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 922-33P3S
2. TYPE OF WORK DRILL NEW WELL ■ REENTER P&A WELL ○ DEEPEN WELL ○	**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 01191 / **11. MINERAL OWNERSHIP** FEDERAL ■ INDIAN ○ STATE ○ FEE ○	**12. SURFACE OWNERSHIP** FEDERAL ■ INDIAN ○ STATE ○ FEE ○
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 ■ (Submit Commingling Application) NO ○	**19. SLANT** VERTICAL ○ DIRECTIONAL ■ HORIZONTAL ○

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	194 FNL 1852 FEL	NWNE	4	10.0 S	22.0 E	S
Top of Uppermost Producing Zone	585 FSL 935 FEL	SESE	33	9.0 S	22.0 E	S
At Total Depth	585 FSL 935 FEL	SESE	33	9.0 S	22.0 E	S

21. COUNTY UINTAH	**22. DISTANCE TO NEAREST LEASE LINE (Feet)** 585	**23. NUMBER OF ACRES IN DRILLING UNIT** 1041
	25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 510	**26. PROPOSED DEPTH** MD: 9323 TVD: 9000
27. ELEVATION - GROUND LEVEL 5041	**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

☑ **WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER**	☑ **COMPLETE DRILLING PLAN**
☐ **AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)**	☐ **FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER**
☑ **DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)**	☑ **TOPOGRAPHICAL MAP**

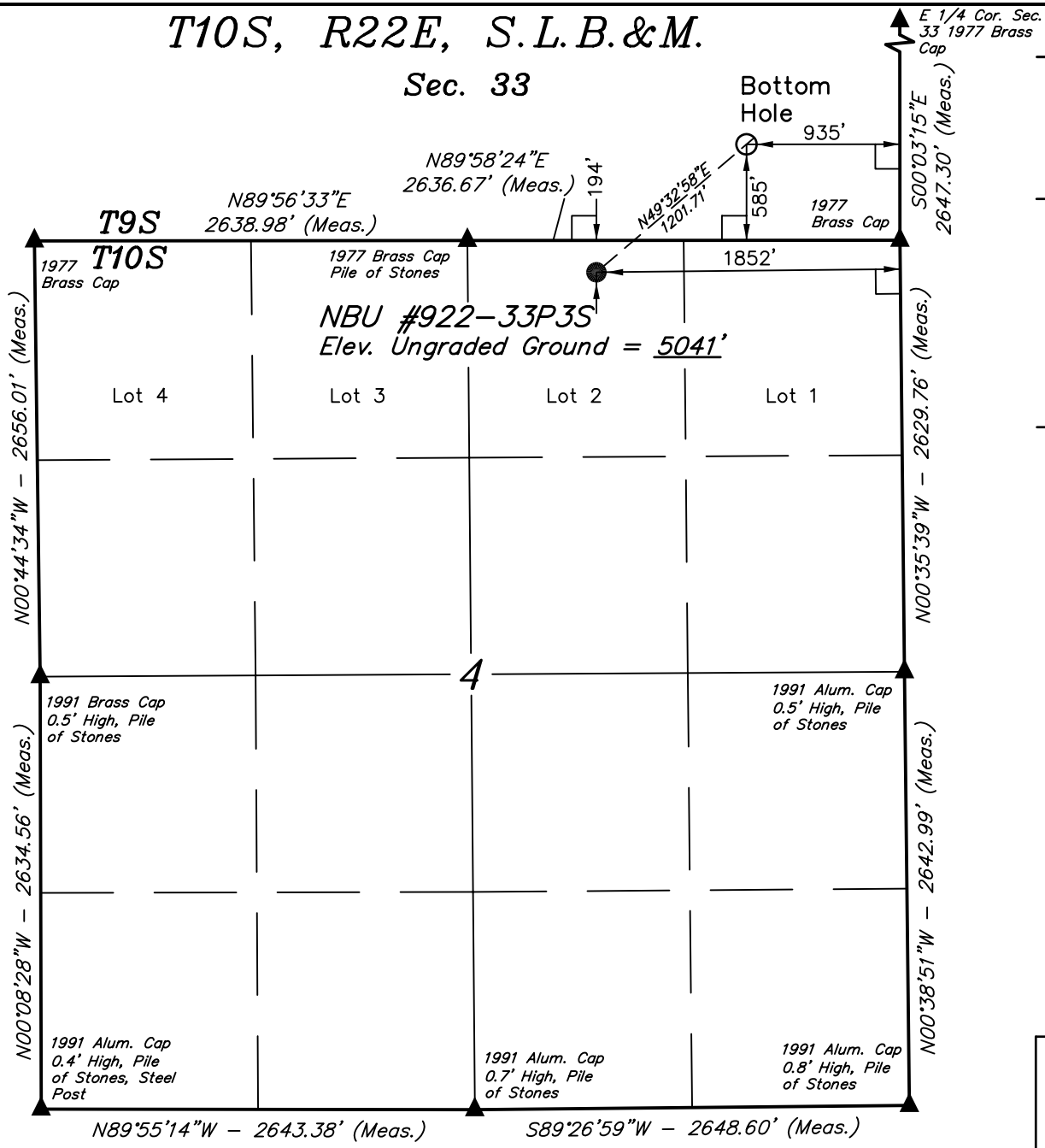
NAME Danielle Piernot	**TITLE** Regulatory Analyst	**PHONE** 720 929-6156
SIGNATURE	**DATE** 06/08/2009	**EMAIL** danielle.piernot@anadarko.com
API NUMBER ASSIGNED 43047504670000	**APPROVAL**	Permit Manager

Proposed Hole, Casing, and Cement						
String	**Hole Size**	**Casing Size**	**Top (MD)**	**Bottom (MD)**		
Prod	7.875	4.5	0	9323		
Pipe	**Grade**	**Length**	**Weight**			
	Grade I-80 LT&C	9323	11.6			

Proposed Hole, Casing, and Cement						
String	**Hole Size**	**Casing Size**	**Top (MD)**	**Bottom (MD)**		
Surf	12.25	9.625	0	2225		
Pipe	**Grade**	**Length**	**Weight**			
	Grade J-55 LT&C	2225	36.0			

T10S, R22E, S.L.B.&M.

Sec. 33



Kerr-McGee Oil & Gas Onshore LP

Well location, NBU #922-33P3S, located as shown in Lot 2 of Section 4, T10S, 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.

N

1000' 500' 0' 1000'

SCALE

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.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

REGISTERED LAND SURVEYOR No. 161319 STATE OF UTAH

LEGEND:

└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 39°59'12.74" (39.986872)	LATITUDE = 39°59'05.04" (39.984733)
LONGITUDE = 109°26'20.07" (109.438908)	LONGITUDE = 109°26'31.82" (109.442172)
NAD 27 (TARGET BOTTOM HOLE)	**NAD 27 (SURFACE LOCATION)**
LATITUDE = 39°59'12.86" (39.986906)	LATITUDE = 39°59'05.16" (39.984767)
LONGITUDE = 109°26'17.61" (109.438225)	LONGITUDE = 109°26'29.36" (109.441489)

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

SCALE 1" = 1000'	DATE SURVEYED: 11-03-08	DATE DRAWN: 11-07-08
PARTY L.K. C.K. D.P.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE Kerr-McGee Oil & Gas Onshore LP	

'API Well No:43047504670000'

'APIWellNo:43047504670000'

Scientific Drilling
Rocky Mountain Operations

Project: Uintah County, UT NAD27
Site: NBU 1022-4B Pad
Well: NBU 922-33P3S
Wellbore: OH
Design: Plan #1

.err McGee Oil and Gas Onshore LP

T M

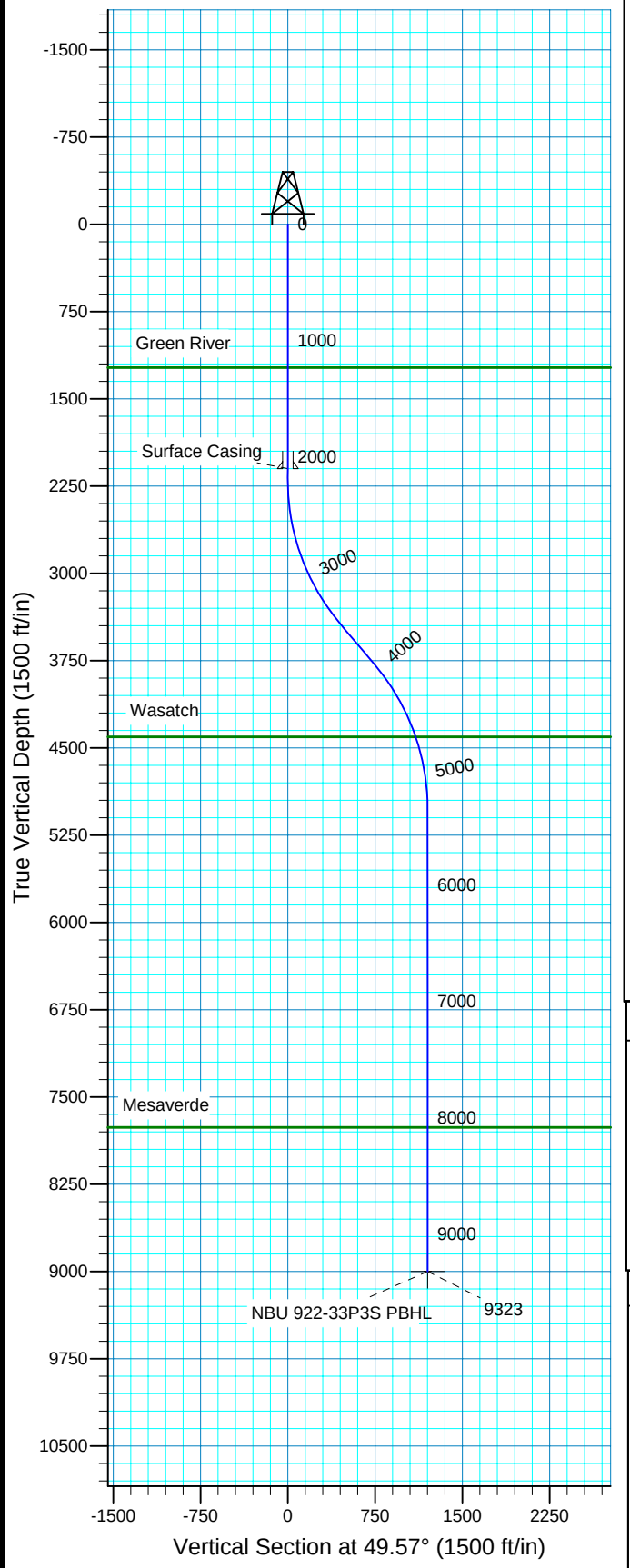
Azimuths to True North
Magnetic North: 11.35°

