office.

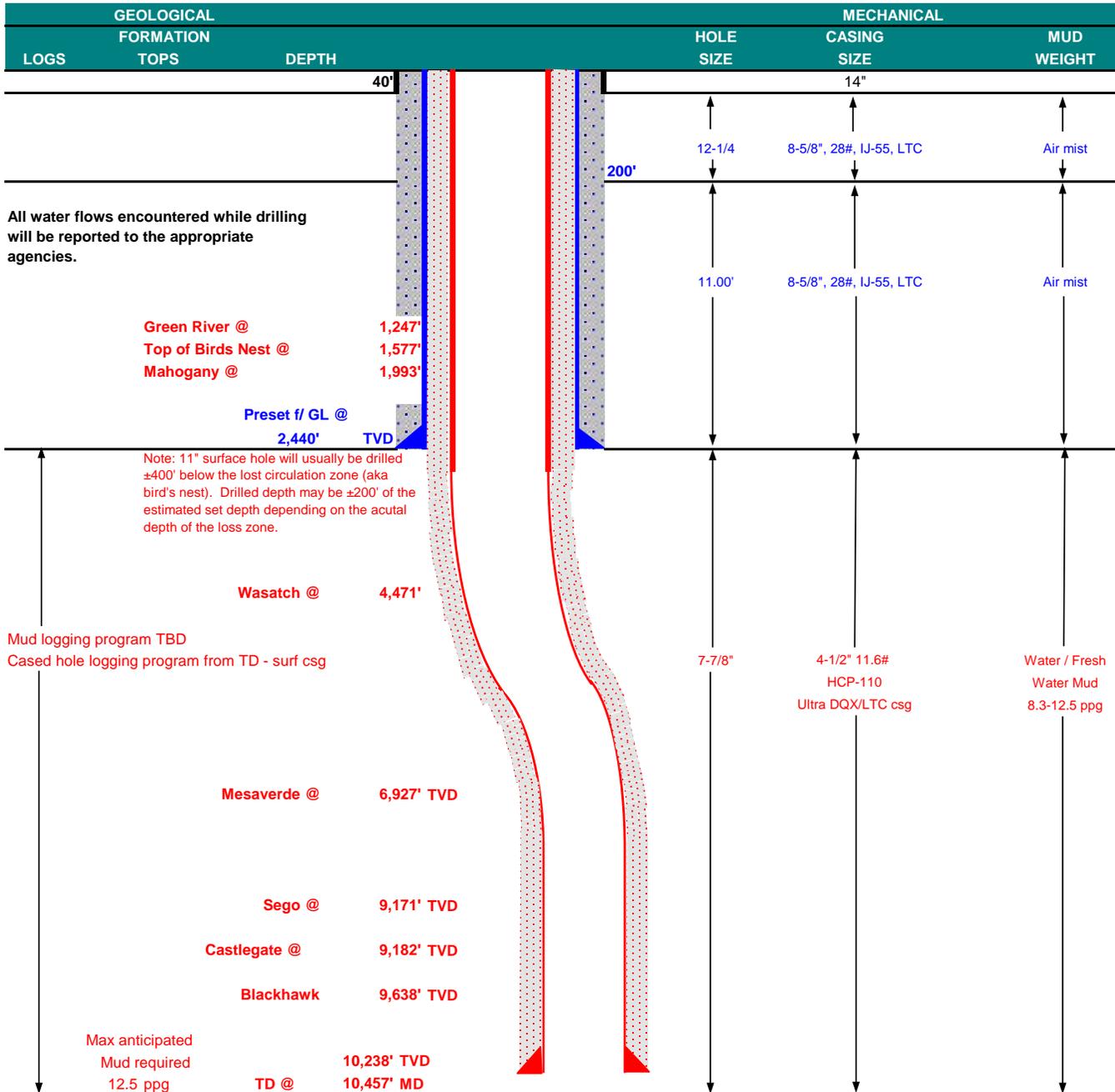
10. Other Information:

Please refer to the attached Blackhawk Drilling Program and the Wasatch/Mesaverde Drilling Program



KERR-McGEE OIL & GAS ONSHORE LP
Blackhawk Drilling Program

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP		DATE	November 7, 2012	
WELL NAME	NBU 922-33C1CS		TD	10,238'	10,457' MD
FIELD	Natural Buttes	COUNTY	Uintah	STATE	Utah
SURFACE LOCATION	NWNW	1303 FNL	995 FWL	Sec 33 T 9S	R 22E
	Latitude:	39.996215	Longitude:	-109.450870	NAD 83
BTM HOLE LOCATION	NENW	552 FNL	2129 FWL	Sec 33 T 9S	R 22E
	Latitude:	39.998279	Longitude:	-109.446825	NAD 83
OBJECTIVE ZONE(S)	BLACKHAWK (Part of the Mesaverde Group)				
ADDITIONAL INFO	Regulatory Agencies: BLM (Minerals), BLM (Surface), UDOGM Tri-County Health Dept.				





KERR-McGEE OIL & GAS ONSHORE LP
Blackhawk Drilling Program

CASING PROGRAM

						DESIGN FACTORS			
	SIZE	INTERVAL	WT.	GR.	CPLG.	BURST	COLLAPSE	LTC	DQX
								TENSION	
CONDUCTOR	14"	0-40'							
SURFACE	8-5/8"	0 to 2,440	28.00	IJ-55	LTC	3,390	1,880	348,000	N/A
						2.21	1.65	5.82	N/A
PRODUCTION	4-1/2"	0 to 5,000	11.60	HCP-110	DQX	10,690	8,650	279,000	367,174
						1.19	1.30		3.74
	4-1/2"	5,000 to 10,457'	11.60	HCP-110	LTC	1.19	1.30	5.45	

Surface Casing:

(Burst Assumptions: TD = 12.5 ppg) 0.73 psi/ft = frac gradient @ surface shoe

Fracture at surface shoe with 0.1 psi/ft gas gradient above

(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoys.Fact. of water)

Production casing:

(Burst Assumptions: Pressure test with 8.4ppg @ 9000 psi) 0.64 psi/ft = bottomhole gradient

(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoys.Fact. of water)

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE Option 1	LEAD	500'	Premium cmt + 2% CaCl + 0.25 pps flocele	180	60%	15.80	1.15
	TOP OUT CMT (6 jobs)	1,200'	20 gals sodium silicate + Premium cmt + 2% CaCl + 0.25 pps flocele	270	0%	15.80	1.15
NOTE: If well will circulate water to surface, option 2 will be utilized							
SURFACE Option 2	LEAD	1,940'	Premium cmt + 16% Gel + 10 pps gilsonite + 0.25 pps Flocele + 3% salt BWOC + GR 3 pps	240	35%	12.00	2.86
	TAIL	500'	Premium cmt + 2% CaCl + 0.25 pps flocele	150	35%	15.80	1.15
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.80	1.15
PRODUCTION	LEAD	3,967'	Premium Lite II +0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	310	35%	12.00	3.38
	TAIL	6,490'	50/50 Poz/G + 10% salt + 2% gel + 0.1% R-3	1,530	35%	14.30	1.31

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe
PRODUCTION	Float shoe, 1 jt, float collar. 15 centralizers for a Mesaverde and 20 for a Blackhawk well. 1 centralizer on the first 3 joints and one every third joint thereafter.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. The BOPE will be installed before the production hole is drilled and tested to 5,000 psi (annular to 2,500 psi) prior to drilling out the surface casing shoe. Record on chart recorder and tour sheet. Function test rams on each trip. Maintain safety valve and inside BOP on rig floor at all times. Most rigs have top drives; however, if used, the Kelly is to be equipped with upper and lower kelly valves.

Surveys will be taken at 1,000' minimum intervals.

Most rigs have PVT System for mud monitoring. If no PVT is available, visual monitoring will be utilized.

If extreme mud losses are observed OR cement doesn't reach surface on a well on the pad, a DV Tool may be used. With Cement Baskets above and Below it.

DRILLING ENGINEER:

Nick Spence / Danny Showers / Travis Hansell

DATE:

DRILLING SUPERINTENDENT:

Kenny Gathings / Lovel Young

DATE:



KERR-McGEE OIL & GAS ONSHORE LP Wasatch/Mesaverde Drilling Program

CASING PROGRAM						DESIGN FACTORS				
						LTC		DQX		
	SIZE	INTERVAL		WT.	GR.	CPLG.	BURST	COLLAPSE	TENSION	
CONDUCTOR	14"	0-40'					3,390	1,880	348,000	N/A
SURFACE	8-5/8"	0	to 2,440	28.00	IJ-55	LTC	2.21	1.65	5.82	N/A
PRODUCTION	4-1/2"	0	to 5,000	11.60	I-80	DQX	7,780	6,350		267,035
							1.11	1.11		3.00
	4-1/2"	5,000	to 9,390'	11.60	I-80	LTC	7,780	6,350	223,000	
							1.11	1.11	5.36	

Surface Casing:

(Burst Assumptions: TD = 12.0 ppg) 0.73 psi/ft = frac gradient @ surface shoe
 Fracture at surface shoe with 0.1 psi/ft gas gradient above
 (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

Production casing:

(Burst Assumptions: Pressure test with 8.4ppg @ 7000 psi) 0.61 psi/ft = bottomhole gradient
 (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500'	Premium cmt + 2% CaCl + 0.25 pps flocele	180	60%	15.80	1.15
Option 1	TOP OUT CMT (6 jobs)	1,200'	20 gals sodium silicate + Premium cmt + 2% CaCl + 0.25 pps flocele	270	0%	15.80	1.15
SURFACE	NOTE: If well will circulate water to surface, option 2 will be utilized						
Option 2	LEAD	1,940'	Premium cmt + 16% Gel + 10 pps gilsonite + 0.25 pps Flocele + 3% salt BWOC + GR 3 pps	240	35%	12.00	2.86
	TAIL	500'	Premium cmt + 2% CaCl + 0.25 pps Flocele + 3% salt BWOC + GR 3 pps	150	35%	15.80	1.15
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.80	1.15
PRODUCTION	LEAD	3,970'	Premium Lite II +0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	310	35%	12.00	3.38
	TAIL	5,420'	50/50 Poz/G + 10% salt + 2% gel + 0.1% R-3	1,280	35%	14.30	1.31

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained
 *Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe
PRODUCTION	Float shoe, 1 jt, float collar. 15 centralizers for a Mesaverde and 20 for a Blackhawk well. 1 centralizer on the first 3 joints and one every third joint thereafter.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.
 BOPE: 11" 5M with one annular and 2 rams. The BOPE will be installed before the production hole is drilled and tested to 5,000 psi (annular to 2,500 psi) prior to drilling out the surface casing shoe. Record on chart recorder and tour sheet. Function test rams on each trip. Maintain safety valve and inside BOP on rig floor at all times. Most rigs have top drives; however, if used, the Kelly is to be equipped with upper and lower kelly valves.
 Surveys will be taken at 1,000' minimum intervals.
 Most rigs have PVT System for mud monitoring. If no PVT is available, visual monitoring will be utilized.
 IF extreme mud losses are observed OR cement doesn't reach surface on a well on the pad, a DV Tool may be used. With Cement Baskets above and Below it.

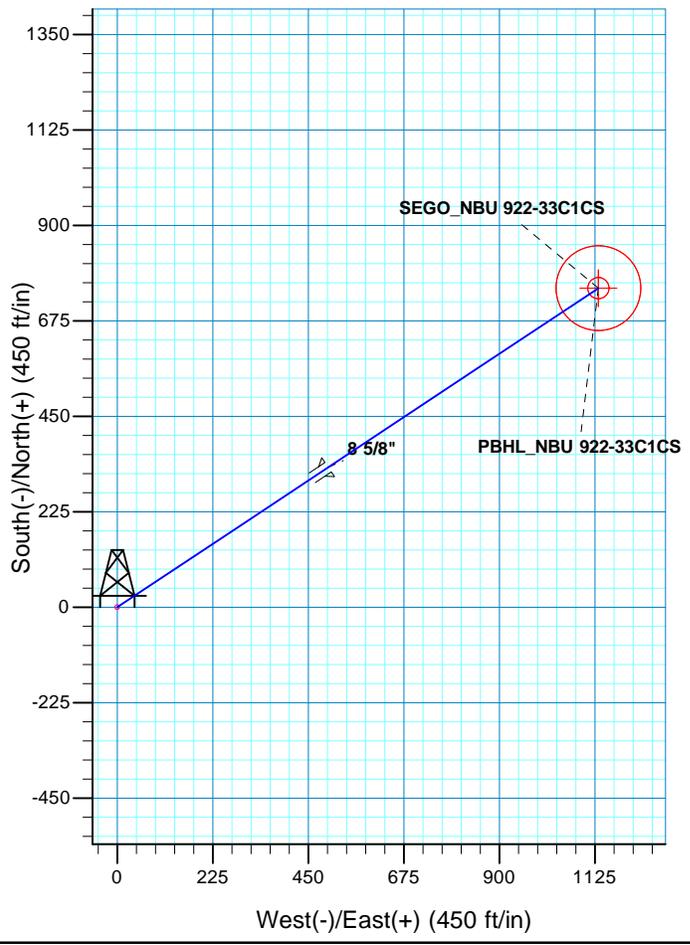
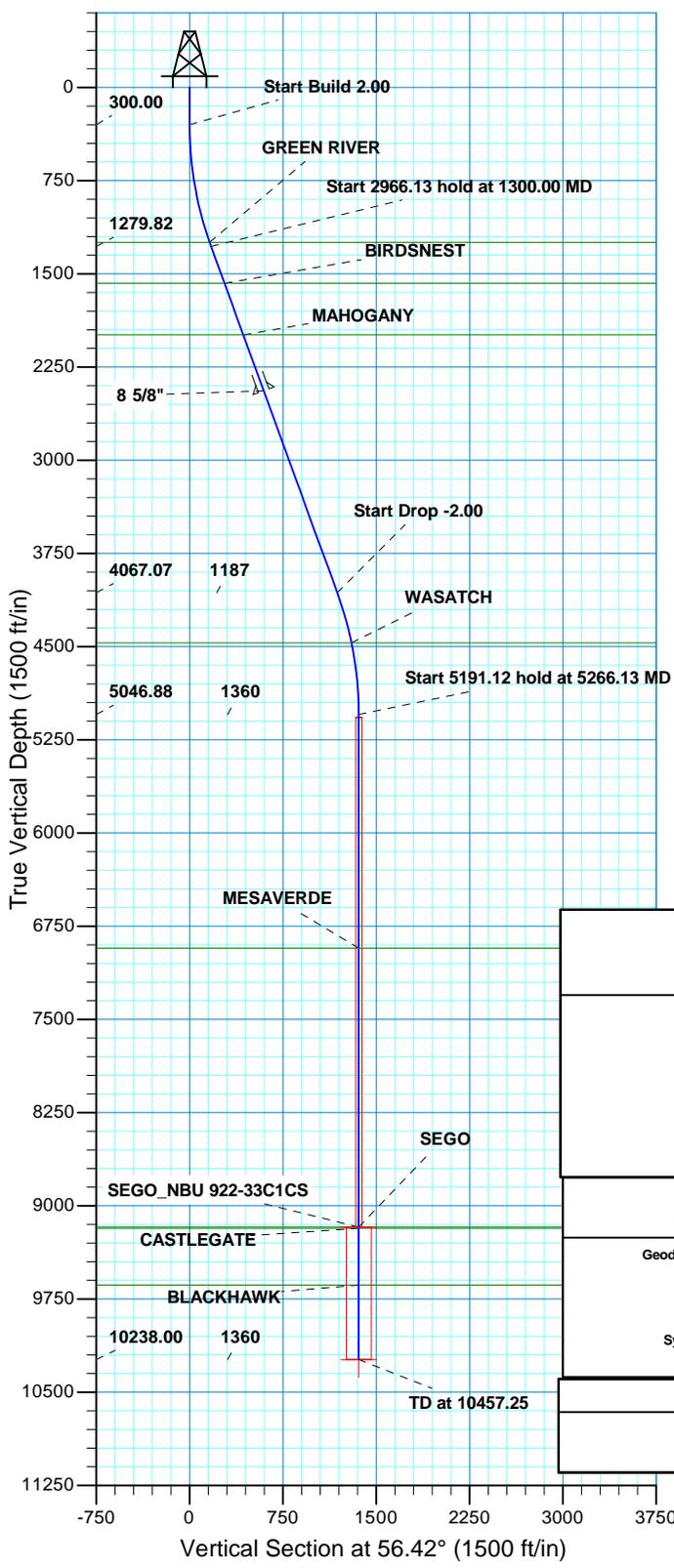
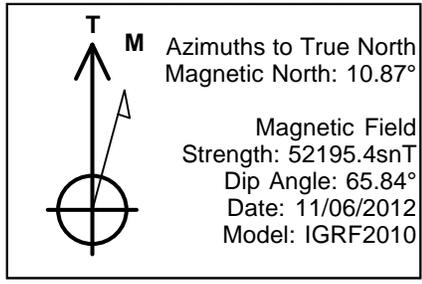
DRILLING ENGINEER: _____ **DATE:** _____
 Nick Spence / Danny Showers / Travis Hansell
DRILLING SUPERINTENDENT: _____ **DATE:** _____
 Kenny Gathings / Lovel Young



