



Kerr-McGee Oil & Gas Onshore LP
1999 Broadway, Suite 3700
Denver, CO 80205

September 19, 2007

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 922-18F1BS
T9S R22E
Section 18: SENW
SWNW, Lot 2, 1886' FNL, 379' FWL (surface)
SEW 1375' FNL, 1868' FWL (bottom hole)
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 922-18F1BS 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 and the W/2, W/2NE/4 and SE/4 of Section 18 (federal leases USA UTU-0359, USA-UTU 0359-A and USA-UTU 0461).

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

A handwritten signature in black ink, appearing to read 'James C. Colligan III'.

James C. Colligan III
Landman

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-0359
b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name TRIBAL SURFACE
2. Name of Operator KERR MCGEE OIL AND GAS ONSHORE LP		7. If Unit or CA Agreement, Name and No. UNIT #891008900A
3A. Address 1368 SOUTH 1200 EAST VERNAL, UT 84078	3b. Phone No. (include area code) (435) 781-7024	8. Lease Name and Well No. NBU 922-18F1BS
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SW/NW 1886'FNL, 379'FWL (LOT 2) At proposed prod. Zone SE/NW 1375'FNL, 1868'FWL		9. API Well No. 43-047-39846
14. Distance in miles and direction from nearest town or post office* 17 +/- MILES FROM OURAY, UTAH		10. Field and Pool, or Exploratory NATURAL BUTTES
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 379'	16. No. of Acres in lease 162.39	11. Sec., T., R., M., or Blk. and Survey or Area SEC. 18, T9S, R22E
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. REFER TO TOPO C	19. Proposed Depth 10,151'	12. County or Parish UINTAH
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 4894'GL	20. BLM/BIA Bond No. on file RLB0005239	13. State UTAH
22. Approximate date work will start* UPON APPROVAL		17. Spacing Unit dedicated to this well 40.00
23. Estimated duration TO BE DETERMINED		

24. Attachments

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

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

25. Signature 	Name (Printed/Typed) SHEILA UPCHEGO	Date 11/16/2007
Title SENIOR LAND ADMIN SPECIALIST		
Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL	Date 12-03-07
Title ENVIRONMENTAL MANAGER		

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.

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.

*(Instructions on reverse)

Surf
628951X
4432867Y
40.038076
-109.488548

BHL
629401X
4433031Y
40.039477
-109.483249

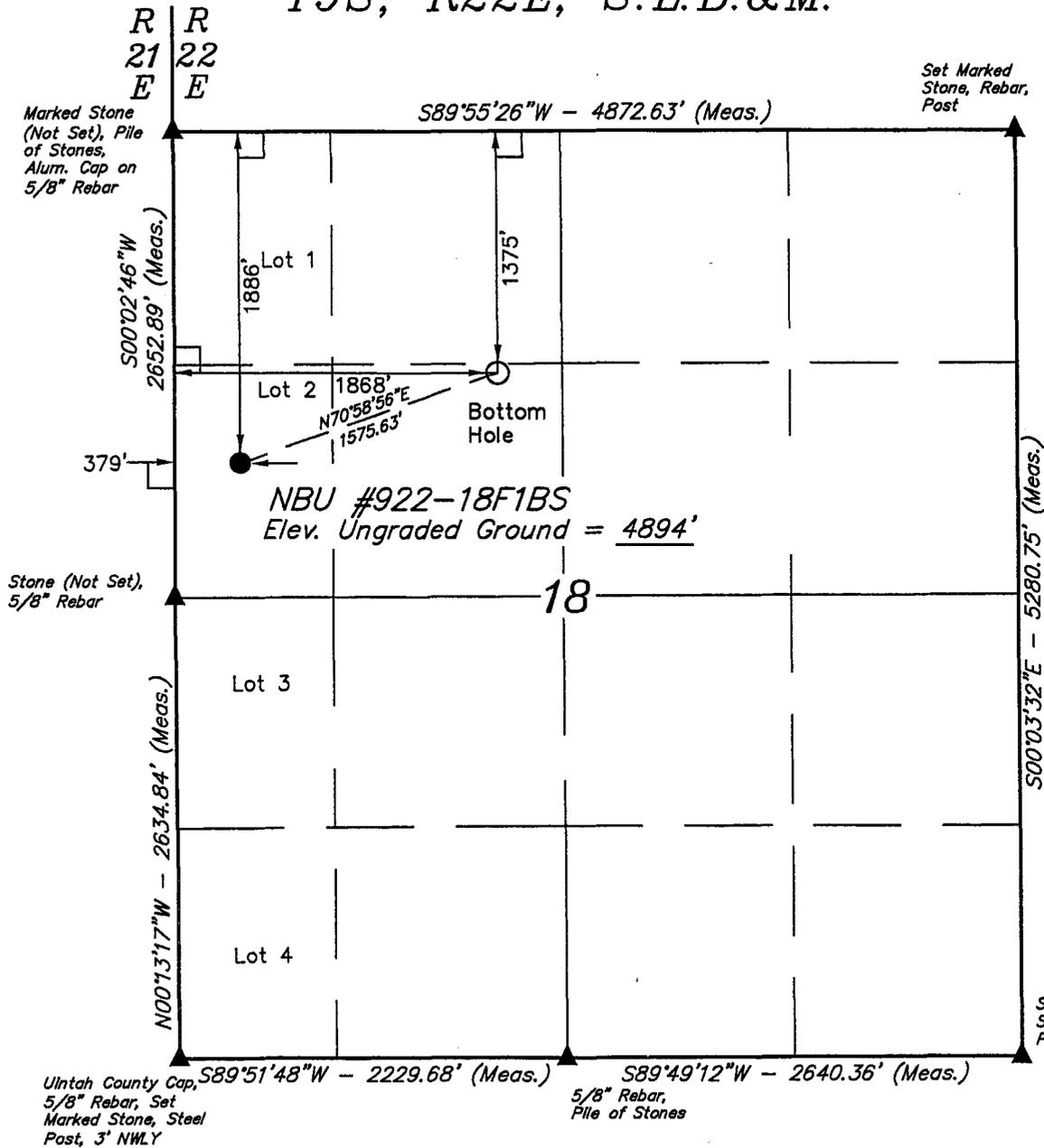
Federal Approval of this
Action is Necessary