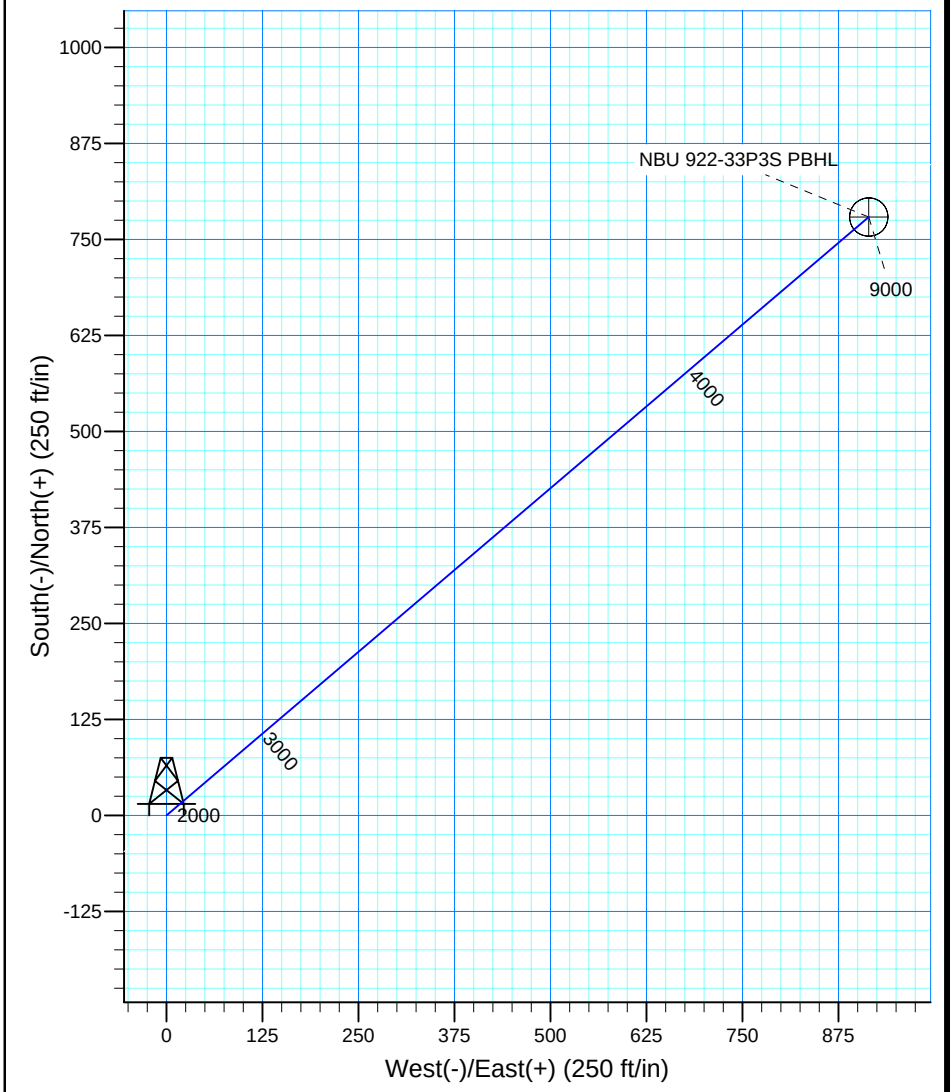
Magnetic Field
Strength: 52603.4snT
Dip Angle: 65.94°
Date: 12/11/2008
Model: IGRF2005-10

WELL DETAILS: NBU 922-33P3S

Ground Level: GL 5033' & RKB 18' @ 5051.00ft

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	608135.00	2576759.79	39° 59' 5.160 N	109° 26' 29.360 W





FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1231.00	1231.00	Green River
4406.00	4718.20	Wasatch
7761.00	8084.41	Mesaverde

Plan: Plan #1 (NBU 922-33P3S/OH)

Created By: Laura Turner Date: 2008-12-15

PROJECT DETAILS: Uintah County, UT NAD27

eodetic System: US State Plane 1927 (Exact so
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	
2200.00	0.00	0.00	2200.00	0.00	0.00	0.00	0.00	0.00	
3533.33	40.00	49.57	3427.63	289.76	340.13	3.00	49.57	446.82	
4012.11	40.00	49.57	3794.40	489.33	574.40	0.00	0.00	754.58	
5345.45	0.00	0.00	5022.03	779.09	914.53	3.00	180.00	1201.40	
9323.41	0.00	0.00	9000.00	779.09	914.53	0.00	0.00	1201.40	NBU 922-33P3S PBHL

Kerr McGee Oil and Gas Onshore LP

Uintah County, UT NAD27
NBU 1022-4B Pad
NBU 922-33P3S
OH

Plan: Plan #1

Standard Planning Report

15 December, 2008

Scientific Drilling

Planning Report

Database:	EDM2003.16 MultiuserDB	**Local Co-ordinate Reference:**	Well NBU 922-33P3S
Company:	Kerr McGee Oil and Gas Onshore LP	**TVD Reference:**	GL 5033' & RKB 18' @ 5051.00ft
Project:	Uintah County, UT NAD27	**MD Reference:**	GL 5033' & RKB 18' @ 5051.00ft
Site:	NBU 1022-4B Pad	**North Reference:**	True
Well:	NBU 922-33P3S	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

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 1022-4B Pad, Sec 4 T10S R22E

Site Position:		**Northing:**	608,184.35 ft	**Latitude:**	39° 59' 5.640 N
From:	Lat/Long	**Easting:**	2,576,792.91 ft	**Longitude:**	109° 26' 28.920 W
Position Uncertainty:	0.00 ft	**Slot Radius:**	in	**Grid Convergence:**	1.32 °

Well NBU 922-33P3S, 194' FNL 1852' FEL

Well Position	**+N/-S**	0.00 ft	**Northing:**	608,135.00 ft	**Latitude:**	39° 59' 5.160 N
	+E/-W	0.00 ft	**Easting:**	2,576,759.79 ft	**Longitude:**	109° 26' 29.360 W
Position Uncertainty		0.00 ft	**Wellhead Elevation:**	ft	**Ground Level:**	5,033.00 ft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2005-10	12/11/2008	11.35	65.94	52,603

Design Plan #1

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	49.57

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	
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,533.33	40.00	49.57	3,427.63	289.76	340.13	3.00	3.00	0.00	49.57	
4,012.11	40.00	49.57	3,794.40	489.33	574.40	0.00	0.00	0.00	0.00	
5,345.45	0.00	0.00	5,022.03	779.09	914.53	3.00	-3.00	0.00	180.00	
9,323.41	0.00	0.00	9,000.00	779.09	914.53	0.00	0.00	0.00	0.00	NBU 922-33P3S PE

Scientific Drilling

Planning Report

Database:	EDM2003.16 MultiuserDB	**Local Co-ordinate Reference:**	Well NBU 922-33P3S
Company:	Kerr McGee Oil and Gas Onshore LP	**TVD Reference:**	GL 5033' & RKB 18' @ 5051.00ft
Project:	Uintah County, UT NAD27	**MD Reference:**	GL 5033' & RKB 18' @ 5051.00ft
Site:	NBU 1022-4B Pad	**North Reference:**	True
Well:	NBU 922-33P3S	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

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
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,231.00	0.00	0.00	1,231.00	0.00	0.00	0.00	0.00	0.00	0.00
Green River									
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
2,300.00	3.00	49.57	2,299.95	1.70	1.99	2.62	3.00	3.00	0.00
2,400.00	6.00	49.57	2,399.63	6.78	7.96	10.46	3.00	3.00	0.00
2,500.00	9.00	49.57	2,498.77	15.25	17.90	23.51	3.00	3.00	0.00
2,600.00	12.00	49.57	2,597.08	27.06	31.77	41.74	3.00	3.00	0.00
2,700.00	15.00	49.57	2,694.31	42.20	49.54	65.08	3.00	3.00	0.00
2,800.00	18.00	49.57	2,790.18	60.62	71.16	93.48	3.00	3.00	0.00
2,900.00	21.00	49.57	2,884.43	82.26	96.56	126.85	3.00	3.00	0.00
3,000.00	24.00	49.57	2,976.81	107.08	125.69	165.12	3.00	3.00	0.00
3,100.00	27.00	49.57	3,067.06	134.99	158.46	208.16	3.00	3.00	0.00
3,200.00	30.00	49.57	3,154.93	165.93	194.78	255.87	3.00	3.00	0.00
3,300.00	33.00	49.57	3,240.18	199.81	234.55	308.12	3.00	3.00	0.00
3,400.00	36.00	49.57	3,322.59	236.54	277.66	364.75	3.00	3.00	0.00
3,500.00	39.00	49.57	3,401.91	276.01	323.99	425.62	3.00	3.00	0.00
3,533.33	40.00	49.57	3,427.63	289.76	340.13	446.82	3.00	3.00	0.00
3,600.00	40.00	49.57	3,478.70	317.55	372.75	489.67	0.00	0.00	0.00
3,700.00	40.00	49.57	3,555.31	359.23	421.68	553.95	0.00	0.00	0.00
3,800.00	40.00	49.57	3,631.91	400.92	470.61	618.23	0.00	0.00	0.00
3,900.00	40.00	49.57	3,708.52	442.60	519.54	682.51	0.00	0.00	0.00
4,000.00	40.00	49.57	3,785.12	484.29	568.47	746.79	0.00	0.00	0.00
4,012.11	40.00	49.57	3,794.40	489.33	574.40	754.58	0.00	0.00	0.00
4,100.00	37.36	49.57	3,863.00	524.95	616.21	809.50	3.00	-3.00	0.00
4,200.00	34.36	49.57	3,944.03	562.94	660.80	868.08	3.00	-3.00	0.00
4,300.00	31.36	49.57	4,028.02	598.13	702.10	922.34	3.00	-3.00	0.00
4,400.00	28.36	49.57	4,114.73	630.41	740.00	972.12	3.00	-3.00	0.00
4,500.00	25.36	49.57	4,203.93	659.71	774.40	1,017.31	3.00	-3.00	0.00
4,600.00	22.36	49.57	4,295.37	685.94	805.19	1,057.76	3.00	-3.00	0.00
4,700.00	19.36	49.57	4,388.80	709.04	832.30	1,093.37	3.00	-3.00	0.00

Scientific Drilling

Planning Report

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Company:	Kerr McGee Oil and Gas Onshore LP	**TVD Reference:**	GL 5033' & RKB 18' @ 5051.00ft
Project:	Uintah County, UT NAD27	**MD Reference:**	GL 5033' & RKB 18' @ 5051.00ft
Site:	NBU 1022-4B Pad	**North Reference:**	True
Well:	NBU 922-33P3S	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