Site: NBU 922-33D PAD
Well: NBU 922-33C1CS
Wellbore: OH
Design: PLAN #1 PRELIMINARY



WELL DETAILS: NBU 922-33C1CS								
GL 4945 & KB 4 @ 4949.00ft (ASSUMED)								
+N-S	+E-W	Northing	Easting	Latitude	Longitude			
0.00	0.00	14528452.32	2074488.01	39.996249	-109.450186			
DESIGN TARGET DETAILS								
Name	TVD	+N-S	+E-W	Northing	Easting	Latitude	Longitude	Shape
SEGO	9171.00	752.13	1133.11	14529224.03	2075607.87	39.998314	-109.446141	Circle (Radius: 25.00)
- plan hits target center								
PBHL	10238.00	752.13	1133.11	14529224.03	2075607.87	39.998314	-109.446141	Circle (Radius: 100.00)
- plan hits target center								



SECTION DETAILS									
MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	VSect	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	
1300.00	20.00	56.42	1279.82	95.55	143.94	2.00	56.42	172.77	
4266.13	20.00	56.42	4067.07	656.58	989.17	0.00	0.00	1187.24	
5266.13	0.00	0.00	5046.88	752.13	1133.11	2.00	180.00	1360.01	PBHL_NBU 922-33C1CS
10457.25	0.00	0.00	10238.00	752.13	1133.11	0.00	0.00	1360.01	

PROJECT DETAILS: UTAH - UTM (feet), NAD27, Zone 12N		FORMATION TOP DETAILS		
Geodetic System: Universal Transverse Mercator (US Survey Feet)	Datum: NAD 1927 (NADCON CONUS)	TVDPath	MDPath	Formation
Ellipsoid: Clarke 1866	Zone: Zone 12N (114 W to 108 W)	1247.00	1265.15	GREEN RIVER
Location: SECTION 33 T9S R22E	System Datum: Mean Sea Level	1577.00	1616.26	BIRDSNEST
		1993.00	2058.96	MAHOGANY
		4471.00	4686.30	WASATCH
		6927.00	7146.25	MESAVERDE
		9171.00	9390.25	SEGO
		9182.00	9401.25	CASTLEGATE
		9638.00	9857.25	BLACKHAWK

CASING DETAILS			
TVD	MD	Name	Size
2443.00	2537.84	8 5/8"	8.625



US ROCKIES REGION PLANNING

UTAH - UTM (feet), NAD27, Zone 12N

NBU 922-33D PAD

NBU 922-33C1CS

OH

Plan: PLAN #1 PRELIMINARY

Standard Planning Report

06 November, 2012





SDI
Planning Report



Database:	EDM5000-RobertS-Local	Local Co-ordinate Reference:	Well NBU 922-33C1CS
Company:	US ROCKIES REGION PLANNING	TVD Reference:	GL 4945 & KB 4 @ 4949.00ft (ASSUMED)
Project:	UTAH - UTM (feet), NAD27, Zone 12N	MD Reference:	GL 4945 & KB 4 @ 4949.00ft (ASSUMED)
Site:	NBU 922-33D PAD	North Reference:	True
Well:	NBU 922-33C1CS	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1 PRELIMINARY		

Project	UTAH - UTM (feet), NAD27, Zone 12N		
Map System:	Universal Transverse Mercator (US Survey Feet)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Zone 12N (114 W to 108 W)		

Site	NBU 922-33D PAD, SECTION 33 T9S R22E				
Site Position:	Northing:	14,528,452.32 usft	Latitude:	39.996249	
From:	Lat/Long	Easting:	2,074,488.01 usft	Longitude:	-109.450186
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in	Grid Convergence:	1.00 °

Well	NBU 922-33C1CS, 1303 FNL 995 FWL					
Well Position	+N/-S	0.00 ft	Northing:	14,528,452.32 usft	Latitude:	39.996249
	+E/-W	0.00 ft	Easting:	2,074,488.01 usft	Longitude:	-109.450186
Position Uncertainty		0.00 ft	Wellhead Elevation:		Ground Level:	4,945.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	11/06/12	10.87	65.84	52,195

Design	PLAN #1 PRELIMINARY			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	56.42

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,300.00	20.00	56.42	1,279.82	95.55	143.94	2.00	2.00	0.00	56.42	
4,266.13	20.00	56.42	4,067.07	656.58	989.17	0.00	0.00	0.00	0.00	
5,266.13	0.00	0.00	5,046.88	752.13	1,133.11	2.00	-2.00	0.00	180.00	
10,457.25	0.00	0.00	10,238.00	752.13	1,133.11	0.00	0.00	0.00	0.00	PBHL_NBU 922-33C



SDI
Planning Report



Database:	EDM5000-RobertS-Local	Local Co-ordinate Reference:	Well NBU 922-33C1CS
Company:	US ROCKIES REGION PLANNING	TVD Reference:	GL 4945 & KB 4 @ 4949.00ft (ASSUMED)
Project:	UTAH - UTM (feet), NAD27, Zone 12N	MD Reference:	GL 4945 & KB 4 @ 4949.00ft (ASSUMED)
Site:	NBU 922-33D PAD	North Reference:	True
Well:	NBU 922-33C1CS	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1 PRELIMINARY		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 2.00										
400.00	2.00	56.42	399.98	0.97	1.45	1.75	2.00	2.00	2.00	0.00
500.00	4.00	56.42	499.84	3.86	5.81	6.98	2.00	2.00	2.00	0.00
600.00	6.00	56.42	599.45	8.68	13.08	15.69	2.00	2.00	2.00	0.00
700.00	8.00	56.42	698.70	15.42	23.23	27.88	2.00	2.00	2.00	0.00
800.00	10.00	56.42	797.47	24.07	36.26	43.52	2.00	2.00	2.00	0.00
900.00	12.00	56.42	895.62	34.62	52.16	62.60	2.00	2.00	2.00	0.00
1,000.00	14.00	56.42	993.06	47.06	70.90	85.10	2.00	2.00	2.00	0.00
1,100.00	16.00	56.42	1,089.64	61.37	92.46	110.98	2.00	2.00	2.00	0.00
1,200.00	18.00	56.42	1,185.27	77.54	116.82	140.21	2.00	2.00	2.00	0.00
1,265.15	19.30	56.42	1,247.00	89.06	134.18	161.05	2.00	2.00	2.00	0.00
GREEN RIVER										
1,300.00	20.00	56.42	1,279.82	95.55	143.94	172.77	2.00	2.00	2.00	0.00
Start 2966.13 hold at 1300.00 MD										
1,400.00	20.00	56.42	1,373.78	114.46	172.44	206.97	0.00	0.00	0.00	0.00
1,500.00	20.00	56.42	1,467.75	133.37	200.94	241.17	0.00	0.00	0.00	0.00
1,600.00	20.00	56.42	1,561.72	152.29	229.43	275.37	0.00	0.00	0.00	0.00
1,616.26	20.00	56.42	1,577.00	155.36	234.06	280.93	0.00	0.00	0.00	0.00
BIRDSNEST										
1,700.00	20.00	56.42	1,655.69	171.20	257.93	309.58	0.00	0.00	0.00	0.00
1,800.00	20.00	56.42	1,749.66	190.12	286.42	343.78	0.00	0.00	0.00	0.00
1,900.00	20.00	56.42	1,843.63	209.03	314.92	377.98	0.00	0.00	0.00	0.00
2,000.00	20.00	56.42	1,937.60	227.95	343.41	412.18	0.00	0.00	0.00	0.00
2,058.96	20.00	56.42	1,993.00	239.10	360.21	432.35	0.00	0.00	0.00	0.00
MAHOGANY										
2,100.00	20.00	56.42	2,031.57	246.86	371.91	446.38	0.00	0.00	0.00	0.00
2,200.00	20.00	56.42	2,125.54	265.78	400.41	480.59	0.00	0.00	0.00	0.00
2,300.00	20.00	56.42	2,219.51	284.69	428.90	514.79	0.00	0.00	0.00	0.00
2,400.00	20.00	56.42	2,313.48	303.61	457.40	548.99	0.00	0.00	0.00	0.00
2,500.00	20.00	56.42	2,407.45	322.52	485.89	583.19	0.00	0.00	0.00	0.00
2,537.84	20.00	56.42	2,443.00	329.68	496.68	596.13	0.00	0.00	0.00	0.00
8 5/8"										
2,600.00	20.00	56.42	2,501.42	341.44	514.39	617.39	0.00	0.00	0.00	0.00
2,700.00	20.00	56.42	2,595.39	360.35	542.89	651.60	0.00	0.00	0.00	0.00
2,800.00	20.00	56.42	2,689.35	379.27	571.38	685.80	0.00	0.00	0.00	0.00
2,900.00	20.00	56.42	2,783.32	398.18	599.88	720.00	0.00	0.00	0.00	0.00
3,000.00	20.00	56.42	2,877.29	417.10	628.37	754.20	0.00	0.00	0.00	0.00
3,100.00	20.00	56.42	2,971.26	436.01	656.87	788.40	0.00	0.00	0.00	0.00
3,200.00	20.00	56.42	3,065.23	454.92	685.36	822.61	0.00	0.00	0.00	0.00
3,300.00	20.00	56.42	3,159.20	473.84	713.86	856.81	0.00	0.00	0.00	0.00
3,400.00	20.00	56.42	3,253.17	492.75	742.36	891.01	0.00	0.00	0.00	0.00
3,500.00	20.00	56.42	3,347.14	511.67	770.85	925.21	0.00	0.00	0.00	0.00
3,600.00	20.00	56.42	3,441.11	530.58	799.35	959.41	0.00	0.00	0.00	0.00
3,700.00	20.00	56.42	3,535.08	549.50	827.84	993.62	0.00	0.00	0.00	0.00
3,800.00	20.00	56.42	3,629.05	568.41	856.34	1,027.82	0.00	0.00	0.00	0.00
3,900.00	20.00	56.42	3,723.02	587.33	884.84	1,062.02	0.00	0.00	0.00	0.00
4,000.00	20.00	56.42	3,816.99	606.24	913.33	1,096.22	0.00	0.00	0.00	0.00
4,100.00	20.00	56.42	3,910.95	625.16	941.83	1,130.42	0.00	0.00	0.00	0.00
4,200.00	20.00	56.42	4,004.92	644.07	970.32	1,164.63	0.00	0.00	0.00	0.00



SDI
Planning Report



Database:	EDM5000-RobertS-Local	Local Co-ordinate Reference:	Well NBU 922-33C1CS
Company:	US ROCKIES REGION PLANNING	TVD Reference:	GL 4945 & KB 4 @ 4949.00ft (ASSUMED)
Project:	UTAH - UTM (feet), NAD27, Zone 12N	MD Reference:	GL 4945 & KB 4 @ 4949.00ft (ASSUMED)
Site:	NBU 922-33D PAD	North Reference:	True
Well:	NBU 922-33C1CS	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1 PRELIMINARY		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
4,266.13	20.00	56.42	4,067.07	656.58	989.17	1,187.24	0.00	0.00	0.00	
Start Drop -2.00										
4,300.00	19.32	56.42	4,098.96	662.88	998.66	1,198.64	2.00	-2.00	0.00	
4,400.00	17.32	56.42	4,193.89	680.27	1,024.85	1,230.08	2.00	-2.00	0.00	
4,500.00	15.32	56.42	4,289.85	695.81	1,048.27	1,258.18	2.00	-2.00	0.00	
4,600.00	13.32	56.42	4,386.74	709.49	1,068.88	1,282.92	2.00	-2.00	0.00	
4,686.30	11.60	56.42	4,471.00	719.78	1,084.39	1,301.53	2.00	-2.00	0.00	
WASATCH										
4,700.00	11.32	56.42	4,484.43	721.29	1,086.66	1,304.26	2.00	-2.00	0.00	
4,800.00	9.32	56.42	4,582.81	731.20	1,101.59	1,322.17	2.00	-2.00	0.00	
4,900.00	7.32	56.42	4,681.75	739.20	1,113.64	1,336.65	2.00	-2.00	0.00	
5,000.00	5.32	56.42	4,781.13	745.29	1,122.82	1,347.66	2.00	-2.00	0.00	
5,100.00	3.32	56.42	4,880.84	749.46	1,129.10	1,355.20	2.00	-2.00	0.00	
5,200.00	1.32	56.42	4,980.76	751.70	1,132.48	1,359.25	2.00	-2.00	0.00	
5,266.13	0.00	0.00	5,046.88	752.13	1,133.11	1,360.01	2.00	-2.00	0.00	
Start 5191.12 hold at 5266.13 MD										
5,300.00	0.00	0.00	5,080.75	752.13	1,133.11	1,360.01	0.00	0.00	0.00	
5,400.00	0.00	0.00	5,180.75	752.13	1,133.11	1,360.01	0.00	0.00	0.00	
5,500.00	0.00	0.00	5,280.75	752.13	1,133.11	1,360.01	0.00	0.00	0.00	
5,600.00	0.00	0.00	5,380.75	752.13	1,133.11	1,360.01	0.00	0.00	0.00	
5,700.00	0.00	0.00	5,480.75	752.13	1,133.11	1,360.01	0.00	0.00	0.00	
5,800.00	0.00	0.00	5,580.75	752.13	1,133.11	1,360.01	0.00	0.00	0.00	
5,900.00	0.00	0.00	5,680.75	752.13	1,133.11	1,360.01	0.00	0.00	0.00	
6,000.00	0.00	0.00	5,780.75	752.13	1,133.11	1,360.01	0.00	0.00	0.00	
6,100.00	0.00	0.00	5,880.75	752.13	1,133.11	1,360.01	0.00	0.00	0.00	
6,200.00	0.00	0.00	5,980.75	752.13	1,133.11	1,360.01	0.00	0.00	0.00	
6,300.00	0.00	0.00	6,080.75	752.13	1,133.11	1,360.01	0.00	0.00	0.00	
6,400.00	0.00	0.00	6,180.75	752.13	1,133.11	1,360.01	0.00	0.00	0.00	
6,500.00	0.00	0.00	6,280.75	752.13	1,133.11	1,360.01	0.00	0.00	0.00	
6,600.00	0.00	0.00	6,380.75	752.13	1,133.11	1,360.01	0.00	0.00	0.00	
6,700.00	0.00	0.00	6,480.75	752.13	1,133.11	1,360.01	0.00	0.00	0.00	
6,800.00	0.00	0.00	6,580.75	752.13	1,133.11	1,360.01	0.00	0.00	0.00	
6,900.00	0.00	0.00	6,680.75	752.13	1,133.11	1,360.01	0.00	0.00	0.00	
7,000.00	0.00	0.00	6,780.75	752.13	1,133.11	1,360.01	0.00	0.00	0.00	
7,100.00	0.00	0.00	6,880.75	752.13	1,133.11	1,360.01	0.00	0.00	0.00	
7,146.25	0.00	0.00	6,927.00	752.13	1,133.11	1,360.01	0.00	0.00	0.00	
MESAVERDE										
7,200.00	0.00	0.00	6,980.75	752.13	1,133.11	1,360.01	0.00	0.00	0.00	
7,300.00	0.00	0.00	7,080.75	752.13	1,133.11	1,360.01	0.00	0.00	0.00	
7,400.00	0.00	0.00	7,180.75	752.13	1,133.11	1,360.01	0.00	0.00	0.00	
7,500.00	0.00	0.00	7,280.75	752.13	1,133.11	1,360.01	0.00	0.00	0.00	
7,600.00	0.00	0.00	7,380.75	752.13	1,133.11	1,360.01	0.00	0.00	0.00	
7,700.00	0.00	0.00	7,480.75	752.13	1,133.11	1,360.01	0.00	0.00	0.00	
7,800.00	0.00	0.00	7,580.75	752.13	1,133.11	1,360.01	0.00	0.00	0.00	
7,900.00	0.00	0.00	7,680.75	752.13	1,133.11	1,360.01	0.00	0.00	0.00	
8,000.00	0.00	0.00	7,780.75	752.13	1,133.11	1,360.01	0.00	0.00	0.00	
8,100.00	0.00	0.00	7,880.75	752.13	1,133.11	1,360.01	0.00	0.00	0.00	
8,200.00	0.00	0.00	7,980.75	752.13	1,133.11	1,360.01	0.00	0.00	0.00	
8,300.00	0.00	0.00	8,080.75	752.13	1,133.11	1,360.01	0.00	0.00	0.00	
8,400.00	0.00	0.00	8,180.75	752.13	1,133.11	1,360.01	0.00	0.00	0.00	
8,500.00	0.00	0.00	8,280.75	752.13	1,133.11	1,360.01	0.00	0.00	0.00	
8,600.00	0.00	0.00	8,380.75	752.13	1,133.11	1,360.01	0.00	0.00	0.00	
8,700.00	0.00	0.00	8,480.75	752.13	1,133.11	1,360.01	0.00	0.00	0.00	