RECEIVED

NOV 20 2007

DIV. OF OIL, GAS & MINING

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



Kerr-McGee Oil & Gas Onshore LP

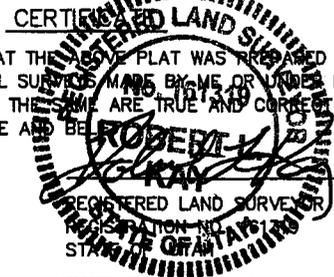
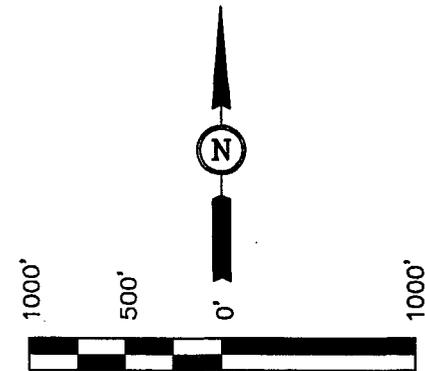
Well location, NBU #922-18F1BS, located as shown in Lot 2 of Section 18, T9S, R22E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

BENCH MARK (20EAM) LOCATED IN THE SE 1/4 OF SECTION 35, T8S, R21E, S.L.B.&M. TAKEN FROM THE OURAY SE QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4697 FEET.

BASIS OF BEARINGS

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



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

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)
LATITUDE = 40°02'17.05" (40.038069)
LONGITUDE = 109°29'21.75" (109.489375)
(NAD 27)
LATITUDE = 40°02'17.18" (40.038106)
LONGITUDE = 109°29'19.28" (109.488689)

SCALE 1" = 1000'	DATE SURVEYED: 05-07-07	DATE DRAWN: 05-17-07
PARTY D.K. L.K. C.H.		REFERENCES G.L.O. PLAT
WEATHER WARM	FILE Kerr-McGee Oil & Gas Onshore LP	

NBU 922-18F1BS
SW/NW LOT 2, SEC. 18, T9S, R22E
UINTAH COUNTY, UTAH
UTU-0359

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. Estimated Tops of Important Geologic Markers:

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	1826'
Top of Birds Nest Water	2108'
Mahogany	2465'
Wasatch	5077'
Mesaverde	7780'
MVU2	8721'
MVL1	9237'
TVD	9860'
TD (MD)	10,151'

2. Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	1826'
	Top of Birds Nest Water	2108'
	Mahogany	2465'
Gas	Wasatch	5077'
Gas	Mesaverde	7780'
Gas	MVU2	8721'
Gas	MVL1	9860'
Water	N/A	
Other Minerals	N/A	

3. Pressure Control Equipment (Schematic Attached)

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

4. Proposed Casing & Cementing Program:

Please see the Natural Buttes Unit SOP.