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)
4,718.20	18.82	49.57	4,406.00	712.90	836.83	1,099.32	3.00	-3.00	0.00
Wasatch									
4,800.00	16.36	49.57	4,483.97	728.93	855.64	1,124.04	3.00	-3.00	0.00
4,900.00	13.36	49.57	4,580.62	745.56	875.17	1,149.69	3.00	-3.00	0.00
5,000.00	10.36	49.57	4,678.47	758.89	890.82	1,170.24	3.00	-3.00	0.00
5,100.00	7.36	49.57	4,777.26	768.88	902.54	1,185.65	3.00	-3.00	0.00
5,200.00	4.36	49.57	4,876.73	775.50	910.32	1,195.86	3.00	-3.00	0.00
5,300.00	1.36	49.57	4,976.59	778.74	914.12	1,200.86	3.00	-3.00	0.00
5,345.45	0.00	0.00	5,022.03	779.09	914.53	1,201.40	3.00	-3.00	0.00
5,400.00	0.00	0.00	5,076.59	779.09	914.53	1,201.40	0.00	0.00	0.00
5,500.00	0.00	0.00	5,176.59	779.09	914.53	1,201.40	0.00	0.00	0.00
5,600.00	0.00	0.00	5,276.59	779.09	914.53	1,201.40	0.00	0.00	0.00
5,700.00	0.00	0.00	5,376.59	779.09	914.53	1,201.40	0.00	0.00	0.00
5,800.00	0.00	0.00	5,476.59	779.09	914.53	1,201.40	0.00	0.00	0.00
5,900.00	0.00	0.00	5,576.59	779.09	914.53	1,201.40	0.00	0.00	0.00
6,000.00	0.00	0.00	5,676.59	779.09	914.53	1,201.40	0.00	0.00	0.00
6,100.00	0.00	0.00	5,776.59	779.09	914.53	1,201.40	0.00	0.00	0.00
6,200.00	0.00	0.00	5,876.59	779.09	914.53	1,201.40	0.00	0.00	0.00
6,300.00	0.00	0.00	5,976.59	779.09	914.53	1,201.40	0.00	0.00	0.00
6,400.00	0.00	0.00	6,076.59	779.09	914.53	1,201.40	0.00	0.00	0.00
6,500.00	0.00	0.00	6,176.59	779.09	914.53	1,201.40	0.00	0.00	0.00
6,600.00	0.00	0.00	6,276.59	779.09	914.53	1,201.40	0.00	0.00	0.00
6,700.00	0.00	0.00	6,376.59	779.09	914.53	1,201.40	0.00	0.00	0.00
6,800.00	0.00	0.00	6,476.59	779.09	914.53	1,201.40	0.00	0.00	0.00
6,900.00	0.00	0.00	6,576.59	779.09	914.53	1,201.40	0.00	0.00	0.00
7,000.00	0.00	0.00	6,676.59	779.09	914.53	1,201.40	0.00	0.00	0.00
7,100.00	0.00	0.00	6,776.59	779.09	914.53	1,201.40	0.00	0.00	0.00
7,200.00	0.00	0.00	6,876.59	779.09	914.53	1,201.40	0.00	0.00	0.00
7,300.00	0.00	0.00	6,976.59	779.09	914.53	1,201.40	0.00	0.00	0.00
7,400.00	0.00	0.00	7,076.59	779.09	914.53	1,201.40	0.00	0.00	0.00
7,500.00	0.00	0.00	7,176.59	779.09	914.53	1,201.40	0.00	0.00	0.00
7,600.00	0.00	0.00	7,276.59	779.09	914.53	1,201.40	0.00	0.00	0.00
7,700.00	0.00	0.00	7,376.59	779.09	914.53	1,201.40	0.00	0.00	0.00
7,800.00	0.00	0.00	7,476.59	779.09	914.53	1,201.40	0.00	0.00	0.00
7,900.00	0.00	0.00	7,576.59	779.09	914.53	1,201.40	0.00	0.00	0.00
8,000.00	0.00	0.00	7,676.59	779.09	914.53	1,201.40	0.00	0.00	0.00
8,084.41	0.00	0.00	7,761.00	779.09	914.53	1,201.40	0.00	0.00	0.00
Mesaverde									
8,100.00	0.00	0.00	7,776.59	779.09	914.53	1,201.40	0.00	0.00	0.00
8,200.00	0.00	0.00	7,876.59	779.09	914.53	1,201.40	0.00	0.00	0.00
8,300.00	0.00	0.00	7,976.59	779.09	914.53	1,201.40	0.00	0.00	0.00
8,400.00	0.00	0.00	8,076.59	779.09	914.53	1,201.40	0.00	0.00	0.00
8,500.00	0.00	0.00	8,176.59	779.09	914.53	1,201.40	0.00	0.00	0.00
8,600.00	0.00	0.00	8,276.59	779.09	914.53	1,201.40	0.00	0.00	0.00
8,700.00	0.00	0.00	8,376.59	779.09	914.53	1,201.40	0.00	0.00	0.00
8,800.00	0.00	0.00	8,476.59	779.09	914.53	1,201.40	0.00	0.00	0.00
8,900.00	0.00	0.00	8,576.59	779.09	914.53	1,201.40	0.00	0.00	0.00
9,000.00	0.00	0.00	8,676.59	779.09	914.53	1,201.40	0.00	0.00	0.00
9,100.00	0.00	0.00	8,776.59	779.09	914.53	1,201.40	0.00	0.00	0.00
9,200.00	0.00	0.00	8,876.59	779.09	914.53	1,201.40	0.00	0.00	0.00
9,300.00	0.00	0.00	8,976.59	779.09	914.53	1,201.40	0.00	0.00	0.00
9,323.41	0.00	0.00	9,000.00	779.09	914.53	1,201.40	0.00	0.00	0.00
NBU 922-33P3S PBHL									

Scientific Drilling

Planning Report

Database:	EDM2003.16 MultiuserDB	**Local Co-ordinate Reference:**	Well NBU 922-33P3S
Company:	Kerr McGee Oil and Gas Onshore LP	**TVD Reference:**	GL 5033' & RKB 18' @ 5051.00ft
Project:	Uintah County, UT NAD27	**MD Reference:**	GL 5033' & RKB 18' @ 5051.00ft
Site:	NBU 1022-4B Pad	**North Reference:**	True
Well:	NBU 922-33P3S	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

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)

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
NBU 922-33P3S PBH - plan hits target center - Circle (radius 25.00)	0.00	0.00	9,000.00	779.09	914.53	608,934.94	2,577,656.15	39° 59' 12.860 N	109° 26' 17.610 W

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 (°)
1,231.00	1,231.00	Green River		0.00	
4,718.20	4,406.00	Wasatch		0.00	
8,084.41	7,761.00	Mesaverde		0.00	

NBU 922-33P3S

Pad: NBU 1022-4B
Surface: 194’ FNL, 1,852’ FEL (NW/4NE/4) Sec. 4 T10S R22E - Lot 2
BHL: 585’ FSL 935’ FEL (SE/4SE/4) Sec. 33 T9S R22E

Uintah, Utah
Mineral Lease: UTU 01191

ONSHORE ORDER NO. 1

DRILLING PROGRAM

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

Formation	Depth	Resource
Uinta	0 – Surface	
Green River	1,231’	
Birds Nest	1,532’	Water
Mahogany	2,025’	Water
Wasatch	4,406’	Gas
Mesaverde	6,809’	Gas
MVU2	7,761’	Gas
MVL1	8,292’	Gas
TVD	9,000’	
TD	9,323’	

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 9,323’ TD, approximately equals 5,518 psi (calculated at 0.59 psi/foot).

Maximum anticipated surface pressure equals approximately 3,347 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. Variances:

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.

'APIWellNo:43047504670000'

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.

’APIWellNo:43047504670000’

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP	DATE	June 5, 2009
WELL NAME	**NBU 922-33P3S**	TD	9,000' TVD 9,323' MD
FIELD	Natural Buttes	COUNTY Uintah STATE Utah	FINISHED ELEVATION 5,034'
SURFACE LOCATION	NW/4 NE/4 194' FNL 1,852' FEL	Sec 4 T 10S R 22E	Lot 2
	Latitude: 39.984733	Longitude: -109.442172	NAD 83
BTM HOLE LOCATION	SE/4 SE/4 585' FSL 935' FEL	Sec 33 T 9S R 22E	
	Latitude: 39.986872	Longitude: -109.438908	NAD 83
OBJECTIVE ZONE(S)	Wasatch/Mesaverde		
ADDITIONAL INFO	Regulatory Agencies: BLM (Minerals), BLM (Surface), Tri-County Health Dept.		

GEOLOGICAL			MECHANICAL		
LOGS	FORMATION TOPS	DEPTH	HOLE SIZE	CASING SIZE	MUD WEIGHT
		20'	14"		
			12-1/4"	9-5/8", 36#, J-55, LTC	Air mist

All water flows encountered while drilling will be reported to the appropriate agencies.

Green River @	**1,231'**
Top of Birds Nest @	**1,532**
Mahogany @	**2,025**
Preset f/ GL @ 2,225' MD	

Note: 12.25" surface hole will usually be drilled ±400' below the lost circulation zone (aka bird's nest). Drilled depth may be ±200' of the estimated set depth depending on the acutal depth of the loss zone.

Wasatch @	**4,406'**

Mud logging program TBD

Cased hole logging program from TD - surf csg

HOLE SIZE	CASING SIZE	MUD WEIGHT
7-7/8"	4-1/2" 11.6# I-80 or equivalent LTC csg	Water / Fresh Water Mud 8.3-11.6 ppg

Mverde @	**6,809' TVD**
MVU2 @	**7,761' TVD**
MVU1 @	**8,292' TVD**

Max anticipated Mud required 11.6 ppg

	9,000' TVD
TD @	**9,323' MD**

’APIWellNo:43047504670000’

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	2,225	36.00	J-55	LTC	0.99	1.94	7.20
								7,780	6,350	201,000
PRODUCTION	4-1/2"	0	to	9,323	11.60	I-80	LTC	2.26	1.17	2.13

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 5,518 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500'	Premium cmt + 2% CaCl	215	60%	15.60	1.18
Option 1			+ 0.25 pps flocele				
	TOP OUT CMT (6 jobs)	1,200'	20 gals sodium silicate + Premium cmt	380	0%	15.60	1.18
			+ 2% CaCl + 0.25 pps flocele				
			Premium cmt + 2% CaCl				
SURFACE			**NOTE: If well will circulate water to surface, option 2 will be utilized**				
Option 2	LEAD	1,725'	65/35 Poz + 6% Gel + 10 pps gilsonite	410	35%	12.60	1.81
			+ 0.25 pps Flocele + 3% salt BWOW				
	TAIL	500'	Premium cmt + 2% CaCl	180	35%	15.60	1.18
			+ 0.25 pps flocele				
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	3,903'	Premium Lite II + 3% KCl + 0.25 pps	370	40%	11.00	3.38
			celloflake + 5 pps gilsonite + 10% gel				
			+ 0.5% extender				
	TAIL	5,420'	50/50 Poz/G + 10% salt + 2% gel	1,330	40%	14.30	1.31
			+ 0.1% R-3				

*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.