SDI
Planning Report



Database:	EDM5000-RobertS-Local	Local Co-ordinate Reference:	Well NBU 922-33C1CS
Company:	US ROCKIES REGION PLANNING	TVD Reference:	GL 4945 & KB 4 @ 4949.00ft (ASSUMED)
Project:	UTAH - UTM (feet), NAD27, Zone 12N	MD Reference:	GL 4945 & KB 4 @ 4949.00ft (ASSUMED)
Site:	NBU 922-33D PAD	North Reference:	True
Well:	NBU 922-33C1CS	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1 PRELIMINARY		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,800.00	0.00	0.00	8,580.75	752.13	1,133.11	1,360.01	0.00	0.00	0.00
8,900.00	0.00	0.00	8,680.75	752.13	1,133.11	1,360.01	0.00	0.00	0.00
9,000.00	0.00	0.00	8,780.75	752.13	1,133.11	1,360.01	0.00	0.00	0.00
9,100.00	0.00	0.00	8,880.75	752.13	1,133.11	1,360.01	0.00	0.00	0.00
9,200.00	0.00	0.00	8,980.75	752.13	1,133.11	1,360.01	0.00	0.00	0.00
9,300.00	0.00	0.00	9,080.75	752.13	1,133.11	1,360.01	0.00	0.00	0.00
9,390.25	0.00	0.00	9,171.00	752.13	1,133.11	1,360.01	0.00	0.00	0.00
SEGO - SEGO_NBU 922-33C1CS									
9,400.00	0.00	0.00	9,180.75	752.13	1,133.11	1,360.01	0.00	0.00	0.00
9,401.25	0.00	0.00	9,182.00	752.13	1,133.11	1,360.01	0.00	0.00	0.00
CASTLEGATE									
9,500.00	0.00	0.00	9,280.75	752.13	1,133.11	1,360.01	0.00	0.00	0.00
9,600.00	0.00	0.00	9,380.75	752.13	1,133.11	1,360.01	0.00	0.00	0.00
9,700.00	0.00	0.00	9,480.75	752.13	1,133.11	1,360.01	0.00	0.00	0.00
9,800.00	0.00	0.00	9,580.75	752.13	1,133.11	1,360.01	0.00	0.00	0.00
9,857.25	0.00	0.00	9,638.00	752.13	1,133.11	1,360.01	0.00	0.00	0.00
BLACKHAWK									
9,900.00	0.00	0.00	9,680.75	752.13	1,133.11	1,360.01	0.00	0.00	0.00
10,000.00	0.00	0.00	9,780.75	752.13	1,133.11	1,360.01	0.00	0.00	0.00
10,100.00	0.00	0.00	9,880.75	752.13	1,133.11	1,360.01	0.00	0.00	0.00
10,200.00	0.00	0.00	9,980.75	752.13	1,133.11	1,360.01	0.00	0.00	0.00
10,300.00	0.00	0.00	10,080.75	752.13	1,133.11	1,360.01	0.00	0.00	0.00
10,400.00	0.00	0.00	10,180.75	752.13	1,133.11	1,360.01	0.00	0.00	0.00
10,457.25	0.00	0.00	10,238.00	752.13	1,133.11	1,360.01	0.00	0.00	0.00
TD at 10457.25 - PBHL_NBU 922-33C1CS									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SEGO_NBU 922-33C1C - hit/miss target - Shape	0.00	0.00	9,171.00	752.13	1,133.11	14,529,224.03	2,075,607.87	39.998314	-109.446141
SEGO_NBU 922-33C1C - plan hits target center - Circle (radius 25.00)									
PBHL_NBU 922-33C1C - hit/miss target - Shape	0.00	0.00	10,238.00	752.13	1,133.11	14,529,224.03	2,075,607.87	39.998314	-109.446141
PBHL_NBU 922-33C1C - plan hits target center - Circle (radius 100.00)									

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)	
2,537.84	2,443.00	8 5/8"	8.625	11.000	



SDI
Planning Report



Database:	EDM5000-RobertS-Local	Local Co-ordinate Reference:	Well NBU 922-33C1CS
Company:	US ROCKIES REGION PLANNING	TVD Reference:	GL 4945 & KB 4 @ 4949.00ft (ASSUMED)
Project:	UTAH - UTM (feet), NAD27, Zone 12N	MD Reference:	GL 4945 & KB 4 @ 4949.00ft (ASSUMED)
Site:	NBU 922-33D PAD	North Reference:	True
Well:	NBU 922-33C1CS	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1 PRELIMINARY		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
1,265.15	1,243.00	GREEN RIVER				
1,616.26	1,573.00	BIRDSNEST				
2,058.96	1,989.00	MAHOGANY				
4,686.30	4,467.00	WASATCH				
7,146.25	6,923.00	MESAVERDE				
9,390.25	9,167.00	SEGO				
9,401.25	9,178.00	CASTLEGATE				
9,857.25	9,634.00	BLACKHAWK				

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
300.00	300.00	0.00	0.00	Start Build 2.00	
1,300.00	1,279.82	95.55	143.94	Start 2966.13 hold at 1300.00 MD	
4,266.13	4,067.07	656.58	989.17	Start Drop -2.00	
5,266.13	5,046.88	752.13	1,133.11	Start 5191.12 hold at 5266.13 MD	
10,457.25	10,238.00	752.13	1,133.11	TD at 10457.25	

Kerr-McGee Oil & Gas Onshore. L.P.**NBU 922-33D PAD****API #4304750509****NBU 922-33C1CS**

Surface:	1303 FNL / 995 FWL	NWNW	Lot
BHL:	552 FNL / 2129 FWL	NENW	Lot

API #4304750508**NBU 922-33D1CS**

Surface:	1309 FNL / 987 FWL	NWNW	Lot
BHL:	481 FNL / 811 FWL	NWNW	Lot

API #4304750507**NBU 922-33D3DS**

Surface:	1319 FNL / 970 FWL	NWNW	Lot
BHL:	1060 FNL / 469 FWL	NWNW	Lot

API #4304750510**NBU 922-33D4BS**

Surface:	1314 FNL / 978 FWL	NWNW	Lot
BHL:	806 FNL / 815 FWL	NWNW	Lot

This Surface Use Plan of Operations (SUPO) or 13-point plan provides site-specific information for the above-referenced wells.

In accordance with Utah Oil & Gas Conservation Rule R649-3-11 pertaining to Directional Drilling, these wells will be directionally drilled. Refer to Topo Map A for directions to the location and Topo Maps A and B for location of access roads within a 2-mile radius.

An on-site meeting was held on August 16-17, 2012. Present were:

- Dave Gordon, Tyler Cox, Aaron Roe and Brian Barnett - BLM;
- Jessi Brunson - USFWS;
- Bill Knapp - ICF Consulting;
- Jacob Dunham - 609 Consulting;
- Mitch Batty - Timberline Engineering & Land Surveying, Inc.; and
- Gina Becker, Charles Chase, Lindsey Frazier, Doyle Holmes, Randy Townley and Casey McKee- Kerr-McGee

A. Existing Roads:

Please refer to the Standard Operating Practices on file at the BLM Vernal Field Office dated October 31, 2012.

Please refer to Topo B for existing roads.

B. New or Reconstructed Access Roads:

Please refer to the Standard Operating Practices on file at the BLM Vernal Field Office dated October 31, 2012.

No new access road is proposed. Please refer to Topo B.

C. Location of Existing Wells:

Please refer to Topo C for existing wells.

D. Location of Existing and/or Proposed Facilities:

Please refer to the Standard Operating Practices on file at the BLM Vernal Field Office dated October 31, 2012.

This pad will expand the existing pad for the NBU 922-33D, which is a producing gas well according to Utah Division of Oil, Gas and Mining (UDOGM) records on November 1, 2012. Gathering (pipeline) infrastructure will be utilized to collect and transport gas and fluids from the wells which are owned and operated by Kerr McGee Oil and Gas Onshore LP (Kerr-McGee).

GAS GATHERING

Please refer to Exhibit A and Topo D2- Pad and Pipeline Detail.

The total gas gathering pipeline distance from the meter to the tie in point is $\pm 1,690'$ and the individual segments are broken up as follows:

The following segments are "onlease", no ROW needed.

- $\pm 310'$ (0.06 miles) – Section 33 T9S R22E (NW/4 NW/4) – On-lease UTU-01191-A, BLM surface, New 6" buried gas gathering pipeline from the meter to the edge of the pad. Please refer to Topo D2 - Pad and Pipeline Detail.
- $\pm 1,185'$ (0.2 miles) – Section 33 T9S R22E (NW/4 NW/4) – On-lease UTU-01191-A, BLM surface, New 6" buried gas gathering pipeline from the edge of the pad to the NBU 922-33E Pad pipeline intersection. Please refer to Exhibit A Gas Gathering- Line 17 and 16.
- $\pm 195'$ (0.04 miles) – Section 33 T9S R22E (SW/4 NW/4) – On-lease UTU-01191-A, BLM surface, New 8" buried gas gathering pipeline from the NBU 922-33E Pad pipeline intersection to tie in to the existing 16" gas pipeline to the South. This pipeline will be used concurrently with the NBU 922-33E Pad. Please refer to Exhibit A Gas Gathering- Line 14.

LIQUID GATHERING

Please refer to Exhibit B and Topo D2- Pad and Pipeline Detail.

The total liquid gathering pipeline distance from the separator to the tie in point is $\pm 1,690'$ and the individual segments are broken up as follows:

The following segments are "onlease", no ROW needed.

- $\pm 310'$ (0.06 miles) – Section 33 T9S R22E (NW/4 NW/4) – On-lease UTU-01191-A, BLM surface, New 6" buried liquid gathering pipeline from the separator to the edge of the pad. Please refer to Topo D2 - Pad and Pipeline Detail.
- $\pm 1,185'$ (0.2 miles) – Section 33 T9S R22E (NW/4 NW/4) – On-lease UTU-01191-A, BLM surface, New 6" buried liquid gathering pipeline from the edge of the pad to the NBU 922-33E Pad pipeline intersection. Please refer to Exhibit B Liquid Gathering- Line 17 and Line 16.
- $\pm 195'$ (0.04 miles) – Section 33 T9S R22E (SW/4 NW/4) – On-lease UTU-01191-A, BLM surface, New 6" buried liquid gathering pipeline from the NBU 922-33E Pad pipeline intersection to tie in to the existing 6" liquid pipeline to the South. This pipeline will be used concurrently with the NBU 922-33E Pad. Please refer to Exhibit B Liquid Gathering- Line 14.

Pipeline Gathering Construction

Please refer to the Standard Operating Practices on file at the BLM Vernal Field Office dated October 31, 2012.

The Anadarko Completions Transportation System (ACTS) information:

Please refer to the Standard Operating Practices on file at the BLM Vernal Field Office dated October 31, 2012.

Please refer to Exhibit C for ACTS Lines

E. Location and Types of Water Supply:

Please refer to the Standard Operating Practices on file at the BLM Vernal Field Office dated October 31, 2012.

F. Construction Materials:

Please refer to the Standard Operating Practices on file at the BLM Vernal Field Office dated October 31, 2012.

G. Methods for Handling Waste:

Please refer to the Standard Operating Practices on file at the BLM Vernal Field Office dated October 31, 2012.

Materials Management

Please refer to the Standard Operating Practices on file at the BLM Vernal Field Office dated October 31, 2012.

H. Ancillary Facilities:

No additional ancillary facilities are planned for this location.

I. Well Site Layout:

Please refer to the Standard Operating Practices on file at the BLM Vernal Field Office dated October 31, 2012.

J. Plans for Surface Reclamation:

Please refer to the Standard Operating Practices on file at the BLM Vernal Field Office dated October 31, 2012.

Interim Reclamation

Please refer to the Standard Operating Practices on file at the BLM Vernal Field Office dated October 31, 2012.

Final Reclamation

Please refer to the Standard Operating Practices on file at the BLM Vernal Field Office dated October 31, 2012.

Measures Common to Interim and Final Reclamation

Please refer to the Standard Operating Practices on file at the BLM Vernal Field Office dated October 31, 2012.

Weed Control

Please refer to the Standard Operating Practices on file at the BLM Vernal Field Office dated October 31, 2012.

Monitoring

Please refer to the Standard Operating Practices on file at the BLM Vernal Field Office dated October 31, 2012.

K. Surface/Mineral Ownership:

United States of America
Bureau of Land Management
170 South 500 East
Vernal, UT 84078
(435)781-4400

L. Other Information:

Cultural and Paleontological Resources

Please refer to the Standard Operating Practices on file at the BLM Vernal Field Office dated October 31, 2012.

Resource Reports:

A Class I literature survey was completed on September 21, 2012 by Montgomery Archaeological Consultants, Inc (MOAC). For additional details please refer to report MOAC-12-264.

A paleontological reconnaissance survey was completed on August 28, 2012 by SWCA Environmental Consultants. For additional details please refer to report SWCA-UT12-14314-177.

Biological field survey was completed on August 25, 2012 by Grasslands Consulting, Inc (GCI). For additional details please refer to report GCI-833 and 841.

Proposed Action Annual Emissions Tables:

Please refer to the Appendix in the Standard Operating Practices on file at the BLM Vernal Field Office dated October 31, 2012.

NBU 922-33C1CS/ 922-33D1CS/ 922-33D3DS/ 922-33D4BS
Kerr-McGee Oil Gas Onshore, L.P.

Surface Use Plan of Operations
5 of 5

M. Lessee's or Operators' Representative & Certification:

Gina T. Becker
Senior Regulatory Analyst
Kerr-McGee Oil & Gas Onshore LP
PO Box 173779
Denver, CO 80217-3779
(720) 929-6086

Tommy Thompson
General Manager, Drilling
Kerr-McGee Oil & Gas Onshore LP
PO Box 173779
Denver, CO 80217-3779
(720) 929-6724

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under terms and conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Bureau of Land Management Nationwide Bond WYB000291.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that I have full knowledge of the State and Federal laws applicable to this operation; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.