5. Drilling Fluids Program:

Please see the Natural Buttes Unit SOP.

6. **Evaluation Program:**

Please see the Natural Buttes Unit SOP.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 10,151' TD, approximately equals 6294 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 4061 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 see Natural Buttes Unit SOP.

10. **Other Information:**

Please see Natural Buttes Unit SOP.



**KERR-McGEE OIL & GAS ONSHORE LP
DRILLING PROGRAM**

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'						
SURFACE	9-5/8"	0 to 2700	36.00	J-55	LTC	3520 0.89	2020 1.60	453000 5.93
PRODUCTION	4-1/2"	0 to 10151	11.60	I-80	LTC	7780 1.97	6350 1.03	201000 1.96

- 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 - (.22 psi/ft-partial evac gradient x TD)
 (Burst Assumptions: TD = 0.0 ppg) .22 psi/ft = gradient for partially evac wellbore
 (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoys Fact. of water)
 MASP 3943 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500	Premium cmt + 2% CaCl + 25 pps flocele	215	60%	15.60	1.18
Option 1	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	50		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE	LEAD	1500	NOTE: If well will circulate water to surface, option 2 will be utilized 65/35 Poz + 6% Gel + 10 pps gilsonite + 25 pps Flocele + 3% salt BWOW	360	35%	12.60	1.81
Option 2	TAIL	500	Premium cmt + 2% CaCl + 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	7,271'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	790	60%	11.00	3.38
	TAIL	2,880'	50/50 Poz/G + 10% salt + 2% gel + .1% R-3	810	60%	14.30	1.31

*Substitute caliper hole volume plus 15% excess 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. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

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. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.
 Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.
 Most rigs have PVT System for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER: _____ DATE: _____
 Brad Laney
 DRILLING SUPERINTENDENT: _____ DATE: _____
 Randy Bayne



Weatherford[®]

Drilling Services

Proposal



ANADARKO - KERR MCGEE

NBU 922-18F1BS

UINTAH COUNTY, UTAH

WELL FILE: PLAN 1

SEPTEMBER 24, 2007

Weatherford International, Ltd.