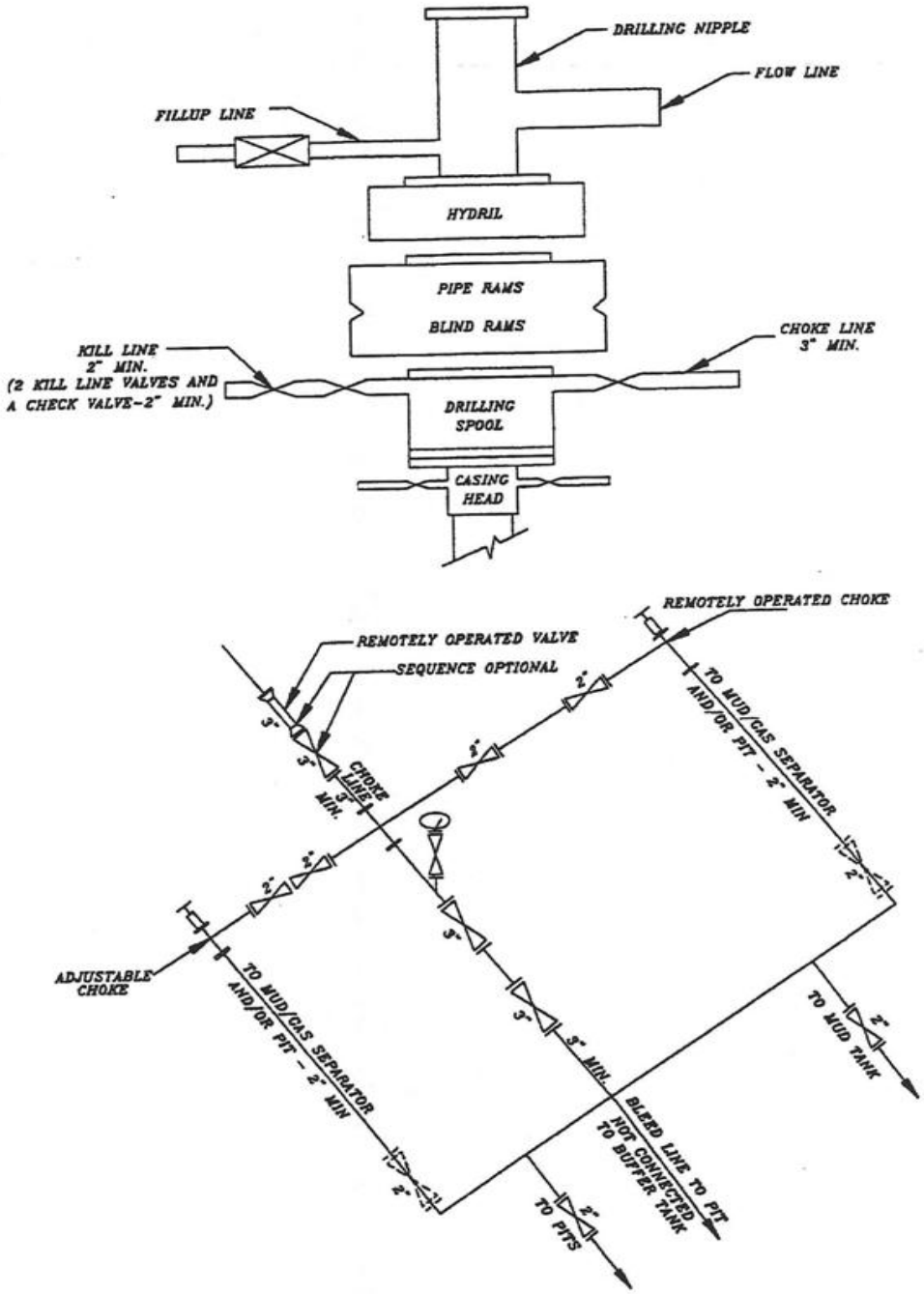
Surveys will be taken at 1,000' minimum intervals.

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

DRILLING ENGINEER: _____ **DATE:** _____
John Huycke / Emile Goodwin

DRILLING SUPERINTENDENT: _____ **DATE:** _____
John Merkel / Lovel Young

EXHIBIT A
NBU 922-33P3S



SCHEMATIC DIAGRAM OF 5,000 PSI BOP STACK

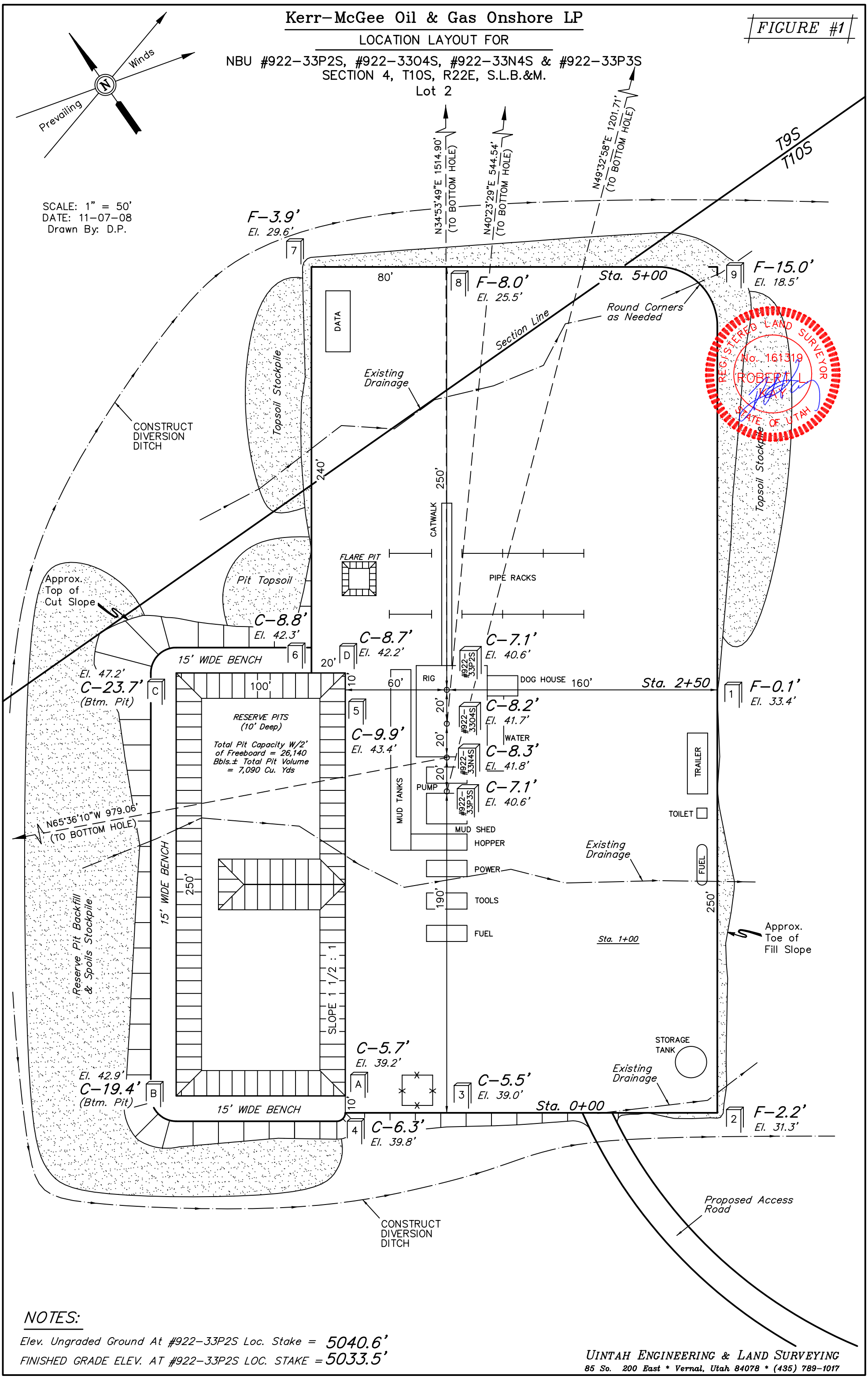
'APIWellNo:43047504670000'

Kerr-McGee Oil & Gas Onshore LP

LOCATION LAYOUT FOR

NBU #922-33P2S, #922-3304S, #922-33N4S & #922-33P3S
SECTION 4, T10S, R22E, S.L.B.&M.
Lot 2

FIGURE #1



NOTES:

Elev. Ungraded Ground At #922-33P2S Loc. Stake = 5040.6'

FINISHED GRADE ELEV. AT #922-33P2S LOC. STAKE = 5033.5'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

’APIWellNo:43047504670000’