Gina T. Becker

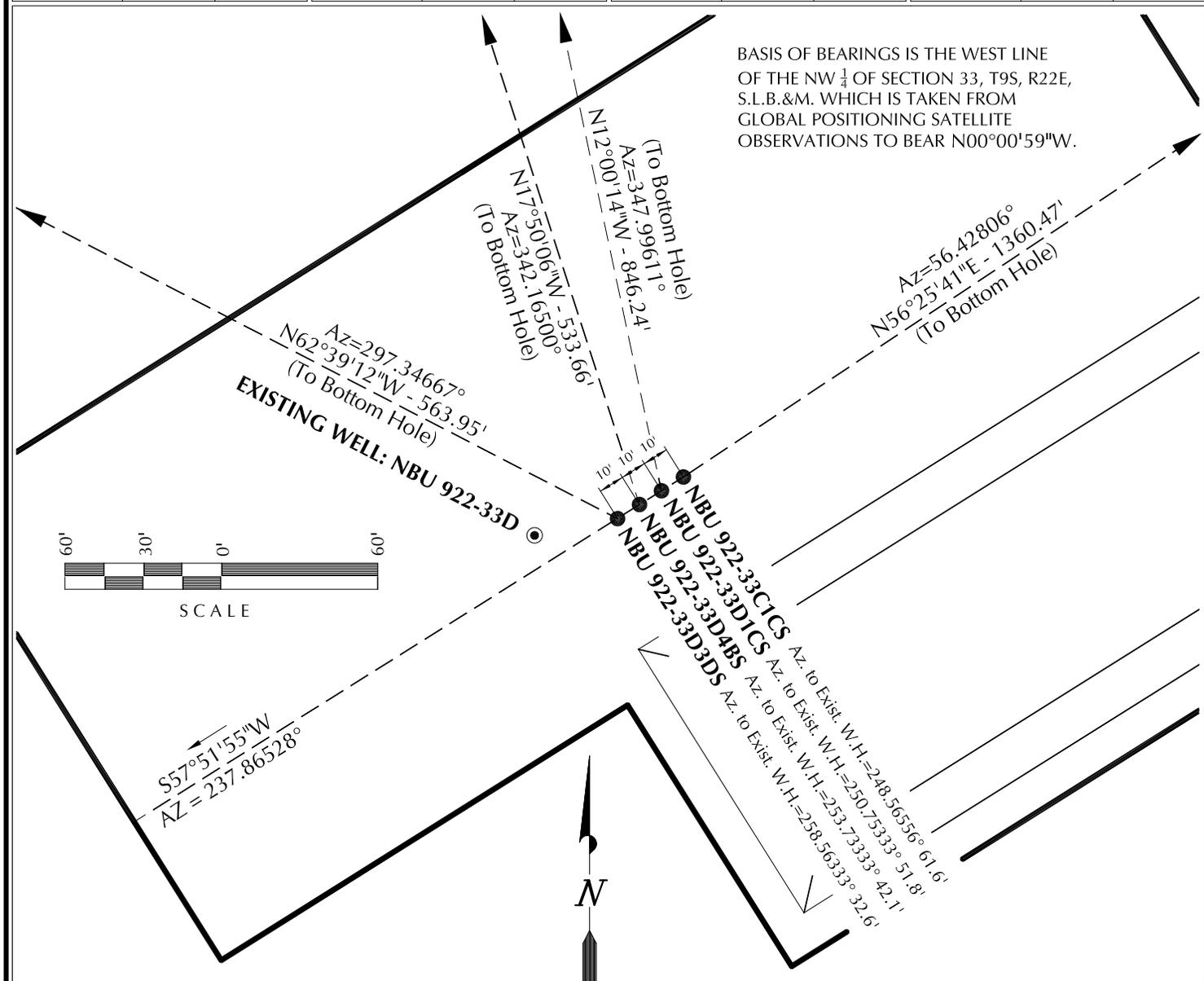
November 5, 2012

Date

WELL NAME	SURFACE POSITION					BOTTOM HOLE				
	NAD83		NAD27		FOOTAGES	NAD83		NAD27		FOOTAGES
	LATITUDE	LONGITUDE	LATITUDE	LONGITUDE		LATITUDE	LONGITUDE	LATITUDE	LONGITUDE	
NBU 922-33C1CS	39°59'46.372"	109°27'03.133"	39°59'46.498"	109°27'00.670"	1303' FNL 995' FWL	39°59'53.803"	109°26'48.570"	39°59'53.929"	109°26'46.108"	552' FNL 2129' FWL
NBU 922-33D1CS	39°59'46.319"	109°27'03.242"	39°59'46.444"	109°27'00.779"	1309' FNL 987' FWL	39°59'54.497"	109°27'05.501"	39°59'54.622"	109°27'03.038"	481' FNL 811' FWL
NBU 922-33D4BS	39°59'46.266"	109°27'03.350"	39°59'46.392"	109°27'00.888"	1314' FNL 978' FWL	39°59'51.286"	109°27'05.449"	39°59'51.411"	109°27'02.986"	806' FNL 815' FWL
NBU 922-33D3DS	39°59'46.214"	109°27'03.459"	39°59'46.339"	109°27'00.996"	1319' FNL 970' FWL	39°59'48.774"	109°27'09.893"	39°59'48.899"	109°27'07.430"	1060' FNL 469' FWL
NBU 922-33D	39°59'46.150"	109°27'03.870"	39°59'46.275"	109°27'01.407"	1326' FNL 938' FWL	39°59'46.150"	109°27'03.870"	39°59'46.275"	109°27'01.407"	

RELATIVE COORDINATES - From Surface Position to Bottom Hole

WELL NAME	NORTH	EAST									
NBU 922-33C1CS	752.3'	1133.5'	NBU 922-33D1CS	827.7'	-176.0'	NBU 922-33D4BS	508.0'	-163.4'	NBU 922-33D3DS	259.1'	-500.9'



Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street - Denver, Colorado 80202

WELL PAD - NBU 922-33D

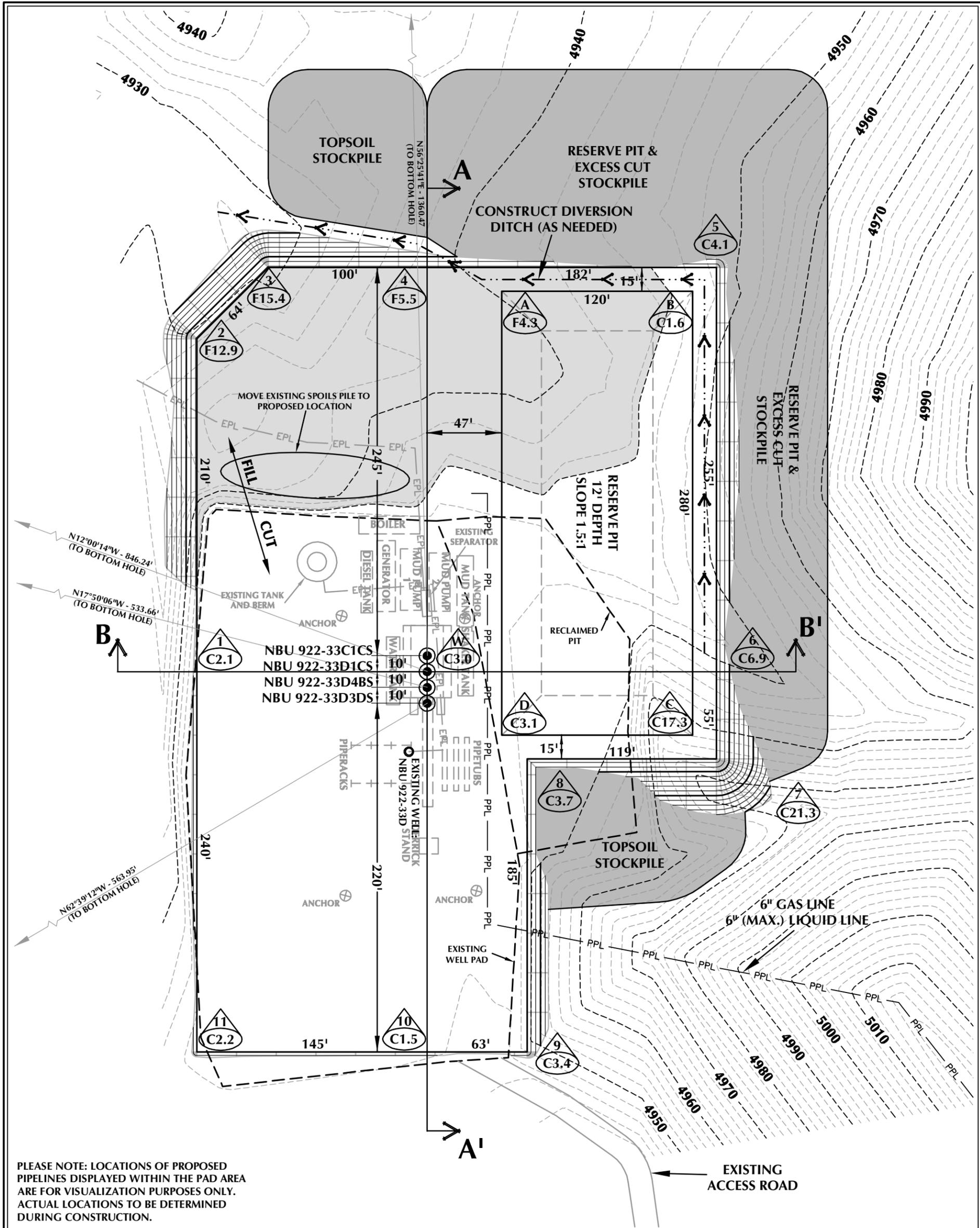
WELL PAD INTERFERENCE PLAT
WELLS - NBU 922-33C1CS, NBU 922-33D1CS,
NBU 922-33D4BS & NBU 922-33D3DS
LOCATED IN SECTION 33, T9S, R22E,
S.L.B.&M., UTAH COUNTY, UTAH.

609

CONSULTING, LLC
2155 North Main Street
Sheridan WY 82801
Phone 307-674-0609
Fax 307-674-0182

TIMBERLINE (435) 789-1365
ENGINEERING & LAND SURVEYING, INC.
209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE SURVEYED: 5-29-12	SURVEYED BY: A.F.	SHEET NO: 5
DATE DRAWN: 6-12-12	DRAWN BY: T.J.R.	
SCALE: 1" = 60'		5 OF 16



PLEASE NOTE: LOCATIONS OF PROPOSED PIPELINES DISPLAYED WITHIN THE PAD AREA ARE FOR VISUALIZATION PURPOSES ONLY. ACTUAL LOCATIONS TO BE DETERMINED DURING CONSTRUCTION.

WELL PAD - NBU 922-33D DESIGN SUMMARY

EXISTING GRADE @ CENTER OF WELL PAD = 4947.5'
 FINISHED GRADE ELEVATION = 4944.5'
 CUT SLOPES = 1.5:1
 FILL SLOPES = 1.5:1
 TOTAL WELL PAD AREA = 3.57 ACRES
 TOTAL DISTURBANCE AREA = 5.14 ACRES
 SHRINKAGE FACTOR = 1.10
 SWELL FACTOR = 1.00

Kerr-McGee Oil & Gas Onshore, LP
 1099 18th Street - Denver, Colorado 80202

WELL PAD - NBU 922-33D

WELL PAD - LOCATION LAYOUT
 NBU 922-33C1CS, NBU 922-33D1CS,
 NBU 922-33D4BS & NBU 922-33D3DS
 LOCATED IN SECTION 33, T9S, R22S,
 S.L.B.&M., UTAH COUNTY, UTAH

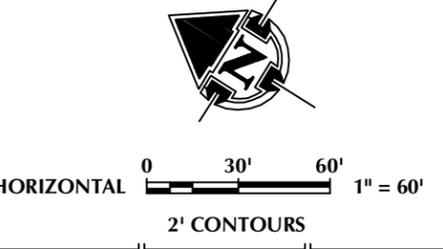


CONSULTING, LLC
 2155 North Main Street
 Sheridan, WY 82801
 Phone 307-674-0609
 Fax 307-674-0182

WELL PAD QUANTITIES
 TOTAL CUT FOR WELL PAD = 11,703 C.Y.
 TOTAL FILL FOR WELL PAD = 10,436 C.Y.
 TOPSOIL @ 6" DEPTH = 1,699 C.Y.
 EXCESS MATERIAL = 1,267 C.Y.

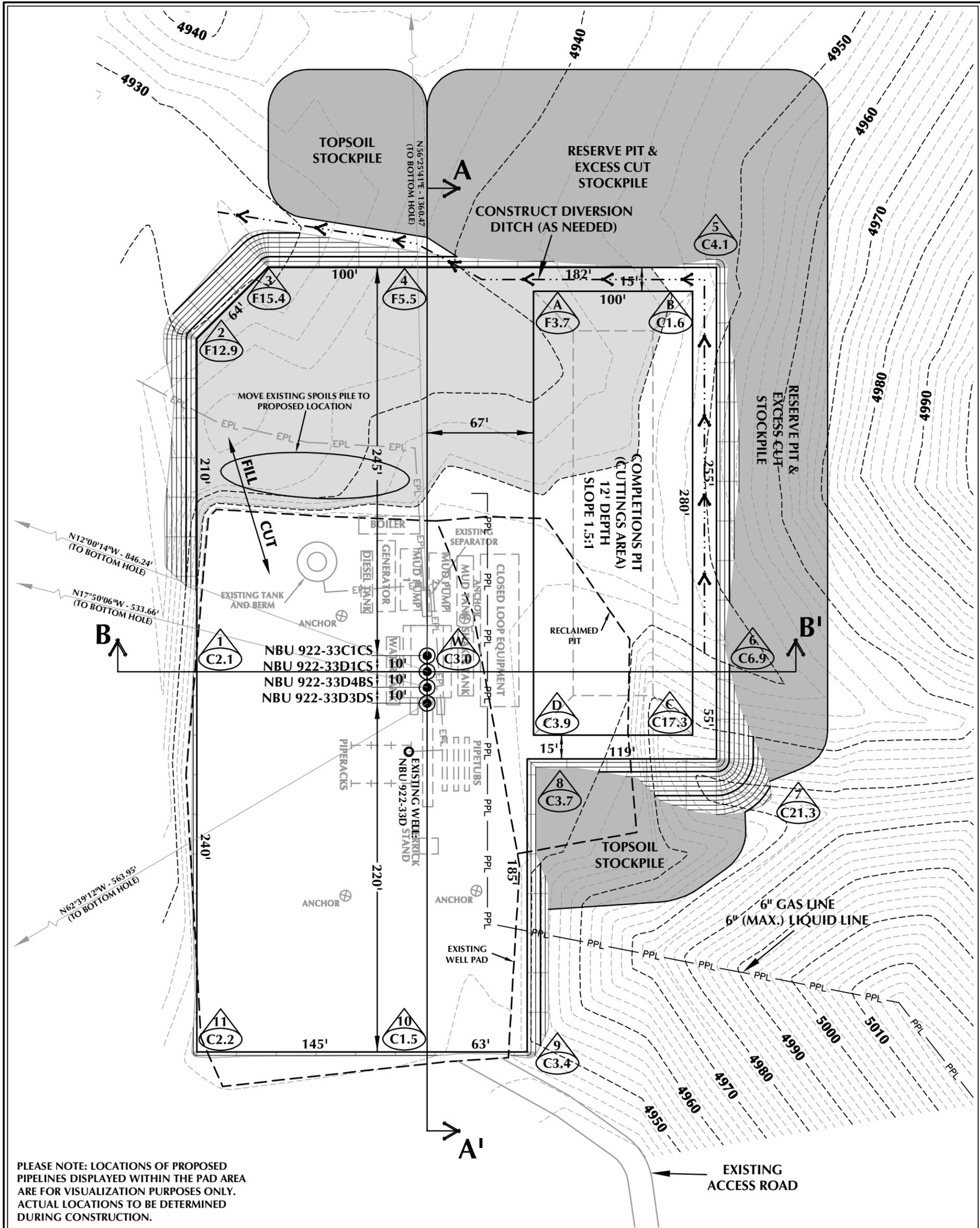
RESERVE PIT QUANTITIES
 TOTAL CUT FOR RESERVE PIT
 +/- 11,930 C.Y.
 RESERVE PIT CAPACITY (2' OF FREEBOARD)
 +/- 45,810 BARRELS

- WELL PAD LEGEND**
- EXISTING WELL LOCATION
 - PROPOSED WELL LOCATION
 - PROPOSED BOTTOM HOLE LOCATION
 - EXISTING CONTOURS (2' INTERVAL)
 - PROPOSED CONTOURS (2' INTERVAL)
 - PROPOSED PIPELINE
 - EXISTING PIPELINE



TIMBERLINE ENGINEERING & LAND SURVEYING, INC.
 209 NORTH 300 WEST - VERNAL, UTAH 84078
 (435) 789-1365

SCALE: 1"=60' DATE: 7/3/12 SHEET NO:
 REVISED: APF 8/27/12 **6** 6 OF 16



PLEASE NOTE: LOCATIONS OF PROPOSED PIPELINES DISPLAYED WITHIN THE PAD AREA ARE FOR VISUALIZATION PURPOSES ONLY. ACTUAL LOCATIONS TO BE DETERMINED DURING CONSTRUCTION.