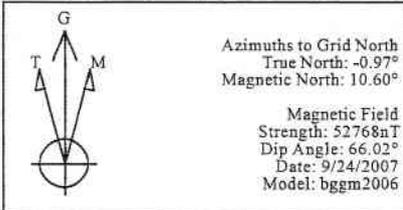
15710 John F. Kennedy Blvd

Houston, Texas 77032 USA

+1.281.260.1300 Main

+1.281.260.4730 Fax

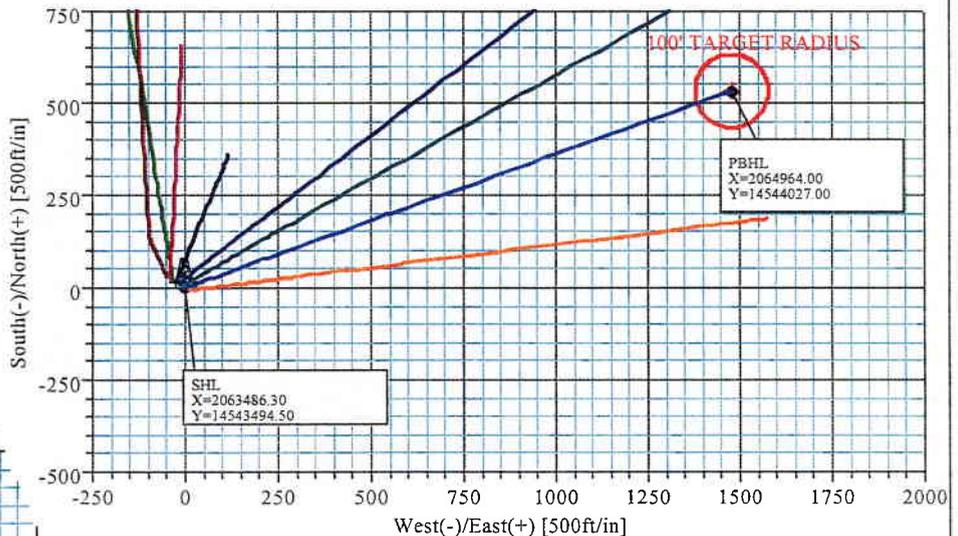
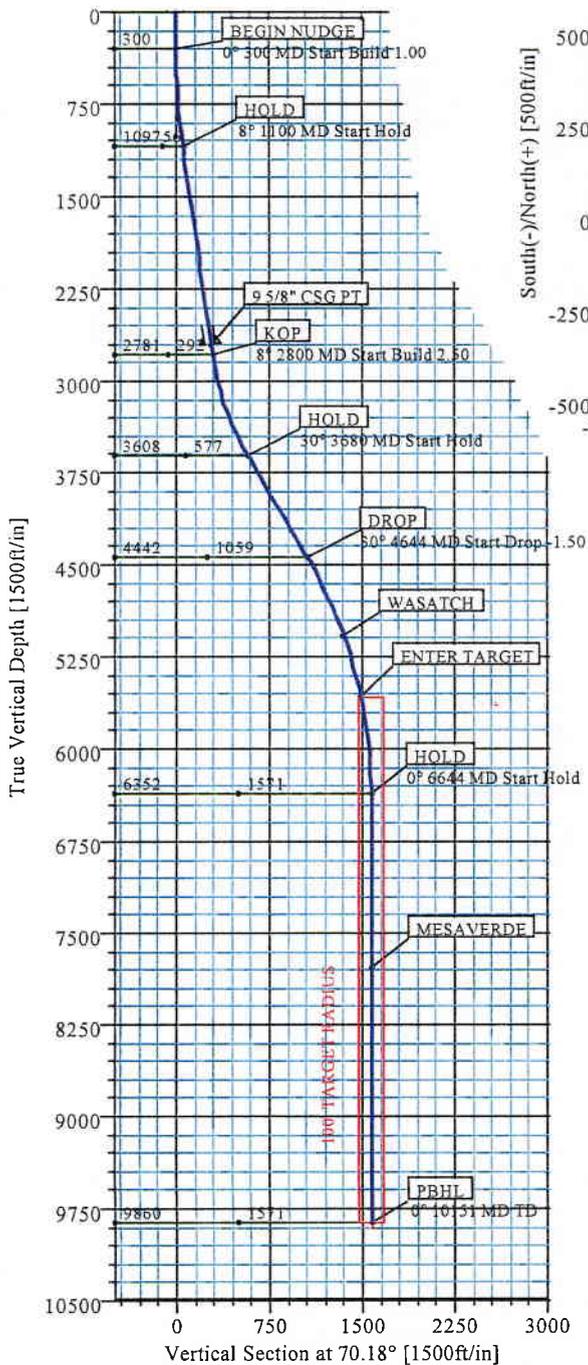
www.weatherford.com



SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	70.18	0.00	0.00	0.00	0.00	0.00	0.00	
2	300.00	0.00	70.18	300.00	0.00	0.00	0.00	70.18	0.00	
3	1100.00	8.00	70.18	1097.40	18.90	52.46	1.00	70.18	55.76	
4	2800.00	8.00	70.18	2780.85	99.11	275.04	0.00	0.00	292.35	
5	3680.00	30.00	70.18	3607.81	195.65	542.92	2.50	0.00	577.10	
6	4643.75	30.00	70.18	4442.45	359.01	996.26	0.00	0.00	1058.97	
7	6643.75	0.00	70.18	6352.30	532.50	1477.70	1.50	180.00	1570.72	
8	10151.45	0.00	70.18	9860.00	532.50	1477.70	0.00	0.00	1570.72	PBHL

WELL DETAILS							
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
922-18F1BS	0.00	0.00	14543494.50	2063486.30	40°02'17.025N	109°29'18.754W	N/A

KB = 4908'
GR = 4893'



LEGEND

- 922-18C4BS
- 922-18C4CS
- 922-18D2S
- 922-18D3BS
- 922-18D3DS
- 922-18E2S
- 922-18F1CS
- 922-18F1BS
- Plan #1

FORMATION TOP DETAILS			
No.	TVDPath	MDPath	Formation
1	5077.00	5343.48	WASATCH
2	7780.00	8071.45	MESAVERDE

FIELD DETAILS

UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)

Geodetic System: Universal Transverse Mercator (USfeet)
 Ellipsoid: NAD27 (Clarke 1866)
 Zone: UTM Zone 12, North 114W to 108W
 Magnetic Model: bggm2006

System Datum: Mean Sea Level
 Local North: Grid North

CASING DETAILS				
No.	TVD	MD	Name	Size
1	2700.00	2718.35	9 5/8" CSG PT	9.625

Plan: Plan #1 (922-18F1BS/1)
 Created By: L WINCHELL
 Date: 9/25/2007

Company: Anadarko-Kerr-McGee	Date: 9/25/2007	Time: 16:02:01	Page: 1
Field: UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)	Co-ordinate(NE) Reference: Site: NBU 922-18F1BS PAD CDEF		
Site: NBU 922-18F1BS PAD CDEF	Vertical (TVD) Reference: SITE 4908.0		
Well: 922-18F1BS	Section (VS) Reference: Well (0.00N,0.00E,70.18Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Field: UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)