Kerr–McGee Oil & Gas Onshore LP

FIGURE #2

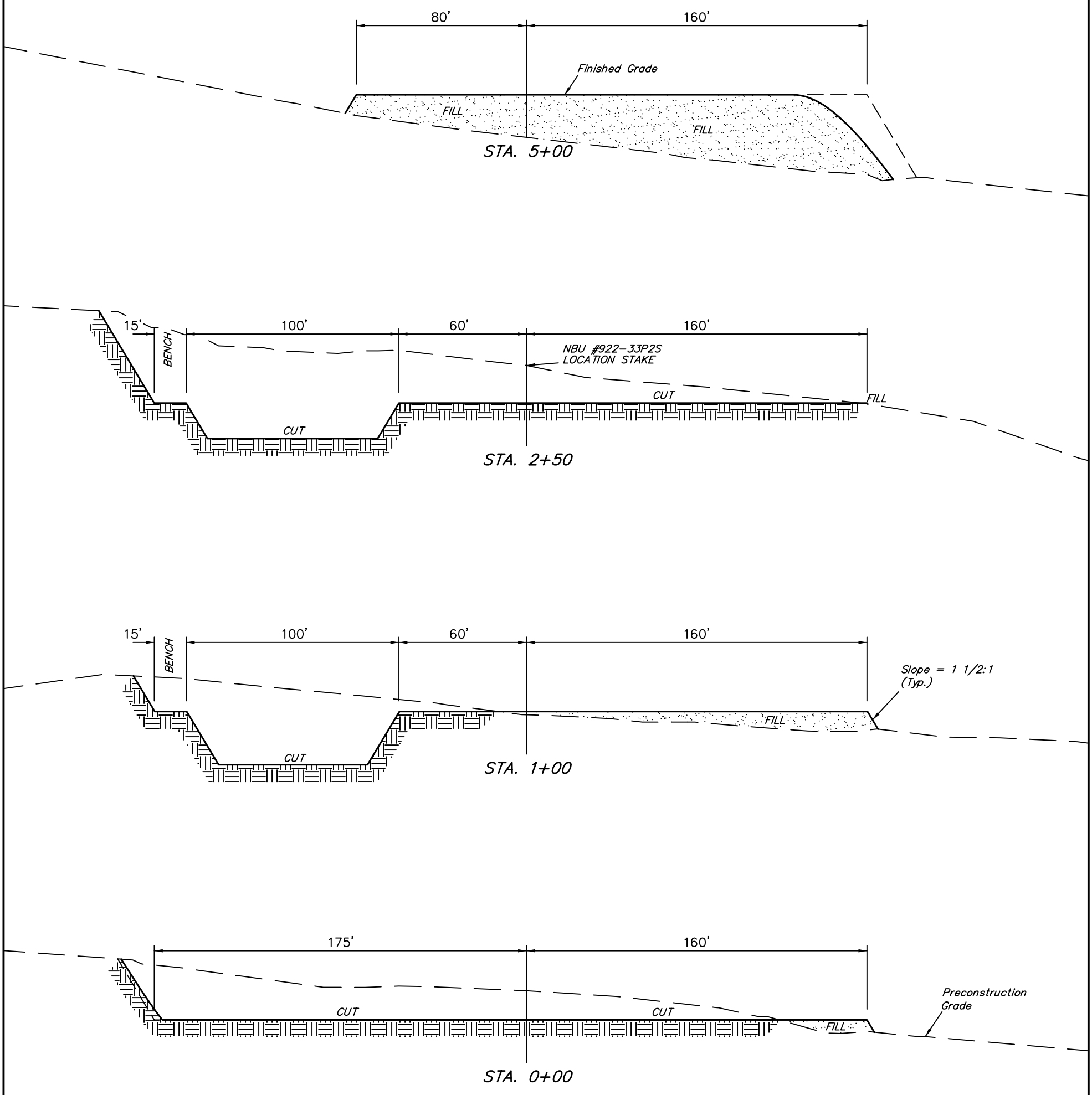
TYPICAL CROSS SECTIONS FOR

NBU #922–33P2S, #922–3304S, #922–33N4S & #922–33P3S
SECTION 4, T10S, R22E, S.L.B.&M.
Lot 2

1” = 20’
X–Section Scale
1” = 50’

DATE: 11–07–08
Drawn By: D.P.

REGISTERED LAND SURVEYOR
No. 161319
ROBERT L. KAY
STATE OF UTAH



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

APPROXIMATE YARDAGES

(6”) Topsoil Stripping = 3,140 Cu. Yds.
Remaining Location = 20,190 Cu. Yds.

TOTAL CUT = 23,330 CU.YDS.
FILL = 16,640 CU.YDS.

* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

EXCESS MATERIAL = 6,690 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.) = 6,690 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation) = 0 Cu. Yds.

APPROXIMATE ACREAGES

WELL SITE DISTURBANCE = ± 4.595 ACRES
ACCESS ROAD DISTURBANCE = ± 0.128 ACRES
PIPELINE DISTURBANCE = ± 0.055 ACRES
TOTAL = ± 4.778 ACRES

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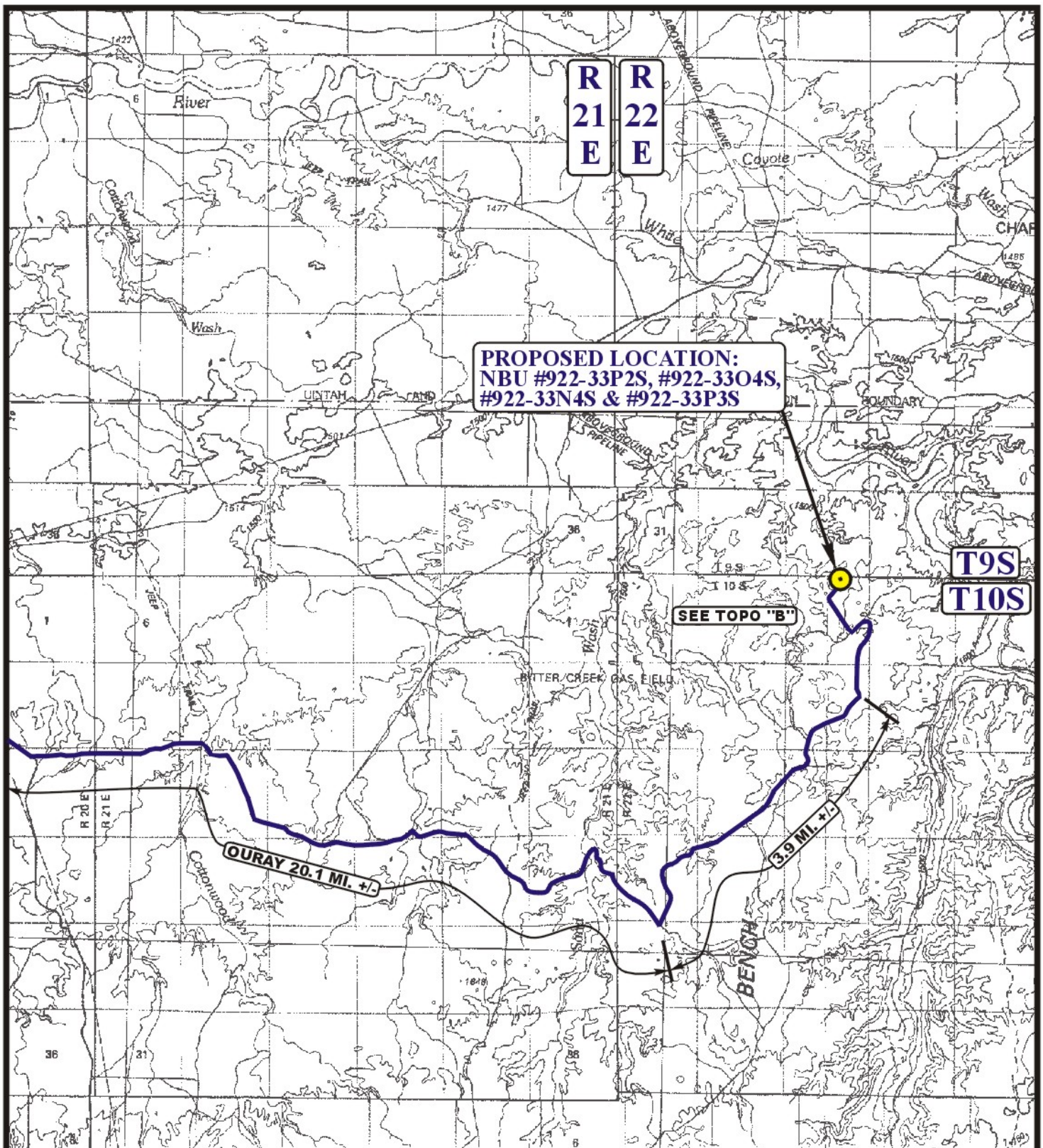


LEGEND:

PROPOSED LOCATION

N

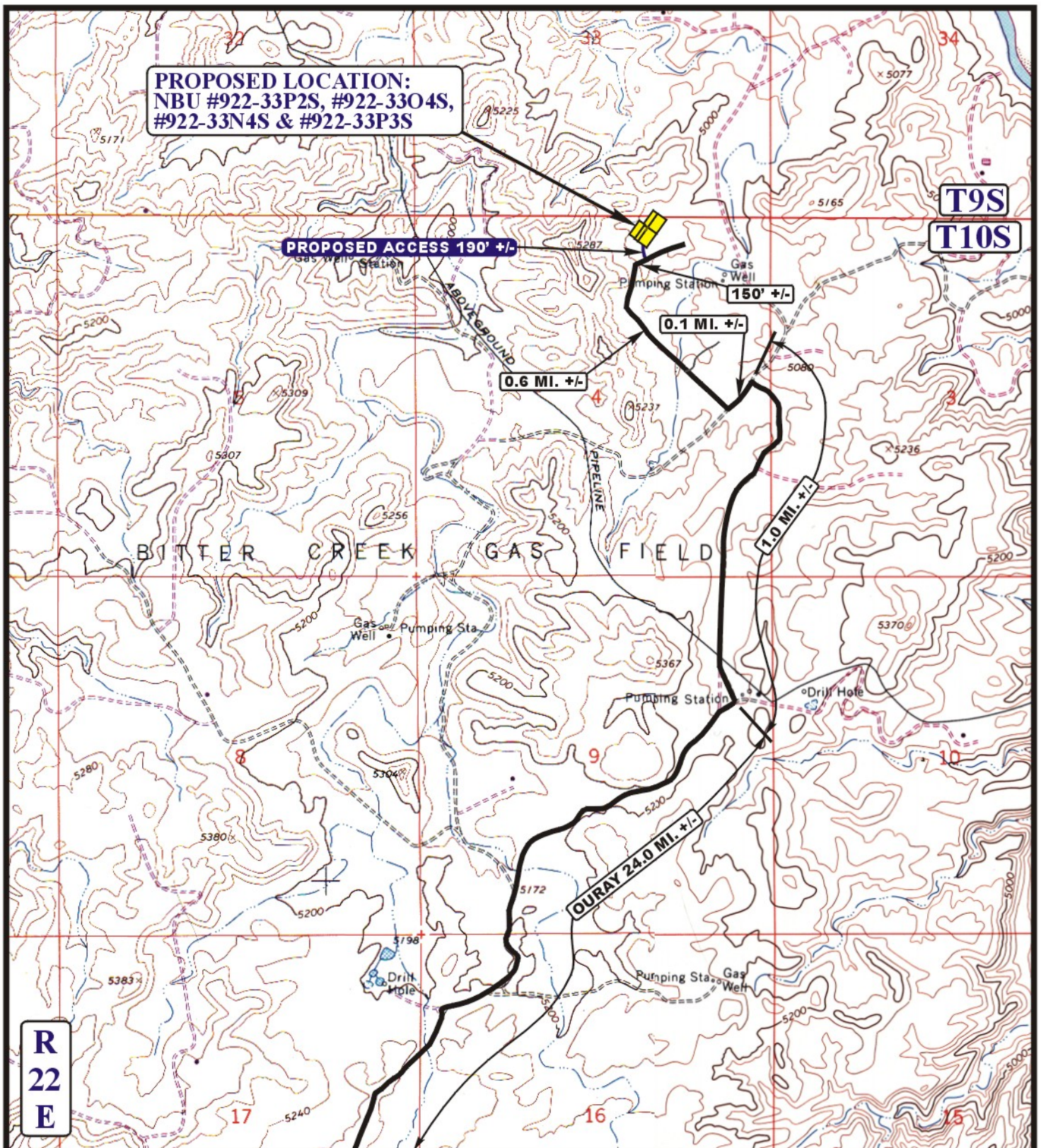
Kerr-McGee Oil & Gas Onshore LP

NBU #922-33P2S, #922-33O4S, #922-33N4S
& #922-33P3S
SECTION 4, T10S, R22E, S.L.B.&M.
LOT 2

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

TOPOGRAPHIC MAP	11 MONTH	10 DAY	08 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: D.P.	REVISED: 00-00-00		