WELL PAD - NBU 922-33D (CLOSED LOOP) DESIGN SUMMARY

EXISTING GRADE @ CENTER OF WELL PAD = 4947.5'
 FINISHED GRADE ELEVATION = 4944.5'
 CUT SLOPES = 1.5:1
 FILL SLOPES = 1.5:1
 TOTAL WELL PAD AREA = 3.57 ACRES
 TOTAL DISTURBANCE AREA = 5.14 ACRES
 SHRINKAGE FACTOR = 1.10
 SWELL FACTOR = 1.00

Kerr-McGee Oil & Gas Onshore, LP
 1099 18th Street - Denver, Colorado 80202

WELL PAD - NBU 922-33D

WELL PAD - LOCATION LAYOUT
 NBU 922-33C1CS, NBU 922-33D1CS,
 NBU 922-33D4BS & NBU 922-33D3DS
 LOCATED IN SECTION 33, T9S, R22S,
 S.L.B.&M., UTAH COUNTY, UTAH



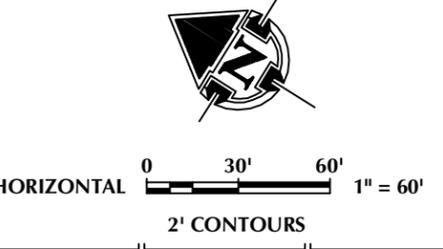
CONSULTING, LLC
 2155 North Main Street
 Sheridan, WY 82801
 Phone 307-674-0609
 Fax 307-674-0182

WELL PAD QUANTITIES
 TOTAL CUT FOR WELL PAD = 11,703 C.Y.
 TOTAL FILL FOR WELL PAD = 10,436 C.Y.
 TOPSOIL @ 6" DEPTH = 1,699 C.Y.
 EXCESS MATERIAL = 1,267 C.Y.

COMPLETIONS PIT QUANTITIES
 TOTAL CUT FOR COMPLETIONS PIT
 +/- 9,600 C.Y.
 COMPLETIONS PIT CAPACITY
 (2' OF FREEBOARD)
 +/- 36,590 BARRELS

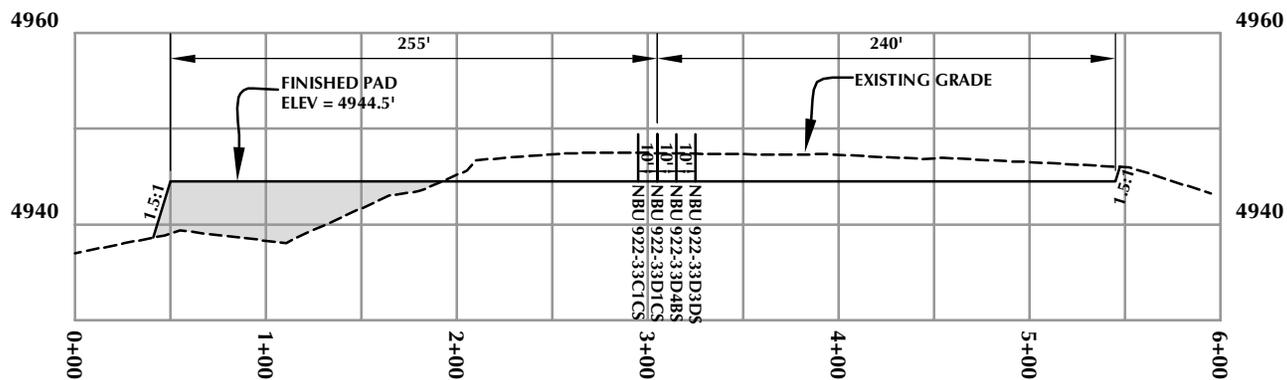
WELL PAD LEGEND

- EXISTING WELL LOCATION
- PROPOSED WELL LOCATION
- PROPOSED BOTTOM HOLE LOCATION
- EXISTING CONTOURS (2' INTERVAL)
- PROPOSED CONTOURS (2' INTERVAL)
- PROPOSED PIPELINE
- EXISTING PIPELINE

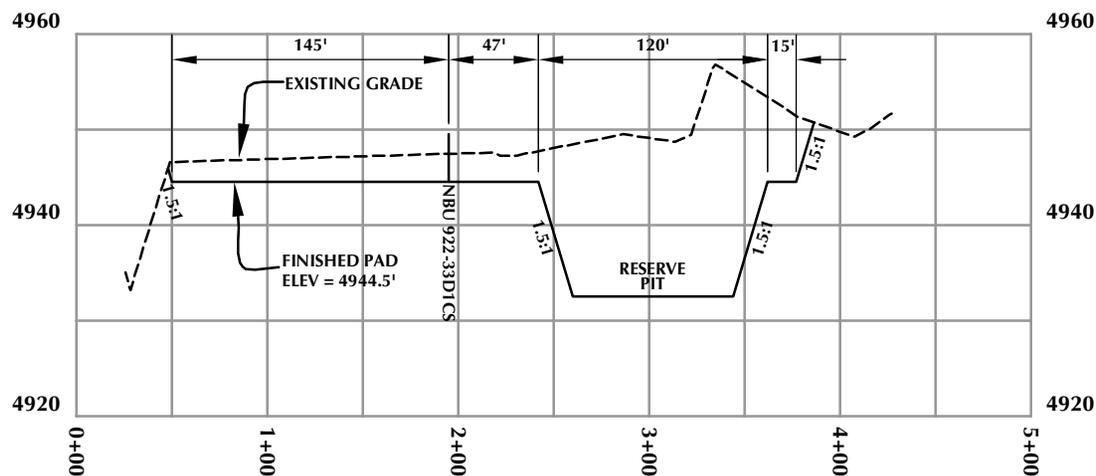


TIMBERLINE (435) 789-1365
 ENGINEERING & LAND SURVEYING, INC.
 209 NORTH 300 WEST - VERNAL, UTAH 84078

SCALE: 1"=60' DATE: 8/27/12 SHEET NO:
 REVISED: **6B** 6B OF 16



CROSS SECTION A-A'



CROSS SECTION B-B'

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street - Denver, Colorado 80202

WELL PAD - NBU 922-33D

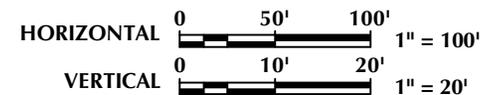
WELL PAD - CROSS SECTIONS
NBU 922-33C1CS, NBU 922-33D1CS,
NBU 922-33D4BS & NBU 922-33D3DS
LOCATED IN SECTION 33, T9S, R22S,
S.L.B.&M., Uintah County, Utah



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Sheridan, WY 82801
Phone 307-674-0609
Fax 307-674-0182

TIMBERLINE
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209 NORTH 300 WEST - VERNAL, UTAH 84078

(435) 789-1365



Scale: 1"=100'

Date: 6/21/12

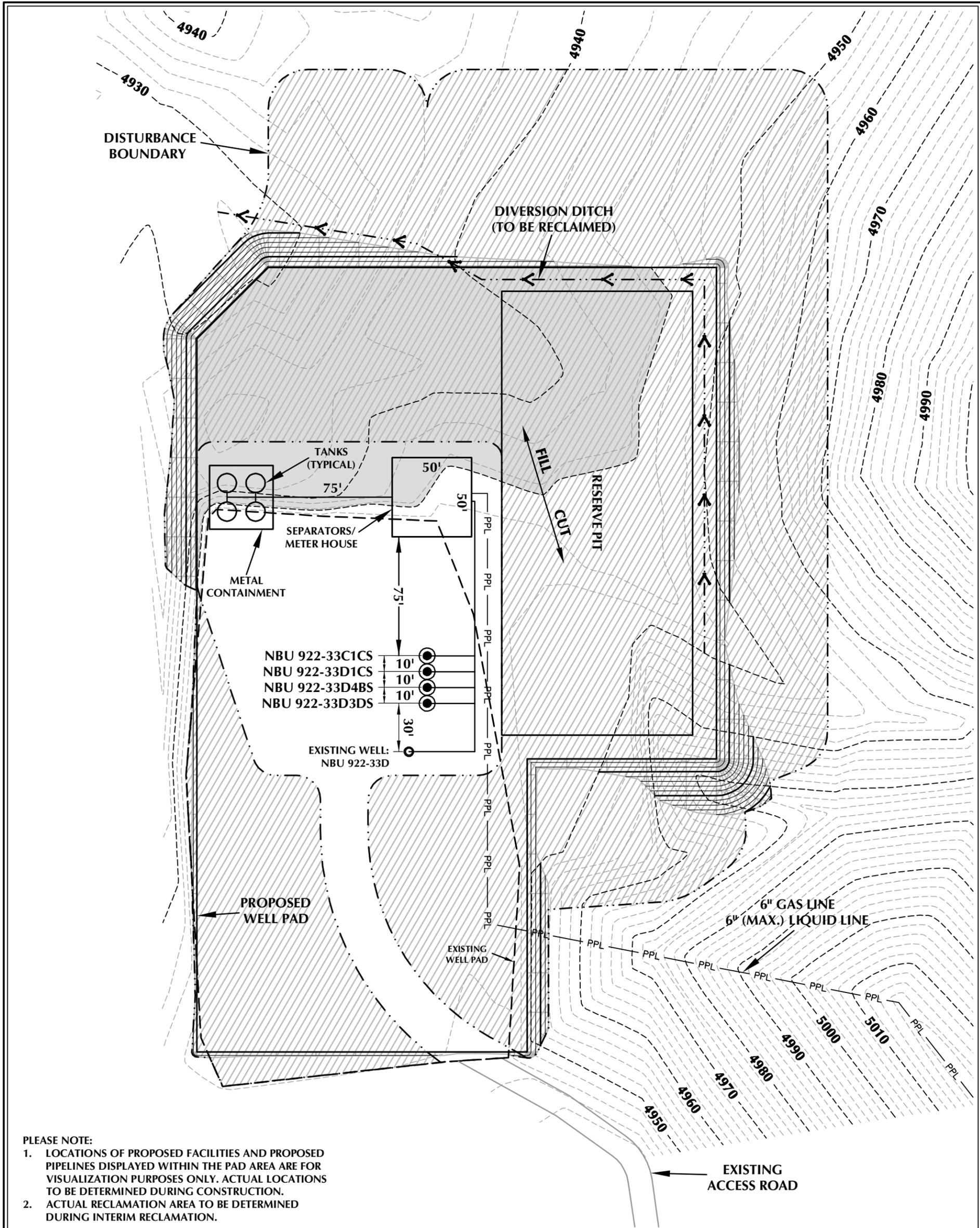
SHEET NO:

REVISED:

APF
8/27/12

7

7 OF 16



PLEASE NOTE:
 1. LOCATIONS OF PROPOSED FACILITIES AND PROPOSED PIPELINES DISPLAYED WITHIN THE PAD AREA ARE FOR VISUALIZATION PURPOSES ONLY. ACTUAL LOCATIONS TO BE DETERMINED DURING CONSTRUCTION.
 2. ACTUAL RECLAMATION AREA TO BE DETERMINED DURING INTERIM RECLAMATION.

WELL PAD - NBU 922-33D DESIGN SUMMARY

TOTAL DISTURBANCE AREA = 5.18 ACRES (INCLUDING EXISTING)
 RECLAMATION AREA = 4.16 ACRES
 TOTAL WELL PAD AREA AFTER RECLAMATION = 1.02 ACRES

WELL PAD LEGEND

- EXISTING WELL LOCATION
- PROPOSED WELL LOCATION
- PROPOSED BOTTOM HOLE LOCATION
- EXISTING CONTOURS (2' INTERVAL)
- PROPOSED CONTOURS (2' INTERVAL)
- PPL PROPOSED PIPELINE
- EPL EXISTING PIPELINE
- RECLAMATION AREA



HORIZONTAL 0 30' 60' 1" = 60'
 2' CONTOURS

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WELL PAD - NBU 922-33D

WELL PAD - RECLAMATION LAYOUT
 NBU 922-33C1CS, NBU 922-33D1CS,
 NBU 922-33D4BS & NBU 922-33D3DS
 LOCATED IN SECTION 33, T9S, R22S,
 S.L.B.&M., UINTAH COUNTY, UTAH



CONSULTING, LLC
 2155 North Main Street
 Sheridan, WY 82801
 Phone 307-674-0609
 Fax 307-674-0182

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 ENGINEERING & LAND SURVEYING, INC.
 209 NORTH 300 WEST - VERNAL, UTAH 84078

(435) 789-1365

SCALE: 1"=60'	DATE: 7/5/12	SHEET NO:
REVISED:	APF 8/27/12	8 8 OF 16

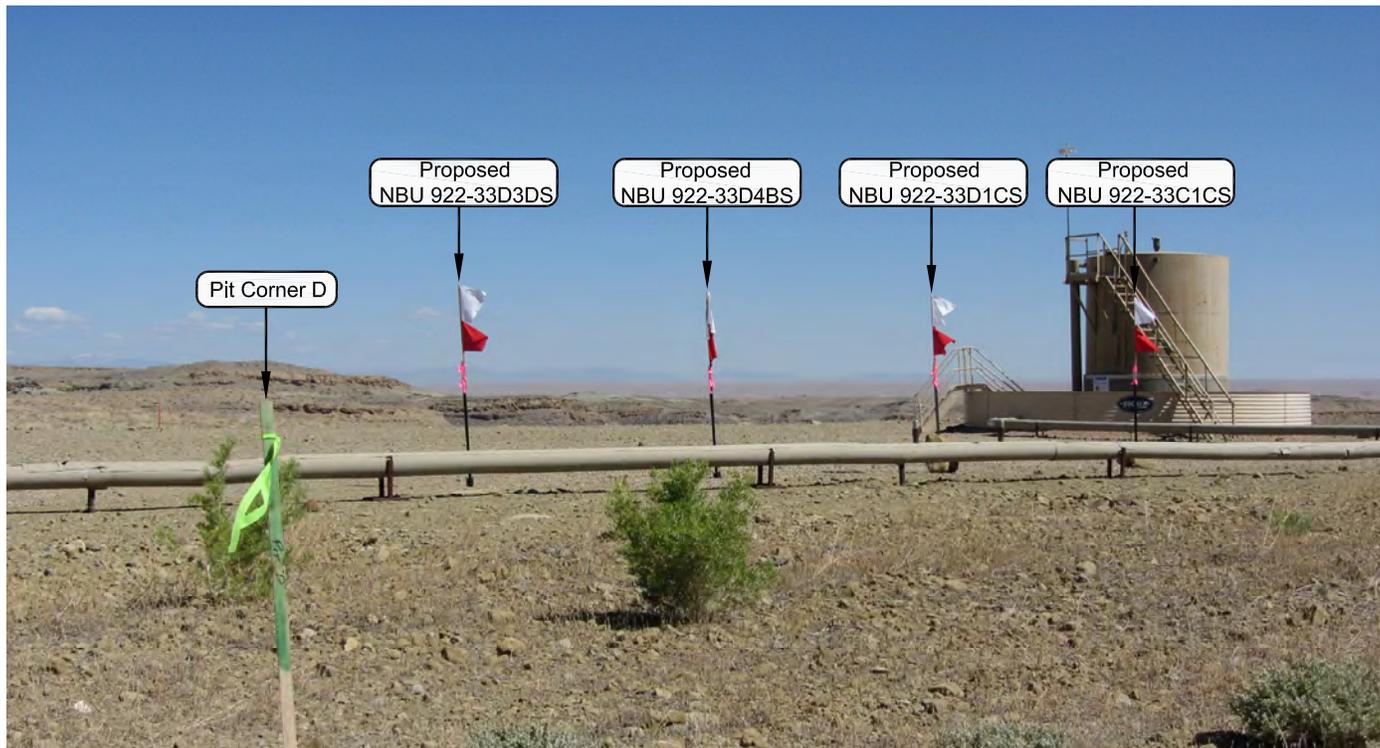


PHOTO VIEW: FROM PIT CORNER D TO LOCATION STAKE

CAMERA ANGLE: NORTHERLY



PHOTO VIEW: FROM EXISTING ACCESS ROAD

CAMERA ANGLE: NORTHERLY

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WELL PAD - NBU 922-33D

LOCATION PHOTOS

**NBU 922-33C1CS, NBU 922-33D1CS,
NBU 922-33D4BS & NBU 922-33D3DS
LOCATED IN SECTION 33, T9S, R22E,
S.L.B.&M., UINTAH COUNTY, UTAH.**