Map System: Universal Transverse Mercator (USfeet)	Map Zone: UTM Zone 12, North 114W to 108W
Geo Datum: NAD27 (Clarke 1866)	Coordinate System: Site Centre
Sys Datum: Mean Sea Level	Geomagnetic Model: bggm2006

Site: NBU 922-18F1BS PAD CDEF

1886' FNL 379' FWL SEC 18-T9S-R22E

Site Position:	Northing: 14543494.50 ft	Latitude: 40 2 17.025 N	
From: Map	Easting: 2063486.30 ft	Longitude: 109 29 18.754 W	
Position Uncertainty: 0.00 ft		North Reference: Grid	
Ground Level: 4893.00 ft		Grid Convergence: 0.97 deg	

Well: 922-18F1BS	Slot Name:
Well Position: +N/-S 0.00 ft	Latitude: 40 2 17.025 N
+E/-W 0.00 ft	Longitude: 109 29 18.754 W
Position Uncertainty: 0.00 ft	

Wellpath: 1	Drilled From: Surface
Current Datum: SITE	Tie-on Depth: 0.00 ft
Magnetic Data: 9/24/2007	Above System Datum: Mean Sea Level
Field Strength: 52768 nT	Declination: 11.57 deg
Vertical Section: Depth From (TVD)	Mag Dip Angle: 66.02 deg
ft	ft
+N/-S	+E/-W
ft	ft
0.00	0.00
0.00	0.00
0.00	70.18

Plan: Plan #1	Date Composed: 9/24/2007
Principal: Yes	Version: 1
	Tied-to: From Surface

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	70.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	70.18	300.00	0.00	0.00	0.00	0.00	0.00	70.18	
1100.00	8.00	70.18	1097.40	18.90	52.46	1.00	1.00	0.00	70.18	
2800.00	8.00	70.18	2780.86	99.11	275.04	0.00	0.00	0.00	0.00	
3680.00	30.00	70.18	3607.81	195.65	542.92	2.50	2.50	0.00	0.00	
4643.75	30.00	70.18	4442.45	359.01	996.26	0.00	0.00	0.00	0.00	
6643.75	0.00	70.18	6352.30	532.50	1477.70	1.50	-1.50	0.00	180.00	
10151.45	0.00	70.18	9860.00	532.50	1477.70	0.00	0.00	0.00	0.00	PBHL

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
0.00	0.00	70.18	0.00	0.00	0.00	0.00	0.00	14543494.50	2063486.30	
100.00	0.00	70.18	100.00	0.00	0.00	0.00	0.00	14543494.50	2063486.30	
200.00	0.00	70.18	200.00	0.00	0.00	0.00	0.00	14543494.50	2063486.30	
300.00	0.00	70.18	300.00	0.00	0.00	0.00	0.00	14543494.50	2063486.30	BEGIN NUDGE
400.00	1.00	70.18	399.99	0.30	0.82	0.87	1.00	14543494.80	2063487.12	
500.00	2.00	70.18	499.96	1.18	3.28	3.49	1.00	14543495.68	2063489.58	
600.00	3.00	70.18	599.86	2.66	7.39	7.85	1.00	14543497.16	2063493.69	
700.00	4.00	70.18	699.68	4.73	13.13	13.96	1.00	14543499.23	2063499.43	
800.00	5.00	70.18	799.37	7.39	20.51	21.80	1.00	14543501.89	2063506.81	
900.00	6.00	70.18	898.90	10.64	29.53	31.39	1.00	14543505.14	2063515.83	
1000.00	7.00	70.18	998.26	14.48	40.18	42.71	1.00	14543508.98	2063526.48	
1100.00	8.00	70.18	1097.40	18.90	52.46	55.76	1.00	14543513.40	2063538.76	HOLD
1200.00	8.00	70.18	1196.43	23.62	65.55	69.68	0.00	14543518.12	2063551.85	
1300.00	8.00	70.18	1295.46	28.34	78.64	83.59	0.00	14543522.84	2063564.94	