’APIWellNo:43047504670000’



LEGEND:

EXISTING ROAD
PROPOSED ACCESS

N

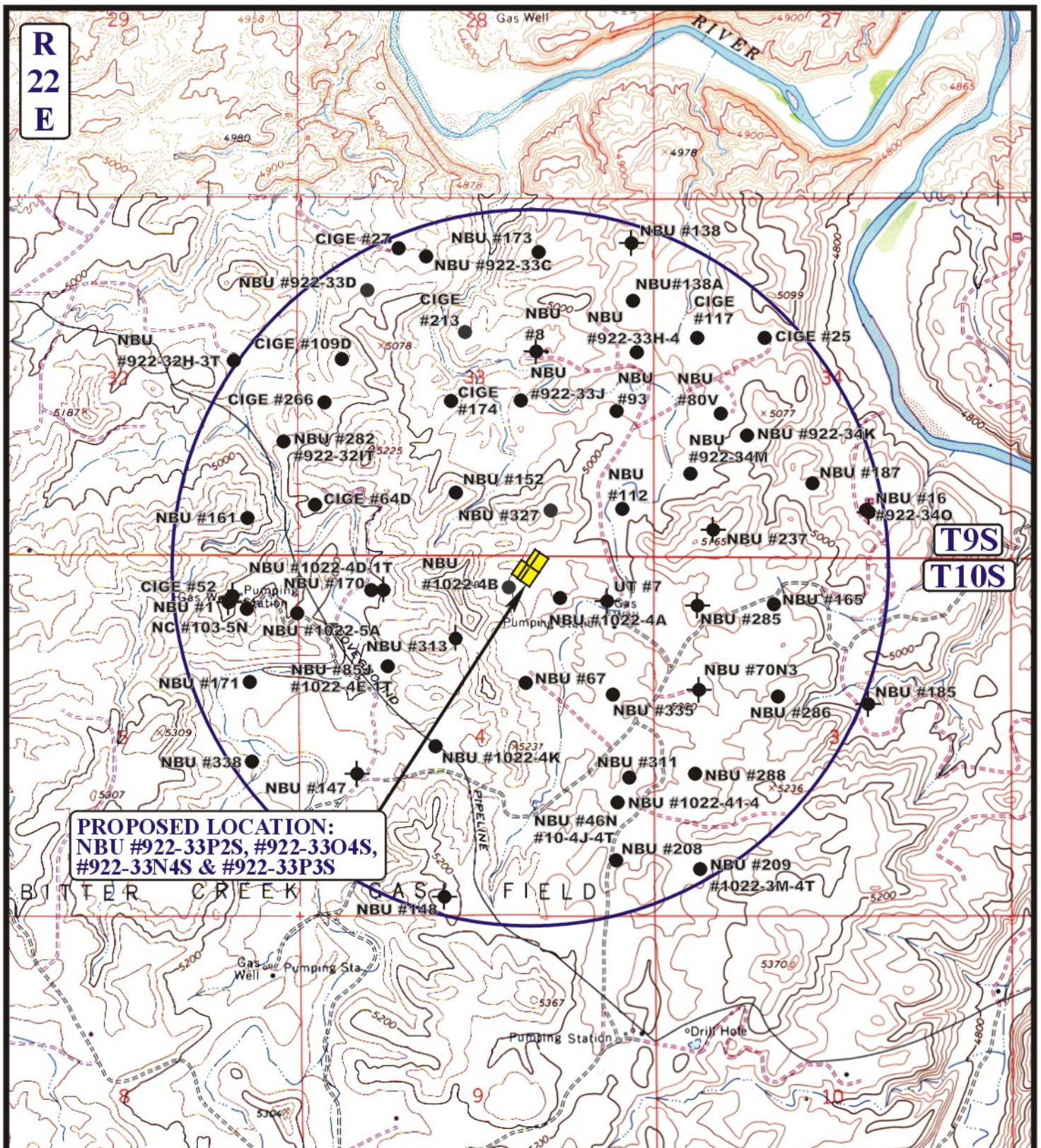
Kerr-McGee Oil & Gas Onshore LP

NBU #922-33P2S, #922-33O4S, #922-33N4S
& #922-33P3S
SECTION 4, T10S, R22E, S.L.B.&M.
LOT 2

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

TOPOGRAPHIC MAP	11 MONTH	10 DAY	08 YEAR	B TOPO
SCALE: 1" = 2000'	DRAWN BY: D.P.	REVISED: 00-00-00		

’APIWellNo:43047504670000’



LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

N

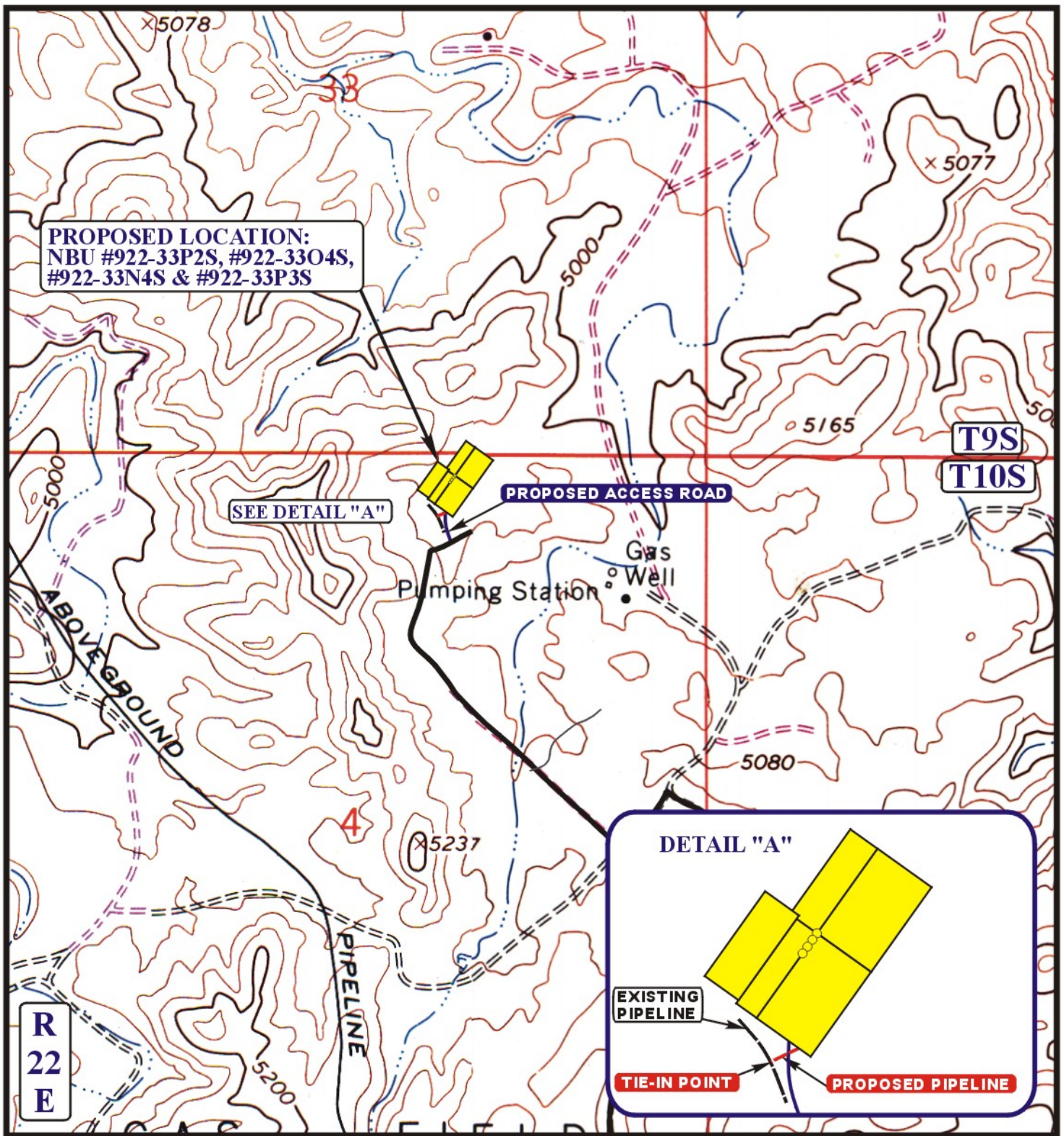
Kerr-McGee Oil & Gas Onshore LP

NBU #922-33P2S, #922-33O4S, #922-33N4S
& #922-33P3S
SECTION 4, T10S, R22E, S.L.B.&M.
LOT 2

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

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

’APIWellNo:43047504670000’



APPROXIMATE TOTAL PIPELINE DISTANCE = 80' +/-

LEGEND:

PROPOSED ACCESS ROAD
EXISTING PIPELINE
PROPOSED PIPELINE

N

Kerr-McGee Oil & Gas Onshore LP

NBU #922-33P2S, #922-33O4S, #922-33N4S
& #922-33P3S
SECTION 4, T10S, R22E, S.L.B.&M.
LOT 2

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

TOPOGRAPHIC MAP	11 MONTH	10 DAY	08 YEAR	D TOPO
SCALE: 1" = 1000'	DRAWN BY: D.P.	REVISED: 00-00-00		

Kerr-McGee Oil & Gas Onshore LP

NBU #922-33P2S, #922-33O4S, #922-33N4S & #922-33P3S

LOCATED IN UINTAH COUNTY, UTAH
SECTION 4, T10S, R22E, S.L.B.&M.