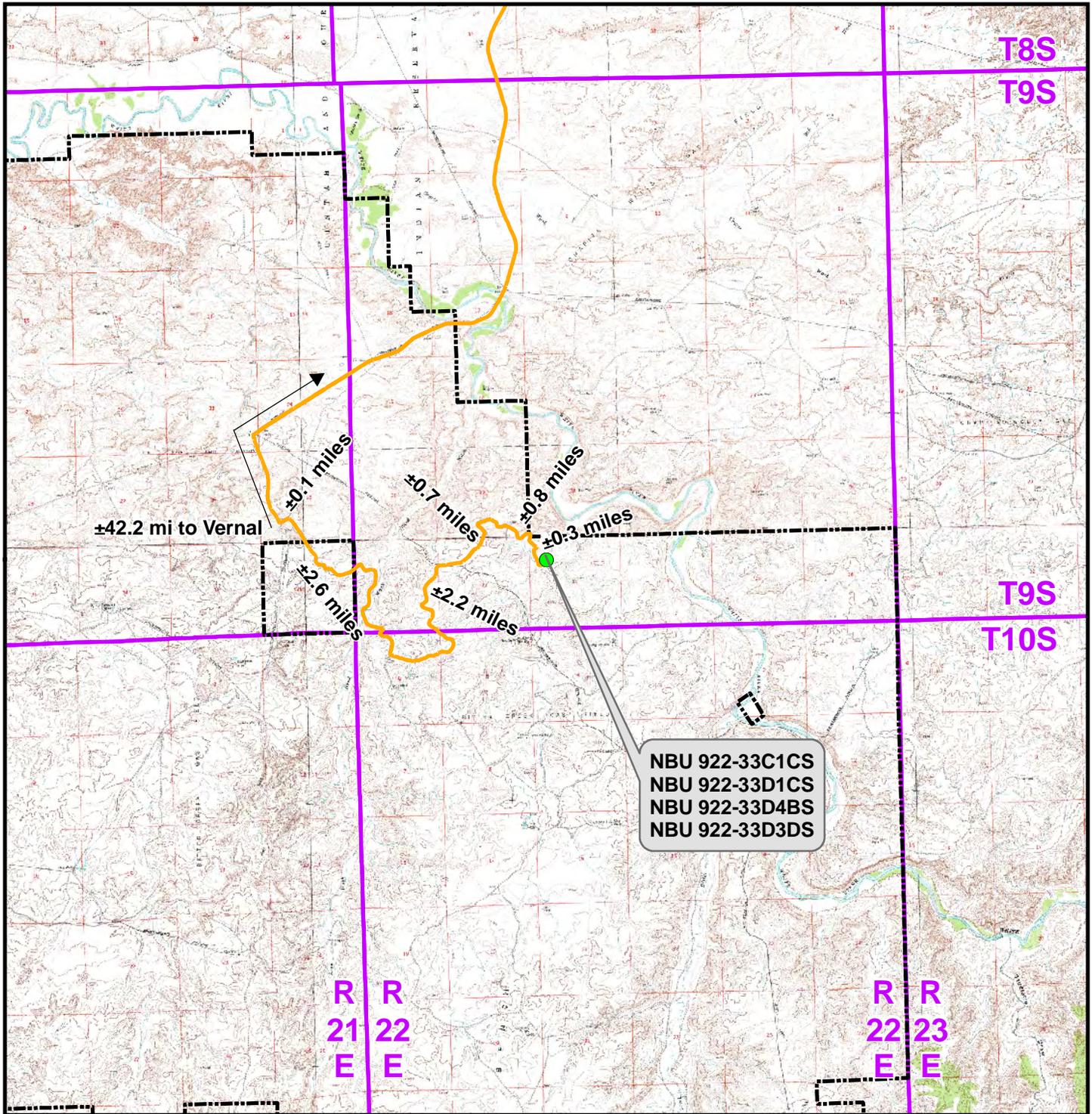
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Fax 307-674-0182

TIMBERLINE

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209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE PHOTOS TAKEN: 5-29-12	PHOTOS TAKEN BY: A.F.	SHEET NO: 9 9 OF 16
DATE DRAWN: 6-12-12	DRAWN BY: T.J.R.	
Date Last Revised:		



File: K:\VANADARKO\2012\2012_14_NBU_FOCUS_922-33\GIS\Maps_ABCDE\NBU 922-33D\NBU 922-33D_A.mxd, 8/25/2012 1:40:23 PM

Legend

- Proposed Well Location
- Natural Buttes Unit Boundary
- Access Route - Proposed

Distance From Well Pad - NBU 922-33D To Unit Boundary: ±1,303ft

WELL PAD - NBU 922-33D

TOPO A
NBU 922-33C1CS, NBU 922-33D1CS,
NBU 922-33D4BS & NBU 922-33D3DS
LOCATED IN SECTION 33, T9S, R22E,
S.L.B.&M., UINTAH COUNTY, UTAH

**Kerr-McGee Oil &
 Gas Onshore L.P.**

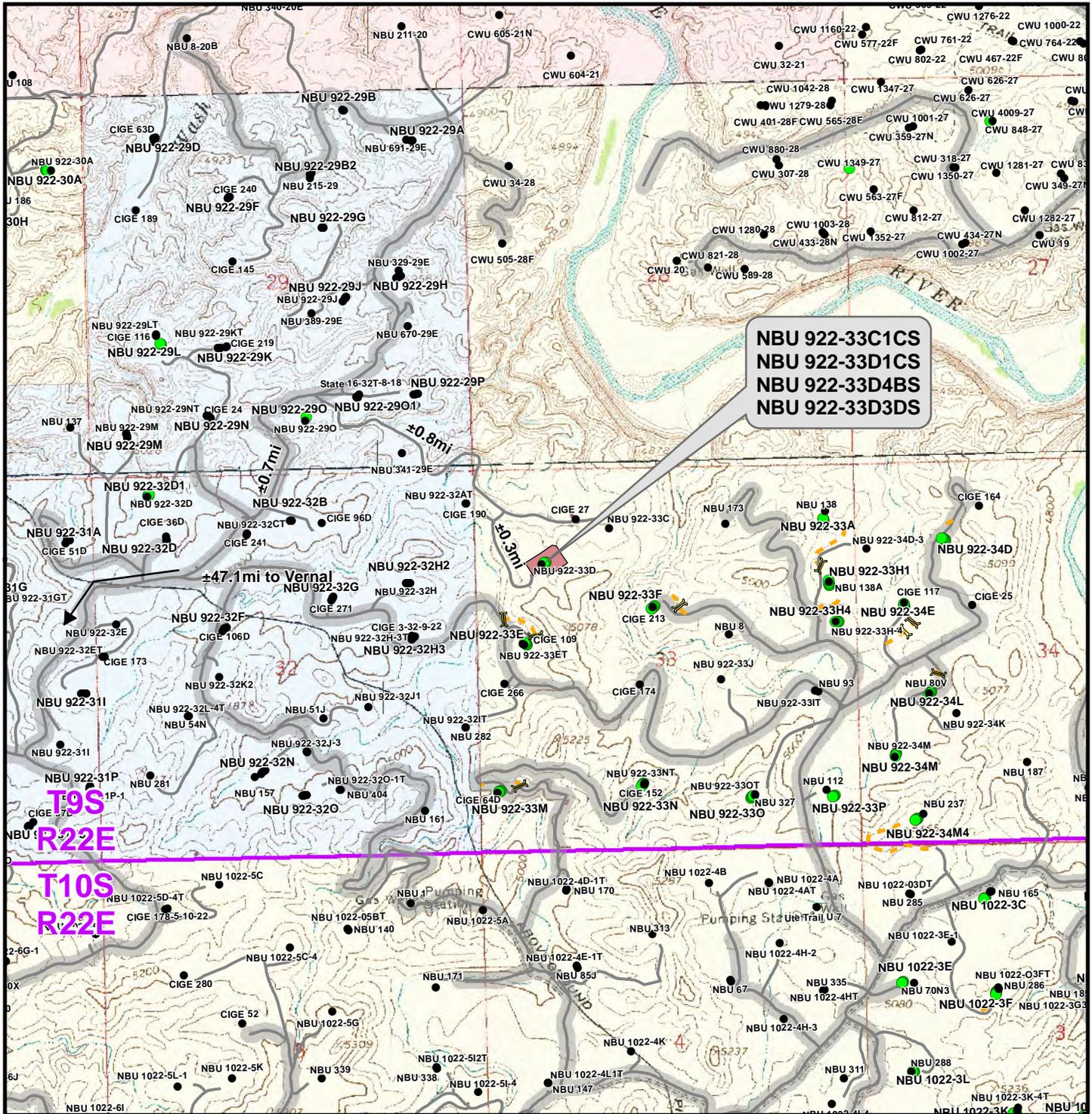
**1099 18th Street
 Denver, Colorado 80202**



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 2155 North Main Street
 Sheridan, Wyoming 82801
 Phone 307-674-0609
 Fax 307-674-0182



SCALE: 1:100,000	NAD83 USP Central	SHEET NO:
DRAWN: TL	DATE: 24 Aug 2012	10
REVISED:	DATE:	
		10 OF 16



**NBU 922-33C1CS
NBU 922-33D1CS
NBU 922-33D4BS
NBU 922-33D3DS**

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Legend

● Well - Proposed	 Well Pad	 Road - Proposed	 County Road	 Bureau of Land Management	 State
● Well - Existing	 Road - Existing	⚡ Culvert/LWC - Proposed	 Indian Reservation	 Private	

Total Proposed Road Length: ±0ft

WELL PAD - NBU 922-33D

TOPO B
NBU 922-33C1CS, NBU 922-33D1CS,
NBU 922-33D4BS & NBU 922-33D3DS
LOCATED IN SECTION 33, T9S, R22E,
S.L.B.&M., UINTAH COUNTY, UTAH

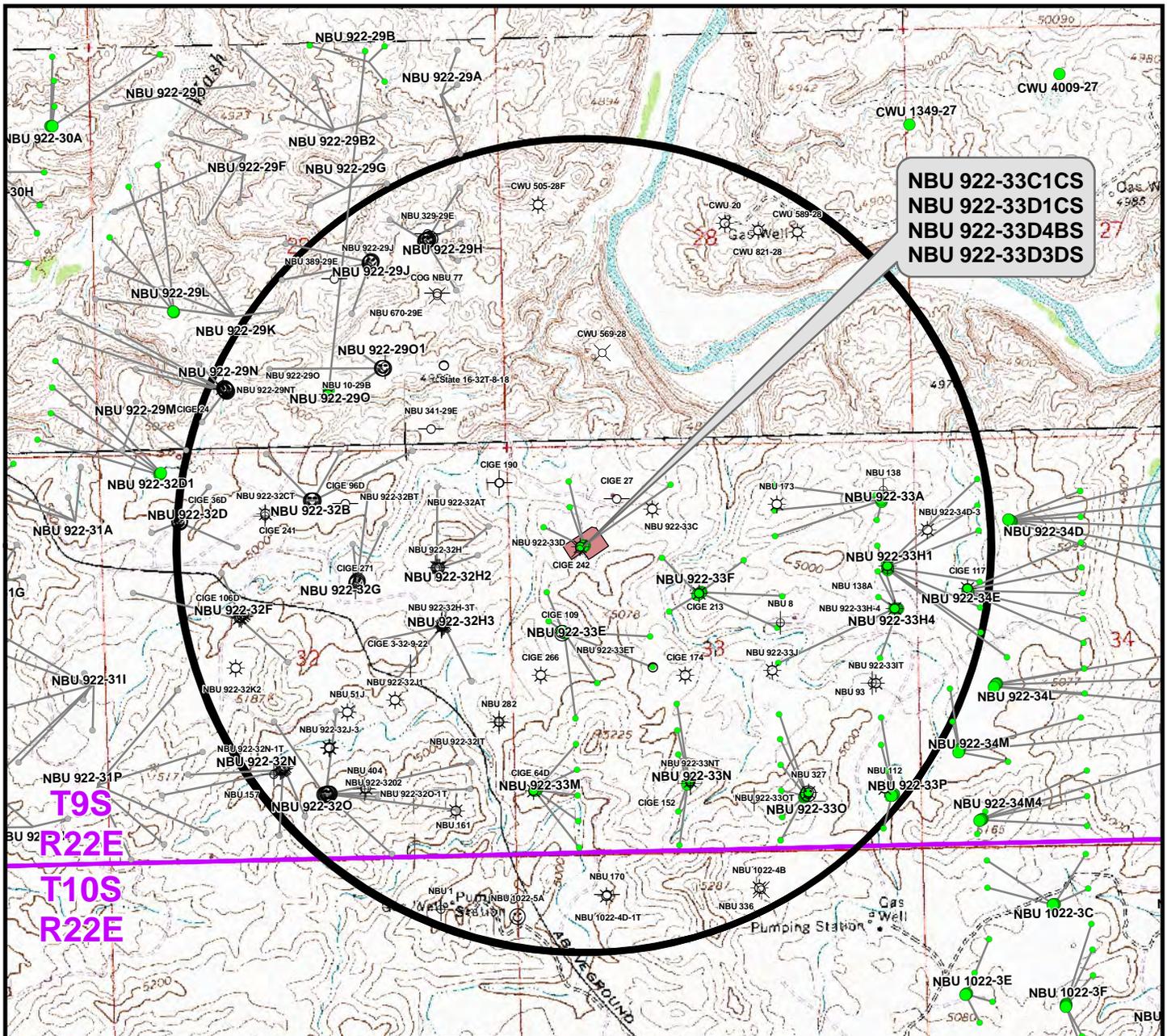
**Kerr-McGee Oil &
Gas Onshore L.P.**

1099 18th Street
Denver, Colorado 80202

CONSULTING, LLC
2155 North Main Street
Sheridan, Wyoming 82801
Phone 307-674-0609
Fax 307-674-0182

SCALE: 1" = 2,000ft	NAD83 USP Central	11
DRAWN: TL	DATE: 24 Aug 2012	
REVISED:	DATE:	

SHEET NO:
11 OF 16



NBU 922-33C1CS
 NBU 922-33D1CS
 NBU 922-33D4BS
 NBU 922-33D3DS

Well locations derived from Utah Division of Oil, Gas and Mining (UDOGM) (oilgas.ogm.utah.gov). The estimated distances from proposed bore locations to the nearest existing bore locations are based on UDOGM data.