Company: Anadarko-Kerr-McGee	Date: 9/25/2007	Time: 16:02:01	Page: 2
Field: UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)	Co-ordinate(NE) Reference:	Site: NBU 922-18F1BS PAD CDEF	
Site: NBU 922-18F1BS PAD CDEF	Vertical (TVD) Reference:	SITE: 4908.0	
Well: 922-18F1BS	Section (VS) Reference:	Well (0.00N,0.00E,70.18Azi)	
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
1400.00	8.00	70.18	1394.48	33.06	91.74	97.51	0.00	14543527.56	2063578.04	
1500.00	8.00	70.18	1493.51	37.78	104.83	111.43	0.00	14543532.28	2063591.13	
1600.00	8.00	70.18	1592.54	42.49	117.92	125.35	0.00	14543536.99	2063604.22	
1700.00	8.00	70.18	1691.56	47.21	131.02	139.26	0.00	14543541.71	2063617.32	
1800.00	8.00	70.18	1790.59	51.93	144.11	153.18	0.00	14543546.43	2063630.41	
1900.00	8.00	70.18	1889.62	56.65	157.20	167.10	0.00	14543551.15	2063643.50	
2000.00	8.00	70.18	1988.64	61.37	170.30	181.02	0.00	14543555.87	2063656.60	
2100.00	8.00	70.18	2087.67	66.09	183.39	194.93	0.00	14543560.59	2063669.69	
2200.00	8.00	70.18	2186.70	70.80	196.48	208.85	0.00	14543565.30	2063682.78	
2300.00	8.00	70.18	2285.72	75.52	209.58	222.77	0.00	14543570.02	2063695.88	
2400.00	8.00	70.18	2384.75	80.24	222.67	236.68	0.00	14543574.74	2063708.97	
2500.00	8.00	70.18	2483.78	84.96	235.76	250.60	0.00	14543579.46	2063722.06	
2600.00	8.00	70.18	2582.81	89.68	248.85	264.52	0.00	14543584.18	2063735.15	
2700.00	8.00	70.18	2681.83	94.39	261.95	278.44	0.00	14543588.89	2063748.25	
2718.35	8.00	70.18	2700.00	95.26	264.35	280.99	0.00	14543589.76	2063750.65	9 5/8" CSG PT
2800.00	8.00	70.18	2780.86	99.11	275.04	292.35	0.00	14543593.61	2063761.34	KOP
2900.00	10.50	70.18	2879.55	104.56	290.16	308.43	2.50	14543599.06	2063776.46	
3000.00	13.00	70.18	2977.45	111.47	309.32	328.79	2.50	14543605.97	2063795.62	
3100.00	15.50	70.18	3074.36	119.81	332.47	353.40	2.50	14543614.31	2063818.77	
3200.00	18.00	70.18	3170.11	129.58	359.59	382.22	2.50	14543624.08	2063845.89	
3300.00	20.50	70.18	3264.51	140.76	390.60	415.19	2.50	14543635.26	2063876.90	
3400.00	23.00	70.18	3357.39	153.32	425.46	452.24	2.50	14543647.82	2063911.76	
3500.00	25.50	70.18	3448.56	167.24	464.09	493.31	2.50	14543661.74	2063950.39	
3600.00	28.00	70.18	3537.85	182.50	506.44	538.31	2.50	14543677.00	2063992.74	
3680.00	30.00	70.18	3607.81	195.65	542.92	577.10	2.50	14543690.15	2064029.22	HOLD
3700.00	30.00	70.18	3625.13	199.04	552.33	587.10	0.00	14543693.54	2064038.63	
3800.00	30.00	70.18	3711.74	215.99	599.37	637.10	0.00	14543710.49	2064085.67	
3900.00	30.00	70.18	3798.34	232.94	646.41	687.10	0.00	14543727.44	2064132.71	
4000.00	30.00	70.18	3884.94	249.89	693.45	737.10	0.00	14543744.39	2064179.75	
4100.00	30.00	70.18	3971.54	266.84	740.49	787.10	0.00	14543761.34	2064226.79	
4200.00	30.00	70.18	4058.15	283.79	787.52	837.10	0.00	14543778.29	2064273.82	
4300.00	30.00	70.18	4144.75	300.74	834.56	887.10	0.00	14543795.24	2064320.86	
4400.00	30.00	70.18	4231.35	317.69	881.60	937.10	0.00	14543812.19	2064367.90	
4500.00	30.00	70.18	4317.95	334.64	928.64	987.10	0.00	14543829.14	2064414.94	
4600.00	30.00	70.18	4404.56	351.59	975.68	1037.10	0.00	14543846.09	2064461.98	
4643.75	30.00	70.18	4442.45	359.01	996.26	1058.97	0.00	14543853.51	2064482.56	DROP
4700.00	29.16	70.18	4491.36	368.42	1022.38	1086.74	1.50	14543862.92	2064508.68	
4800.00	27.66	70.18	4579.32	384.55	1067.13	1134.31	1.50	14543879.05	2064553.43	
4900.00	26.16	70.18	4668.49	399.89	1109.71	1179.56	1.50	14543894.39	2064596.01	
5000.00	24.66	70.18	4758.82	414.44	1150.07	1222.46	1.50	14543908.94	2064636.37	
5100.00	23.16	70.18	4850.24	428.17	1188.19	1262.99	1.50	14543922.67	2064674.49	
5200.00	21.66	70.18	4942.69	441.10	1224.05	1301.10	1.50	14543935.60	2064710.35	
5300.00	20.16	70.18	5036.10	453.19	1257.62	1336.78	1.50	14543947.69	2064743.92	
5343.48	19.50	70.18	5077.00	458.19	1271.50	1351.53	1.50	14543952.69	2064757.80	WASATCH
5400.00	18.66	70.18	5130.42	464.46	1288.88	1370.01	1.50	14543958.96	2064775.18	
5500.00	17.16	70.18	5225.57	474.88	1317.80	1400.75	1.50	14543969.38	2064804.10	
5600.00	15.66	70.18	5321.50	484.45	1344.37	1429.00	1.50	14543978.95	2064830.67	
5700.00	14.16	70.18	5418.13	493.18	1368.57	1454.72	1.50	14543987.68	2064854.87	
5800.00	12.66	70.18	5515.40	501.04	1390.39	1477.91	1.50	14543995.54	2064876.69	
5863.02	11.71	70.18	5577.00	505.54	1402.90	1491.21	1.50	14544000.04	2064889.20	ENTER TARGET
5900.00	11.16	70.18	5613.25	508.03	1409.79	1498.54	1.50	14544002.53	2064896.09	
6000.00	9.66	70.18	5711.60	514.15	1426.79	1516.60	1.50	14544008.65	2064913.09	