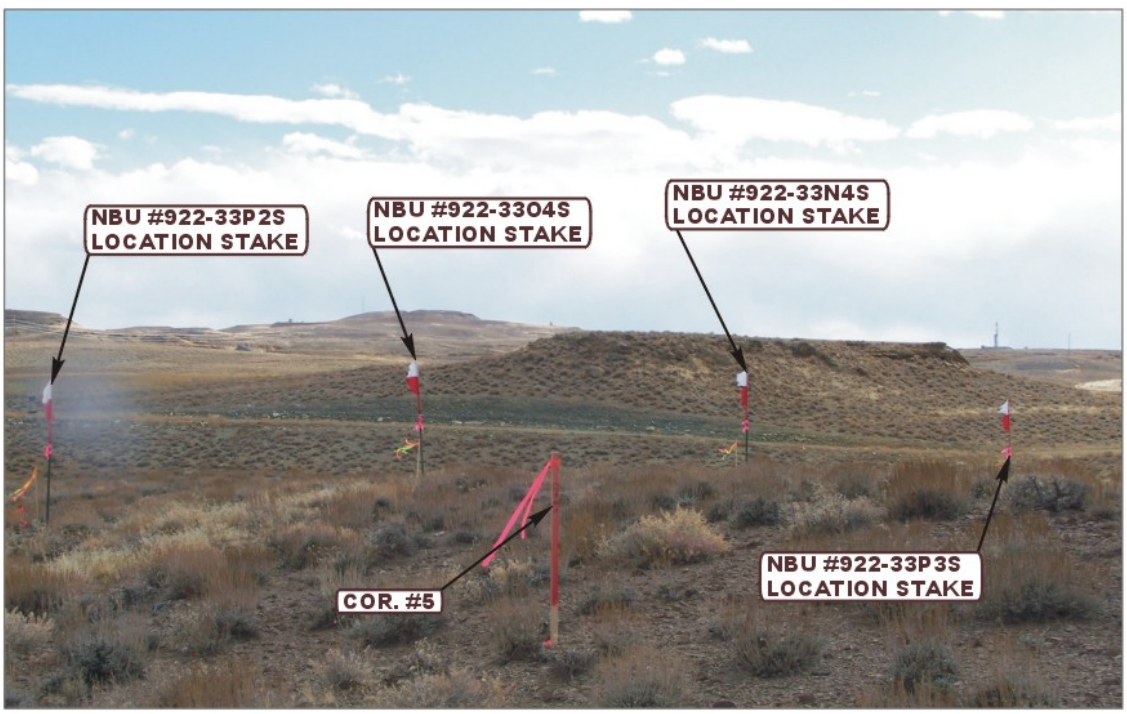


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKES — CAMERA ANGLE: SOUTHEASTERLY

PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS — CAMERA ANGLE: NORTHERLY

- Since 1964 -
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

LOCATION PHOTOS	11 MONTH	10 DAY	08 YEAR	PHOTO
TAKEN BY: L.K.	DRAWN BY: D.P.	REVISED: 00-00-00		

Kerr-McGee Oil & Gas Onshore LP

NBU #922-33P2S, #922-33O4S, #922-33N4S & #922-33P3S

PIPELINE ALIGNMENT

LOCATED IN UINTAH COUNTY, UTAH

SECTION 4, T10S, R22E, S.L.B.&M.

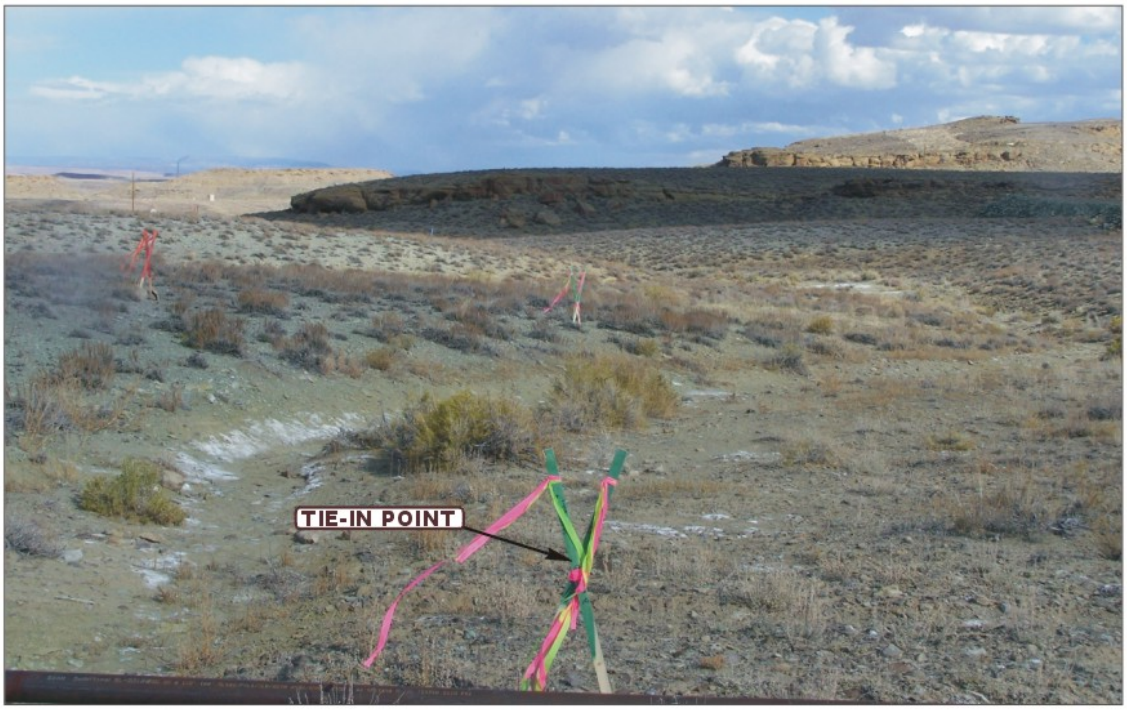


PHOTO: VIEW OF TIE-IN POINT

CAMERA ANGLE: NORTHEASTERLY

- Since 1964 -
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

PIPELINE PHOTOS	11 MONTH	10 DAY	08 YEAR	PHOTO
TAKEN BY: L.K.	DRAWN BY: D.P.	REVISED: 00-00-00		

Kerr-McGee Oil & Gas Onshore LP
NBU #922-33P2S, #922-33O4S, #922-33N4S & #922-33P3S
SECTION 4, T10S, 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, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 11.2 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 8.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 3.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN LEFT AND PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 1.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN LEFT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN RIGHT AND PROCEED IN A NORTHWESTERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 0.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 150’ TO THE BEGINNING OF THE PROPOSED ACCESS TO THE NORTH; FOLLOW ROAD FLAGS IN A NORTHERLY DIRECTION APPROXIMATELY 190’ TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 56.7 MILES.

NBU 922-33N4S
Surface: 178’ FNL, 1,840’ FEL (NW/4NE/4) Sec. 4 T10S R22E - Lot 2
BHL: 227’ FSL 2,546’ FWL (SE/4SW/4) Sec. 33 T9S R22E
Mineral Lease: UTU 01191A

NBU 922-33O4S
Surface: 162’ FNL, 1,829’ FEL (NW/4NE/4) Sec. 4 T10S R22E - Lot 2
BHL: 253’ FSL 1,474’ FEL (SW/4SE/4) Sec. 33 T9S R22E
Mineral Lease: UTU 01191

NBU 922-33P2S
Surface: 145’ FNL, 1,817’ FEL (NW/4NE/4) Sec. 4 T10S R22E - Lot 2
BHL: 1,097’ FSL 948’ FEL (SE/4SE/4) Sec. 33 T9S R22E
Mineral Lease: UTU 01191

NBU 922-33P3S
Surface: 194’ FNL, 1,852’ FEL (NW/4NE/4) Sec. 4 T10S R22E - Lot 2
BHL: 585’ FSL 935’ FEL (SE/4SE/4) Sec. 33 T9S R22E
Mineral Lease: UTU 01191

Pad: Bonanza 1022-4B

Uintah, Utah

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 in March 17, 2009 showing the surface locations in NW/4 NE/4 of Section 4 T10S 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 31, 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.
Approximately ±0.04 miles (±190') of 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

Danielle Piernot

June 8, 2009

Date

'APIWellNo:43047504670000'

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 922-33P3S
T9S-R22E
Section 33: SESE
Surface: 194' FNL, 1852' FEL
Bottom Hole: 585' FSL, 935' FEL
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 922-33P3S 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

'APIWellNo:43047504670000'

'APIWellNo:43047504670000'

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

'APIWellNo:43047504670000'

IPC #08-325

Paleontological Reconnaissance Survey Report

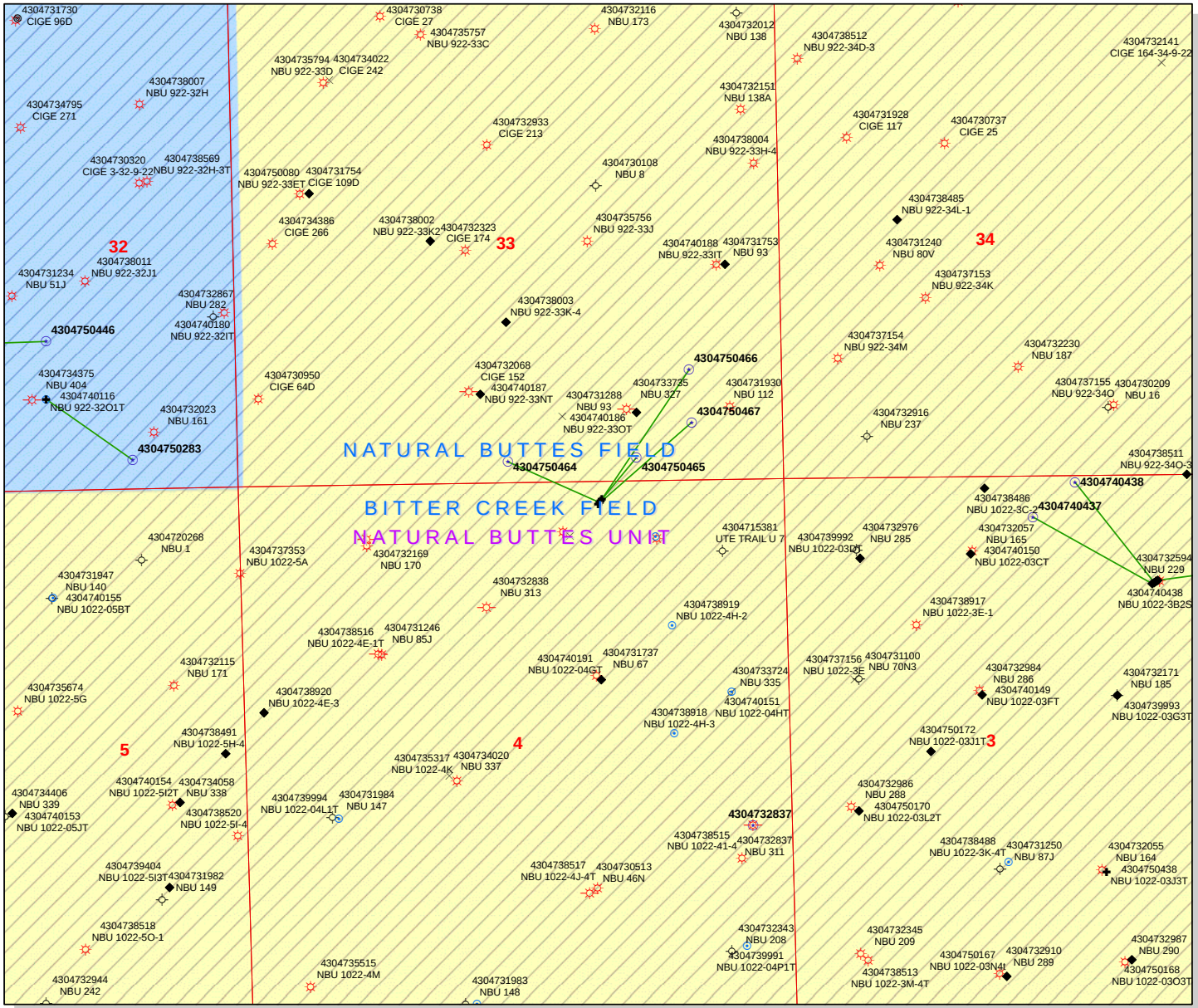
Survey of Kerr McGee's Proposed Multi-Well Pads, Access Roads, and Pipelines for "NBU #922-33E2DS, 33E3AS, 33F3DS, & 33E3DS" & "NBU #922-33P2S, 33P3S, 33N4S, & 33O4S" (Sec. 33, T 9 S, R 22 E) & (Sec. 4, T 10 S, R 22 E)

Archy Bench
Topographic Quadrangle
Uintah County, Utah

December 16, 2008

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

’APIWellNo:4304750467000’



API Number: 4304750467

Well Name: NBU 922-33P3S

Township 10.0 S Range 22.0 E Section 4

Meridian: SLBM

Operator: KERR-MCGEE OIL & GAS ONSHORE, L.P.