Proposed Well	Nearest Well Bore	Footage
NBU 922-33C1CS	NBU 922-33C	392ft
NBU 922-33D1CS	CIGE 27	657ft
NBU 922-33D4BS	NBU 922-33D	534ft
NBU 922-33D3DS	NBU 922-33D	538ft

Legend

- Well - Proposed
- Well Path
- ☀ Producing
- ⊕ Deferred
- ☀ Active Injector
- ⊕ Plugged & Abandoned
- Bottom Hole - Proposed
- Well Pad
- ☺ Spudded
- ⊗ Cancelled
- ☀ Location Abandoned
- ⊕ Shut-In
- Bottom Hole - Existing
- ◻ Well - 1 Mile Radius
- APD Approved
- ⊖ Temporarily Abandoned
- ⊗ Location Abandoned
- ⊖ Shut-In
- ⊖ Preliminary Location

WELL PAD - NBU 922-33D

TOPO C
 NBU 922-33C1CS, NBU 922-33D1CS,
 NBU 922-33D4BS & NBU 922-33D3DS
 LOCATED IN SECTION 33, T9S, R22E,
 S.L.B.&M., Uintah County, Utah

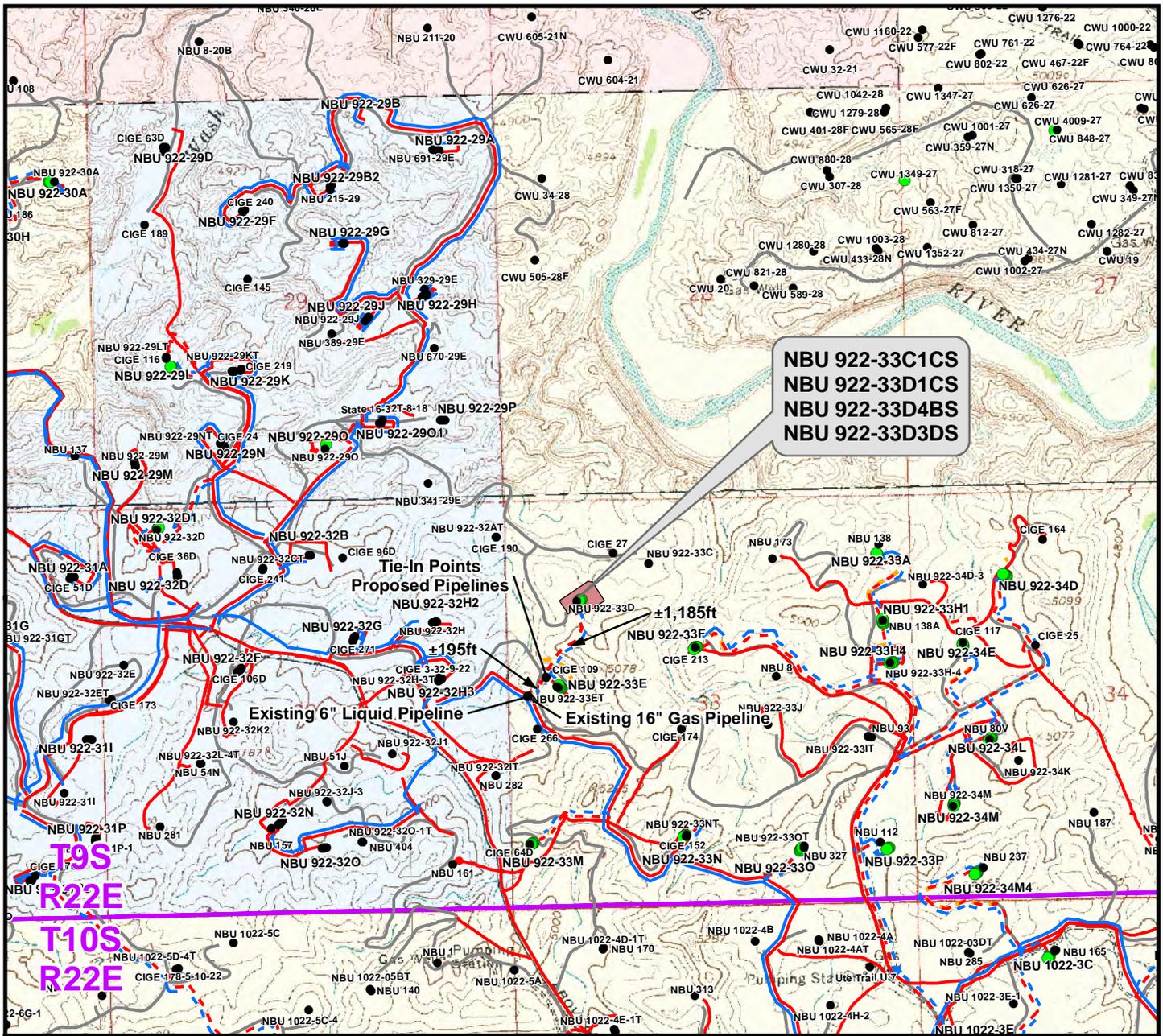
**Kerr-McGee Oil &
 Gas Onshore L.P.**
 1099 18th Street
 Denver, Colorado 80202

CONSULTING, LLC
 2155 North Main Street
 Sheridan, Wyoming 82801
 Phone 307-674-0609
 Fax 307-674-0182

SCALE: 1" = 2,000ft	NAD83 USP Central	12
DRAWN: TL	DATE: 24 Aug 2012	
REVISED:	DATE:	

SHEET NO:
12 OF 16

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Proposed Liquid Pipeline	Length	Proposed Gas Pipeline	Length
-----		-----	
Buried 6" (Max.) (Separator to Edge of Pad)	±310ft	Buried 6" (Meter House to Edge of Pad)	±310ft
Buried 6" (Max.) (Edge of Pad to 33E Intersection)	±1,185ft	Buried 6" (Edge of Pad to 33E Intersection)	±1,185ft
TOTAL PROPOSED BURIED LIQUID PIPELINE =	±1,495ft	TOTAL PROPOSED BURIED GAS PIPELINE =	±1,495ft

Legend

- Well - Proposed - - - Gas Pipeline - Proposed - - - Liquid Pipeline - Proposed - - - Road - Proposed Bureau of Land Management State
- Well - Existing - - - Gas Pipeline - To Be Upgraded - - - Liquid Pipeline - Existing - - - Road - Existing Indian Reservation Private
- Well Pad - - - Gas Pipeline - Existing

WELL PAD - NBU 922-33D

TOPO D
NBU 922-33C1CS, NBU 922-33D1CS,
NBU 922-33D4BS & NBU 922-33D3DS
LOCATED IN SECTION 33, T9S, R22E,
S.L.B.&M., UINTAH COUNTY, UTAH

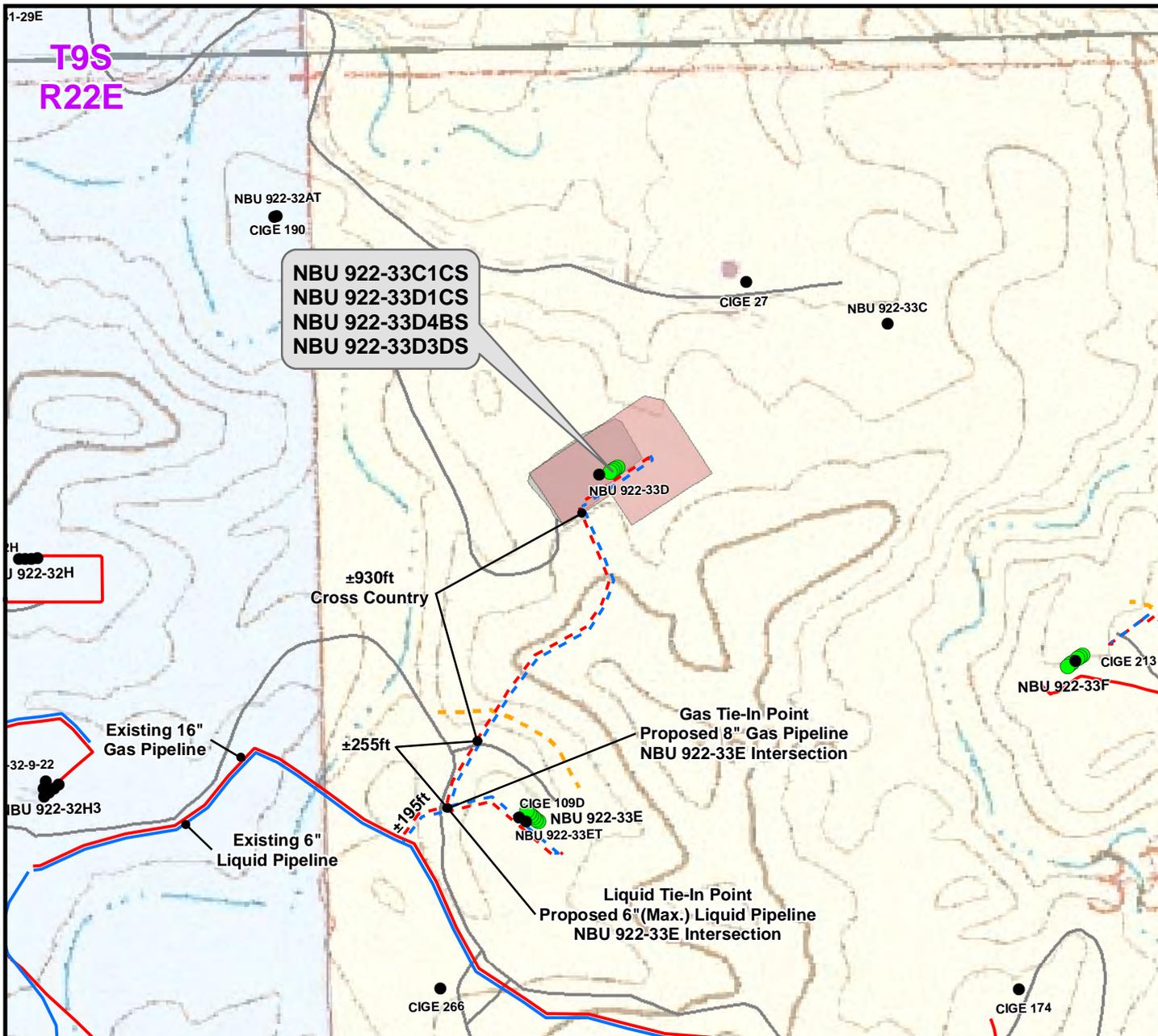
Kerr-McGee Oil & Gas Onshore L.P.

1099 18th Street
Denver, Colorado 80202

CONSULTING, LLC
 2155 North Main Street
 Sheridan, Wyoming 82801
 Phone 307-674-0609
 Fax 307-674-0182

SCALE: 1" = 2,000ft	NAD83 USP Central	13
DRAWN: TL	DATE: 24 Aug 2012	
REVISED:	DATE:	

SHEET NO:
13 OF 16



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Proposed Liquid Pipeline	Length

Buried 6" (Max.) (Separator to Edge of Pad)	±310ft
Buried 6" (Max.) (Edge of Pad to 33E Intersection)	±1,185ft
TOTAL PROPOSED BURIED LIQUID PIPELINE =	±1,495ft

Proposed Gas Pipeline	Length

Buried 6" (Meter House to Edge of Pad)	±310ft
Buried 6" (Edge of Pad to 33E Intersection)	±1,185ft
TOTAL PROPOSED BURIED GAS PIPELINE =	±1,495ft

Legend					
● Well - Proposed	 Well Pad - Proposed	--- Gas Pipeline - Proposed	--- Liquid Pipeline - Proposed	--- Road - Proposed	 Bureau of Land Management
● Well - Existing	 Well Pad - Existing	--- Gas Pipeline - To Be Upgraded	--- Liquid Pipeline - Existing	--- Road - Existing	 Indian Reservation
		--- Gas Pipeline - Existing			 State
					 Private

WELL PAD - NBU 922-33D

TOPO D2 (PAD & PIPELINE DETAIL)
NBU 922-33C1CS, NBU 922-33D1CS,
NBU 922-33D4BS & NBU 922-33D3DS
LOCATED IN SECTION 33, T9S, R22E,
S.L.B.&M., UINTAH COUNTY, UTAH

**Kerr-McGee Oil &
 Gas Onshore L.P.**

1099 18th Street
 Denver, Colorado 80202

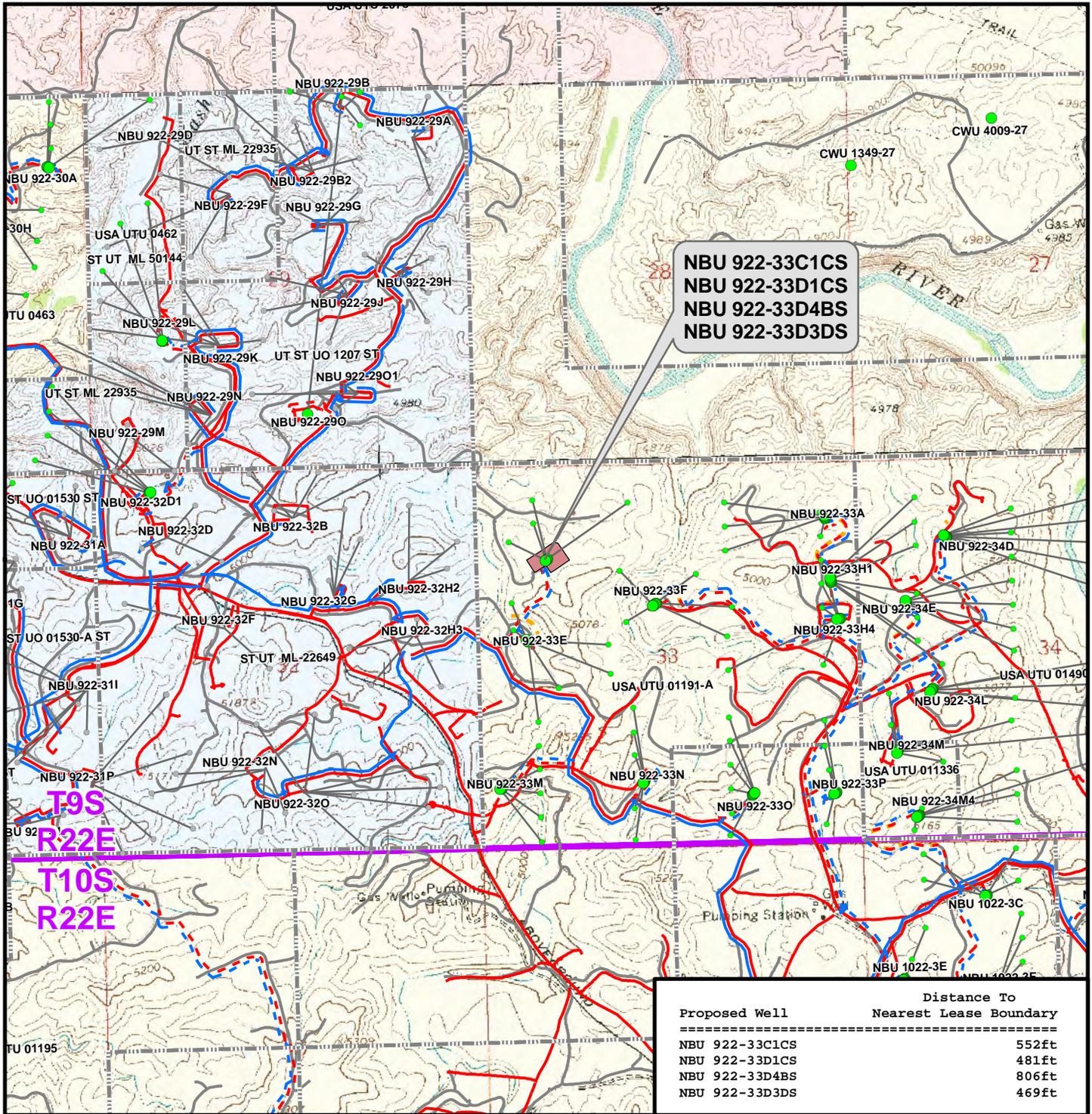


CONSULTING, LLC
 2155 North Main Street
 Sheridan, Wyoming 82801
 Phone 307-674-0609
 Fax 307-674-0182



SCALE: 1" = 500ft	NAD83 USP Central	14
DRAWN: TL	DATE: 24 Aug 2012	
REVISED:	DATE:	

SHEET NO:
14 OF 16



**NBU 922-33C1CS
NBU 922-33D1CS
NBU 922-33D4BS
NBU 922-33D3DS**

**T9S
R22E
T10S
R22E**

Proposed Well	Distance To Nearest Lease Boundary
NBU 922-33C1CS	552ft
NBU 922-33D1CS	481ft
NBU 922-33D4BS	806ft
NBU 922-33D3DS	469ft