Weatherford Drilling Services

Directional Plan Report



Company: Anadarko-Kerr-McGee	Date: 9/25/2007	Time: 16:02:01	Page: 4
Field: UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)	Co-ordinate(NE) Reference:	Site: NBU 922-18F1BS PAD CDEF	
Site: NBU 922-18F1BS PAD CDEF	Vertical (TVD) Reference:	SITE 4908.0	
Well: 922-18F1BS	Section (VS) Reference:	Well (0.00N,0.00E,70.18Azi)	
Wellpath: 1	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
2718.35	2700.00	9.625	9.625	9 5/8" CSG PT

Annotation

MD ft	TVD ft	Description
300.00	300.00	BEGIN NUDGE
1100.00	1097.40	HOLD
2800.00	2780.86	KOP
3680.00	3607.81	HOLD
4643.75	4442.45	DROP
5863.02	5577.00	ENTER TARGET
6643.75	6352.30	HOLD
10151.45	9860.00	PBHL

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
5343.48	5077.00	WASATCH		0.00	0.00
8071.45	7780.00	MESAVERDE		0.00	0.00

NBU 922-18F1BS
SW/NW LOT 2, SEC. 18, T9S, R22E
UINTAH COUNTY, UTAH
UTU-0359

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. **Existing Roads:**

Refer to the attached location directions.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

2. **Planned Access Roads:**

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

Approximately 170' +/- of access road is proposed. Please refer to the attached Topo Map B.

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

Please refer to Topo Map C.

4. **Location of Existing & Proposed Facilities:**

Please see the Natural Buttes Unit SOP.

Approximately 20" +/- of 10" steel pipeline is proposed from the location to an existing pipeline. Refer to the attached Topo Map D.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The requested color is Carlsbad Canyon Brown (2.5Y 6/2), a non-reflective earthtone.

5. **Location and Type of Water Supply:**

Please see the Natural Buttes SOP.

6. **Source of Construction Materials:**

Please see the Natural Buttes SOP.

7. **Methods of Handling Waste Materials:**

Please see the Natural Buttes SOP.

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, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E (*Request is in lieu of filing Form 3160-5, after initial production*).

8. **Ancillary Facilities:**

Please see the Natural Buttes SOP.

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

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

Culverts will be installed where needed.

A run off diversion for drainage will be constructed where needed.

The reserve pit will be lined. When the reserve pit is closed the pit liner will be buried below plow depth.