Map Prepared:
Map Produced by Diana Mason

Units
STATUS
ACTIVE
EXPLORATORY
GAS STORAGE
NF PP OIL
NF SECONDARY
PI OIL
PP GAS
PP GEOTHERML
PP OIL
SECONDARY
TERMINATED

Fields
STATUS
ACTIVE
COMBINED
Sections

Wells Query Events
<all other values>

GIS_STAT_TYPE
<Null>
APD
DRL
GI
GS
LA
NEW
OPS
PA
PGW
POW
RET
SGW
SOW
TA
TW
WD
WI
WS

1,200 600 0 1,200 Feet

1:12,000

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 12, 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)		
43-047-50465	NBU 922-33O4S	Sec 04 T10S R22E 0162 FNL 1829 FEL BHL Sec 33 T09S R22E 0253 FSL 1474 FEL
43-047-50464	NBU 922-33N4S	Sec 04 T10S R22E 0178 FNL 1840 FEL BHL Sec 33 T09S R22E 0227 FSL 2546 FWL
43-047-50466	NBU 922-33P2S	Sec 04 T10S R22E 0145 FNL 1817 FEL BHL Sec 33 T09S R22E 1097 FSL 0948 FEL
43-047-50467	NBU 922-33P3S	Sec 04 T10S R22E 0194 FNL 1852 FEL BHL Sec 33 T09S R22E 0585 FSL 0935 FEL

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:6-12-09

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 6/8/2009 **API NO. ASSIGNED:** 43047504670000
WELL NAME: NBU 922-33P3S
OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P. (N2995) **PHONE NUMBER:** 720 929-6156
CONTACT: Danielle Piernot

PROPOSED LOCATION: NWNE 4 100S 220E **Permit Tech Review:** ✔

SURFACE: 0194 FNL 1852 FEL **Engineering Review:** ✔

BOTTOM: 0585 FSL 0935 FEL **Geology Review:** ✔

COUNTY: UINTAH
LATITUDE: 39.98469 **LONGITUDE:** -109.44143
UTM SURF EASTINGS: 633075.00 **NORTHINGS:** 4427011.00
FIELD NAME: NATURAL BUTTES
LEASE TYPE: 1 - Federal
LEASE NUMBER: UTU 01191 **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**

Commingling 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
BHL SEC 33 T9S:

Stipulations: 3 - Commingling - ddoucet
4 - Federal Approval - 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 922-33P3S
API Well Number: 43047504670000
Lease Number: UTU 01191
Surface Owner: FEDERAL
Approval Date: 6/17/2009

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, completion into and commingling of production from the Wasatch and Mesaverde formations 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 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.

API Well No: 43047504670000

Notification Requirements:
Notify the Division within 24 hours of spudding the well.
- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.
- Contact Dustin Doucet at (801) 538-5281 office (801) 733-0983 home

Reporting Requirements:
All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

Approved By:

Gil Hunt
Associate Director, Oil & Gas

API Well No: 43047504670000

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU 01191

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 922-33P3S

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047504670000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0194 FNL 1852 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 4 Township: 10.0S 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		
✓ NOTICE OF INTENT Approximate date work will start: 7/1/2010	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	✓ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ 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 06, 2010

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Danielle Piernot	720 929-6156	Regulatory Analyst

SIGNATURE	DATE
N/A	7/1/2010

RECEIVED July 01, 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 43047504670000

API: 43047504670000
Well Name: NBU 922-33P3S
Location: 0194 FNL 1852 FEL QTR NWNE SEC 4 TWNP 100S RNG 220E MER S
Company Permit Issued to: KERR-MCGEE OIL & GAS ONSHORE, L.P.
Date Original Permit Issued: 7/1/2009

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:** 7/1/2010
Title: Regulatory Analyst **Representing:** KERR-MCGEE OIL & GAS ONSHORE, L.P.

Date: July 06, 2010

By:

RECEIVED July 01, 2010

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU 01191

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 922-33P3S

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047504670000

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: 0194 FNL 1852 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 04 Township: 10.0S 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		
✓ NOTICE OF INTENT Approximate date work will start: 7/1/2011	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	✓ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ 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: 06/20/2011

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Gina Becker	720 929-6086	Regulatory Analyst II

SIGNATURE	DATE
N/A	6/10/2011

RECEIVED Jun. 10, 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 43047504670000

API: 43047504670000
Well Name: NBU 922-33P3S
Location: 0194 FNL 1852 FEL QTR NWNE SEC 04 TWNP 100S RNG 220E MER S
Company Permit Issued to: KERR-MCGEE OIL & GAS ONSHORE, L.P.
Date Original Permit Issued: 7/1/2009

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:** 6/10/2011
Title: Regulatory Analyst II **Representing:** KERR-MCGEE OIL & GAS ONSHORE, L.P.

RECEIVED Jun. 10, 2011

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Green River District-Vernal Field Office
170 South 500 East
Vernal, UT 84078
(435) 781-4400 Fax: (435) 781-4410
http://www.blm.gov/ut/st/en/fo/vernal.html

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OCT 31 2011

IN REPLY REFER TO:
3160 (UTG011)

Julie Jacobson
Kerr McGee Oil & Gas Onshore LP
PO Box 173779
Denver, CO 80217-3779

43 047 50467

Re: Request to Return APD
Well No. NBU 922-33P3S
Lot 2, Sec. 4, T10S, R22E
Uintah County, Utah
Lease No. UTU-01191
Natural Buttes Unit

Dear Ms. Jacobson:

The Application for Permit to Drill (APD) for the above referenced well received in this office on June 9, 2009, is being returned unapproved per a request to this office in an email message from Andy Lytle received on February 14, 2011. If you intend to drill at this location at a future date, a new Application for Permit to Drill must be submitted.

If you have any questions regarding APD processing, please contact Cindy Severson at (435) 781-4455.

Sincerely,

Jerry Kenczka
Assistant Field Manager
Lands & Mineral Resources

Enclosures

cc: UDOGM

RECEIVED
NOV 07 2011
DIV. OF OIL, GAS & MINING

GARY R. HERBERT
Governor

GREG BELL
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

March 13, 2012

Jenn Hawkins
Kerr McGee Oil & Gas Onshore, L.P.
1099 18th Street, Suite 1800
Denver, CO 80202

Re: APDs Rescinded for Kerr McGee Oil & Gas Onshore, L.P.
Uintah County

Dear Ms. Hawkins:

Enclosed find the list of APDs that you requested to be rescinded. No drilling activity at these locations has been reported to the division. Therefore, approval to drill these wells is hereby rescinded, effective March 7, 2012.

A new APD must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

Diana Mason
Environmental Scientist

cc: Well File
Bureau of Land Management, Vernal
SITLA, Ed Bonner

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

UTAH DNR OIL, GAS & MINING

APINumber	Well Name
4304750274	NBU 727-35E
4304737762	FEDERAL 920-24G
4304750439	FEDERAL 1022-15L
4304750440	FEDERAL 1022-15K
4304750441	FEDERAL 1021-25I
4304750442	FEDERAL 1021-25M
4304750443	FEDERAL 1021-25N
4304738796	FEDERAL 1022-27K
4304738980	BITTER CREEK 1122-3N
4304737763	FEDERAL 920-24H
4304739156	NBU 1022-24O
4304736573	NBU 1022-23C
4304751040	NBU 920-22L4CS
4304751041	NBU 920-22M1BS
4304751042	NBU 920-22M4BS
4304751051	NBU 920-23L2DS
4304751052	NBU 920-23L4BS
4304738921	NBU 1022-8B-4T
4304739253	NBU 921-15L
4304738159	NBU 1022-20B
4304738169	NBU 1022-28I
4304750464	NBU 922-33N4S
4304750465	NBU 922-33O4S
4304750466	NBU 922-33P2S
4304750467	NBU 922-33P3S
4304738820	LOVE 1121-18B
4304740189	NBU 922-35IT
4304738491	NBU 1022-5H-4
4304750093	NBU 1022-34F
4304750094	NBU 1022-35M
4304750095	NBU 1022-34E
4304750097	FEDERAL 1022-27M
4304750067	NBU 921-16F3S
4304750068	NBU 921-16E4S
4304737103	FEDERAL 1022-29C
4304750127	NBU 420-29E
4304739527	NBU 1021-20F
4304739528	NBU 1021-20E
4304739530	NBU 1021-20B
4304738741	LOVE 1121-7P
4304738742	LOVE 1121-7L
4304738744	LOVE 1121-7F
4304738745	LOVE 1121-7D
4304738747	LOVE 1121-8P
4304738750	LOVE 1121-8F
4304738754	LOVE 1121-15L
4304738755	LOVE 1121-15N
4304739525	NBU 1021-20H
4304738795	NBU 1022-27O
4304738807	NBU 1022-34D
4304738920	NBU 1022-4E-3
4304737547	NBU 1022-17P
4304751050	NBU 920-23L1BS
4304737907	NBU 1021-3L
4304737908	NBU 1021-3D

4304737909	NBU 1021-3H
4304737917	NBU 1021-25E
4304737911	NBU 1021-24C
4304750029	NBU 375-13E
4304750033	NBU 515-25E
4304750034	NBU 673-25E
4304750035	NBU 674-25E
4304737963	NBU 1021-3G
4304737965	NBU 1021-5D
4304737684	NBU 498-13E