Legend					
● Well - Proposed	■ Well Pad	- - - Gas Pipeline - Proposed	- - - Liquid Pipeline - Proposed	- - - Road - Proposed	■ Bureau of Land Management
● Bottom Hole - Proposed	▭ Lease Boundary	- - - Gas Pipeline - To Be Upgraded	— Liquid Pipeline - Existing	— Road - Existing	■ Indian Reservation
● Bottom Hole - Existing	— Well Path	— Gas Pipeline - Existing			■ State
					■ Private

WELL PAD - NBU 922-33D

TOPO E
**NBU 922-33C1CS, NBU 922-33D1CS,
 NBU 922-33D4BS & NBU 922-33D3DS**
 LOCATED IN SECTION 33, T9S, R22E,
 S.L.B.&M., UINTAH COUNTY, UTAH

**Kerr-McGee Oil &
 Gas Onshore L.P.**

1099 18th Street
 Denver, Colorado 80202



CONSULTING, LLC
 2155 North Main Street
 Sheridan, Wyoming 82801
 Phone 307-674-0609
 Fax 307-674-0182

SCALE: 1" = 2,000ft	NAD83 USP Central	SHEET NO: 15 15 OF 16
DRAWN: TL	DATE: 24 Aug 2012	
REVISED:	DATE:	

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NOV 13 2012
June 26 2009

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB NO. 1004-0137
Expires: July 31, 2010

5. Lease Serial No.
UTU-01191A

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA Agreement, Name and No.
UTU63047A

8. Lease Name and Well No.
NBU 922-33C1CS

9. API Well No.
4304750509

1a. Type of Work: DRILL REENTER

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

2. Name of Operator
KERR-MCGEE OIL & GAS ONSHORE, L.P.

3a. Address
P.O. BOX 173779
DENVER, COLORADO 80202-3779

3b. Phone No. (include area code)
PHONE 720-929-6086
FAX 720-929-7086

10. Field and Pool, or Exploratory
NATURAL BUTTES

4. Location of well (Report location clearly and in accordance with any State requirements. *)
At surface NWNW 1303 FNL 995 FWL LAT = 39.996215 LONG = -109.450870
At proposed prod. Zone NENW 552 FNL 2129 FWL LAT = 39.998279 LONG = -109.446825

11. Sec., T., R., M., or Blk. and Survey or Area
33 T 9S R 22E

14. Distance in miles and direction from the nearest town or post office*
Approximately 49 miles Southeast of Vernal, Utah

12. County or Parish
UINTAH

13. State
UT

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. unit line, if any)
552

16. No. of acres in lease
1363.21

17. Spacing Unit dedicated to this well
RECEIVED
MAY 31 2013

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.
392

19. Proposed Depth
10457 MD
10238 TVD

20. BLM/ BIA Bond No. on file
WYB000291 DIV. OF OIL, GAS & MINING

21. Elevations (Show whether DF, RT, GR, etc.)
4944.5 GR

22. Approximate date work will start*
5/9/2013

23. Estimated duration
60-90 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:

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

25. Signature

Title SENIOR REGULATORY ANALYST

Name (Printed/ Typed) GINA T BECKER
Date November 9, 2012

Approved By (Signature)

Title Assistant Field Manager
Lands & Mineral Resources

Name (Printed/ Typed) Jerry Kenczka
Date MAY 24 2013
Office VERNAL 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. **CONDITIONS OF APPROVAL ATTACHED**

Title 18 U.S.C. 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.

Kerr-McGee Oil & Gas Onshore, L.P. hereby certifies that it is authorized by the proper lease interest owners and responsible under the terms and conditions of the lease to conduct lease operation associated with this application.



NOTICE OF APPROVAL



**UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE**

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	KERR MCGEE OIL & GAS ONSHORE	Location:	NWNW, Sec. 33, T9S, R22E
Well No:	NBU 922-33C1CS	Lease No:	UTU-01191A
API No:	43-047-50509	Agreement:	

OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings to: blm_ut_vn_opreport@blm.gov
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

**SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)**

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of NO_x per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.
- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO_x per horsepower-hour.
- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.
- Mitigation measures can be found in Appendix B, Table B-2, of the GNB ROD (BLM 2012b) under the following sections of the table:
 - Air Quality
 - Soils
 - Vegetation: *Sclerocactus wetlandicus*
 - Wildlife: Colorado River Fish
- All vehicles and equipment shall be cleaned either through power-washing, or other approved method, if the vehicles or equipment were previously operated outside the Uinta Basin, to prevent weed seed introduction.
- All disturbance areas shall be monitored for noxious weeds annually, for a minimum of three growing seasons following completion of project or until desirable vegetation is established
- Noxious and invasive weeds will be controlled throughout the area of project disturbance.
- Noxious weeds will be inventoried and reported to BLM in the annual reclamation report. Where an integrated pest management program is applicable, coordination has been undertaken with the state and local management program (if existing). A copy of the pest management plan will be submitted for each project.
- A pesticide use permit (PUP) will be obtained for the project, if applicable.
- Paleontological monitoring by a BLM permitted paleontologist is required for Well Pads 922-33A, 922-33D, 922-33E, 922-33H, and 922-33N; Access Road for 922-33E during all ground disturbing activities (BLM 2012b; BLM 2013c).

- Construction and development activities for Well Pads 922-33D and 922-33F will be prohibited from 12/1 through 9/31, pending the results of a preconstruction nest occupancy survey for Great Horned Owl Nest(BLM 2012b; BLM 2008a).
- Damage to livestock and livestock facilities would be reported as quickly as possible to the BLM and affected livestock operators. Operators would develop and employ prevention measures to avoid damaging fences, gates, and cattleguards, including upgrading cattleguard gate widths and load-bearing requirements and fencing all open pits and cellars.

If partial or complete removal of a fence cannot be avoided, the fence would be braced and tied off per the BLM guidance. Where the fence is crossed by a road, the fence would be braced and a cattleguard and gate installed per BLM guidance.

**DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)**

SITE SPECIFIC DOWNHOLE COAs:

- Cement for the 4.5 inch casing shall be brought up to a minimum of 200 feet above the surface casing shoe.
- A CBL shall be run from TD to TOC in the Production Casing.
- Variances shall be granted as requested in Section 9 of the Drilling Program of the SOP.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each

encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well by CD (compact disc). This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at www.ONRR.gov.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼ ¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid,

and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 01191A	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES	
8. WELL NAME and NUMBER: NBU 922-33C1CS	
9. API NUMBER: 43047505090000	
9. FIELD and POOL or WILDCAT: NATURAL BUTTES	
COUNTY: Uintah	
STATE: UTAH	

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL Gas Well	
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6511
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1303 FNL 0995 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 33 Township: 09.0S Range: 22.0E Meridian: S	

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 7/15/2013	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Kerr-McGee Oil & Gas Onshore, L.P. (Kerr-McGee) respectfully requests an extension to this APD for the maximum time allowed. Please contact the undersigned with any questions and/or comments. Thank you.

Approved by the Utah Division of Oil, Gas and Mining
Date: July 10, 2013
By:

NAME (PLEASE PRINT) Teena Paulo	PHONE NUMBER 720 929-6236	TITLE Staff Regulatory Specialist
SIGNATURE N/A	DATE 7/5/2013	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047505090000

API: 43047505090000

Well Name: NBU 922-33C1CS

Location: 1303 FNL 0995 FWL QTR NWNW SEC 33 TWNP 090S RNG 220E MER S

Company Permit Issued to: KERR-MCGEE OIL & GAS ONSHORE, L.P.

Date Original Permit Issued: 7/15/2009

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? Yes No
- Has the approved source of water for drilling changed? Yes No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No
- Is bonding still in place, which covers this proposed well? Yes No

Signature: Teena Paulo

Date: 7/5/2013

Title: Staff Regulatory Specialist Representing: KERR-MCGEE OIL & GAS ONSHORE, L.P.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
1. TYPE OF WELL Gas Well	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 01191A
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
PHONE NUMBER: 720 929-6100	8. WELL NAME and NUMBER: NBU 922-33C1CS
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1303 FNL 0995 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 33 Township: 09.0S Range: 22.0E Meridian: S	9. API NUMBER: 43047505090000
	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
	COUNTY: UINTAH
	STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 7/15/2014	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Kerr-McGee Oil & Gas Onshore, L.P. (Kerr-McGee) respectfully requests an extension to this APD for the maximum time allowed. Please contact the undersigned with any questions and/or comments. Thank you.

**Approved by the
 Utah Division of
 Oil, Gas and Mining
 May 12, 2014**

Date: _____
By: 

NAME (PLEASE PRINT) Teena Paulo	PHONE NUMBER 720 929-6236	TITLE Staff Regulatory Specialist
SIGNATURE N/A	DATE 5/7/2014	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047505090000

API: 43047505090000

Well Name: NBU 922-33C1CS

Location: 1303 FNL 0995 FWL QTR NWNW SEC 33 TWNP 090S RNG 220E MER S

Company Permit Issued to: KERR-MCGEE OIL & GAS ONSHORE, L.P.

Date Original Permit Issued: 7/15/2009

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? Yes No
- Has the approved source of water for drilling changed? Yes No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No
- Is bonding still in place, which covers this proposed well? Yes No

Signature: Teena Paulo

Date: 5/7/2014

Title: Staff Regulatory Specialist Representing: KERR-MCGEE OIL & GAS ONSHORE, L.P.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APR 01 2015

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

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.

BLM

SUBMIT IN TRIPLICATE - Other instructions on reverse side.		5. Lease Serial No. UTU01191A
		6. If Indian, Allottee or Tribe Name
		7. If Unit or CA/Agreement, Name and/or No. 891008900A
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. NBU 922-33C1CS
2. Name of Operator KERR MCGEE OIL & GAS ONSHORE		9. API Well No. 43-047-50509-00-X1
Contact: JOEL MALEFYT Email: joel.malefyt@anadarko.com		
3a. Address 1368 SOUTH 1200 EAST VERNAL, UT 84078	3b. Phone No. (include area code) Ph: 720-929-6828 Fx: 720-929-7828	10. Field and Pool, or Exploratory NATURAL BUTTES
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 33 T9S R22E NWNW 1223FNL 1295FWL 39.996436 N Lat, 109.449800 W Lon		11. County or Parish, and State UINTAH COUNTY, UT

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Change to Original A PD
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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

Kerr-McGee Oil & Gas Onshore, L.P. (Kerr-McGee) respectfully requests an extension to this APD for the maximum time allowed. Please contact the undersigned with any questions and/or comments. Thank you.

APD - 5/24/13
NEPA - 2013-74 EA

RECEIVED
APR 20 2015

VERNAL FIELD OFFICE
ENG. <u>RPP 4/7/15</u>
GEOL. _____
E.S. _____
PET. _____
RECL. _____

CONDITIONS OF APPROVAL ATTACHED

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct	
Electronic Submission #296899 verified by the BLM Well Information System For KERR MCGEE OIL & GAS ONSHORE L, sent to the Vernal Committed to AFMSS for processing by JOHNETTA MAGEE on 04/03/2015 (15JM1477SE)	
Name (Printed/Typed) JOEL MALEFYT	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 04/01/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <u>[Signature]</u>	Title Assistant Field Manager Land & Mineral Resources	Date APR 10 2015
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 VERNAL FIELD OFFICE		

Title 18 U.S.C. 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.

** BLM REVISED **

UDOGM

Revisions to Operator-Submitted EC Data for Sundry Notice #296899

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	OTHER NOI	APDCH NOI
Lease:	UTU01191A	UTU01191A
Agreement:	UTU63047A	891008900A (UTU63047A)
Operator:	KERR MCGEE OIL & GAS LP PO BOX 173779 DENVER, CO 80202-3779 Ph: 720-929-6000	KERR MCGEE OIL & GAS ONSHORE L 1368 SOUTH 1200 EAST VERNAL, UT 84078 Ph: 435.789.3995
Admin Contact:	JOEL MALEFYT REGULATORY ANALYST E-Mail: JOEL.MALEFYT@ANADARKO.COM Ph: 720-929-6828 Fx: 720-929-7828	JOEL MALEFYT REGULATORY ANALYST E-Mail: joel.malefyt@anadarko.com Ph: 720-929-6828 Fx: 720-929-7828
Tech Contact:	JOEL MALEFYT REGULATORY ANALYST E-Mail: JOEL.MALEFYT@ANADARKO.COM Ph: 720-929-6828 Fx: 720-929-7828	JOEL MALEFYT REGULATORY ANALYST E-Mail: joel.malefyt@anadarko.com Ph: 720-929-6828 Fx: 720-929-7828
Location:		
State:	UT	UT
County:	UINTAH	UINTAH
Field/Pool:	NATURAL BUTTES	NATURAL BUTTES
Well/Facility:	NBU 922-33C1CS Sec 33 T9S R22E	NBU 922-33C1CS Sec 33 T9S R22E NWNW 1223FNL 1295FWL 39.996436 N Lat, 109.449800 W Lon

CONDITIONS OF APPROVAL

Kerr McGee Oil and Gas Onshore LP.

Notice of Intent APD Extension

Lease: UTU-01191A
Well: NBU 922-33C1CS
Location: NWNW Sec 33-T9S-R22E

An extension for the referenced APD is granted with the following conditions:

1. The extension and APD shall expire on 05/24/2017.
2. No other extension shall be granted.

If you have any other questions concerning this matter, please contact Robin L Hansen of this office at (435) 781-2777

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 01191A	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES	
8. WELL NAME and NUMBER: NBU 922-33C1CS	
9. API NUMBER: 43047505090000	
9. FIELD and POOL or WILDCAT: NATURAL BUTTES	
COUNTY: UINTAH	
STATE: UTAH	

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL Gas Well	
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6100
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1303 FNL 0995 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 33 Township: 09.0S Range: 22.0E Meridian: S	

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 6/17/2015	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Kerr-McGee Oil & Gas Onshore, L.P. (Kerr-McGee) respectfully requests an extension to this APD for the maximum time allowed. Please contact the undersigned with any questions and/or comments. Thank you.

Approved by the
June 23, 2015
Oil, Gas and Mining

Date: _____
By:

NAME (PLEASE PRINT) Jennifer Thomas	PHONE NUMBER 720 929-6808	TITLE Regulatory Specialist
SIGNATURE N/A	DATE 6/17/2015	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047505090000

API: 43047505090000

Well Name: NBU 922-33C1CS

Location: 1303 FNL 0995 FWL QTR NWNW SEC 33 TWNP 090S RNG 220E MER S

Company Permit Issued to: KERR-MCGEE OIL & GAS ONSHORE, L.P.

Date Original Permit Issued: 7/15/2009

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? Yes No
- Has the approved source of water for drilling changed? Yes No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No
- Is bonding still in place, which covers this proposed well? Yes No

Signature: Jennifer Thomas

Date: 6/17/2015

Title: Regulatory Specialist Representing: KERR-MCGEE OIL & GAS ONSHORE, L.P.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 01191A	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES	
8. WELL NAME and NUMBER: NBU 922-33C1CS	
9. API NUMBER: 43047505090000	
9. FIELD and POOL or WILDCAT: NATURAL BUTTES	
COUNTY: Uintah	
STATE: UTAH	

SUNDRY NOTICES AND REPORTS ON WELLS
 Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL Gas Well
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779
PHONE NUMBER: 720 929-6454
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1303 FNL 0995 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 33 Township: 09.0S Range: 22.0E Meridian: S

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 5/27/2016	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
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	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Kerr-McGee Oil & Gas Onshore, L.P. (Kerr-McGee) respectfully requests an extension to this APD for the maximum time allowed. Please contact the undersigned with any questions and/or comments. Thank you.

Approved by the
June 01, 2016
Oil, Gas and Mining

Date: _____
By:

NAME (PLEASE PRINT) Joel Malefy	PHONE NUMBER 720 929-6828	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 5/27/2016	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047505090000

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- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No
- Is bonding still in place, which covers this proposed well? Yes No

Signature: Joel Malefyt

Date: 5/27/2016

Title: Regulatory Analyst Representing: KERR-MCGEE OIL & GAS ONSHORE, L.P.