Location size may change prior to the drilling of the well due to the current rig availability. If the proposed location is not large enough to accommodate the drilling rig. The location will be re-surveyed and a form 3160-5 will be submitted.

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

Please see the Natural Buttes SOP.

11. **Surface Ownership:**

The well pad and access road are located on lands owned by:

Ute Indian Tribe
P.O. Box 70
Fort Duchesne, Utah 84026
(435) 722-5141

12. **Other Information:**

A Class III Archaeological Survey Report has been conducted for this location and submitted to the Ute Indian Tribe prior to the on-site inspection.

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it within 460' of any non-committed tract lying within boundaries of the unit.

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

Sheila Upchego
Senior Land Admin Specialist
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078
(435) 781-7024

Randy Bayne
Drilling Manager
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078
(435) 781-7018

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.

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 the terms and conditions of the lease for the operations conducted upon leased lands.

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.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Bureau of Indian Affairs Nationwide Bond #RLB0005239, Bureau of Land Management Nationwide Bond #WYB000291 and State of Utah Bond #RLB0005237.

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 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 by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.


Sheila Upchego

11/5/2007

Date

Kerr-McGee Oil & Gas Onshore LP
NBU #922-18C4CS, F1BS, F1CS, C4BS, E2S, D3DS,
D3BS, & D2S
SECTION 18, 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 0.3 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 DIRECTION APPROXIMATELY 12.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 1.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 1.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN RIGHT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN RIGHT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTHEAST; FOLLOW ROAD FLAGS IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 170' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 48.0 MILES.

orig.

Kerr-McGee Oil & Gas Onshore LP

NBU #922-18C4CS, F1BS, F1CS, C4BS, E2S, D3DS, D3BS, & D2S

LOCATED IN UINTAH COUNTY, UTAH
SECTION 18, T9S, R22E, S.L.B.&M.

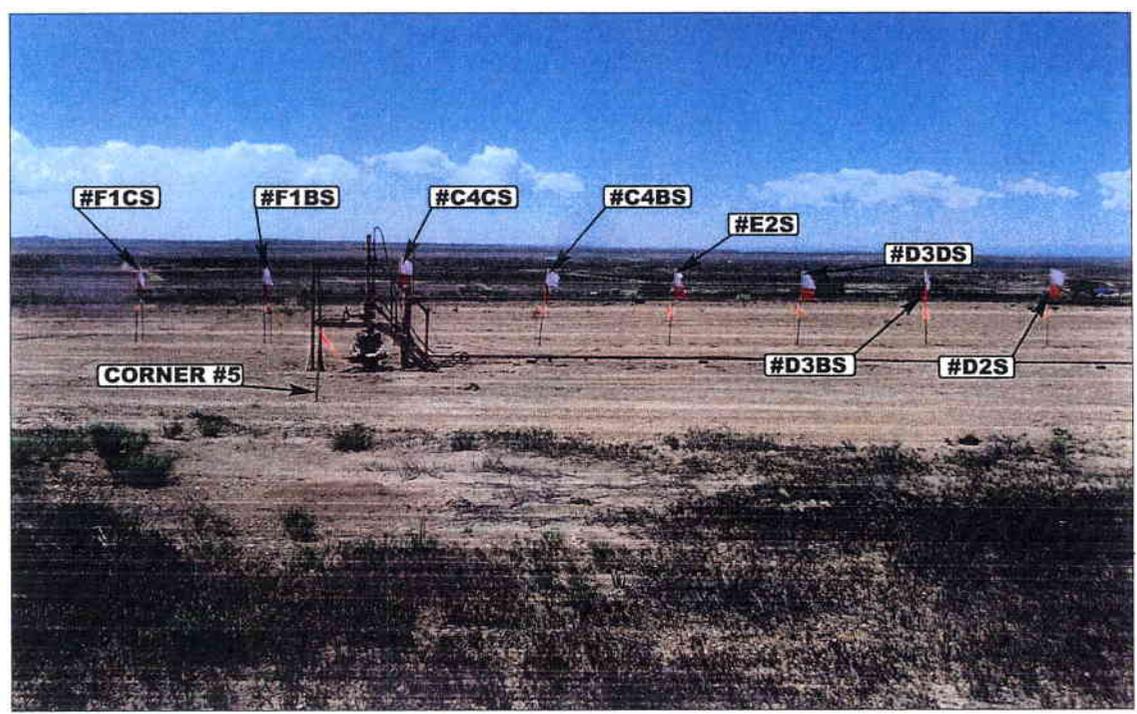


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKES

CAMERA ANGLE: SOUTHWESTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

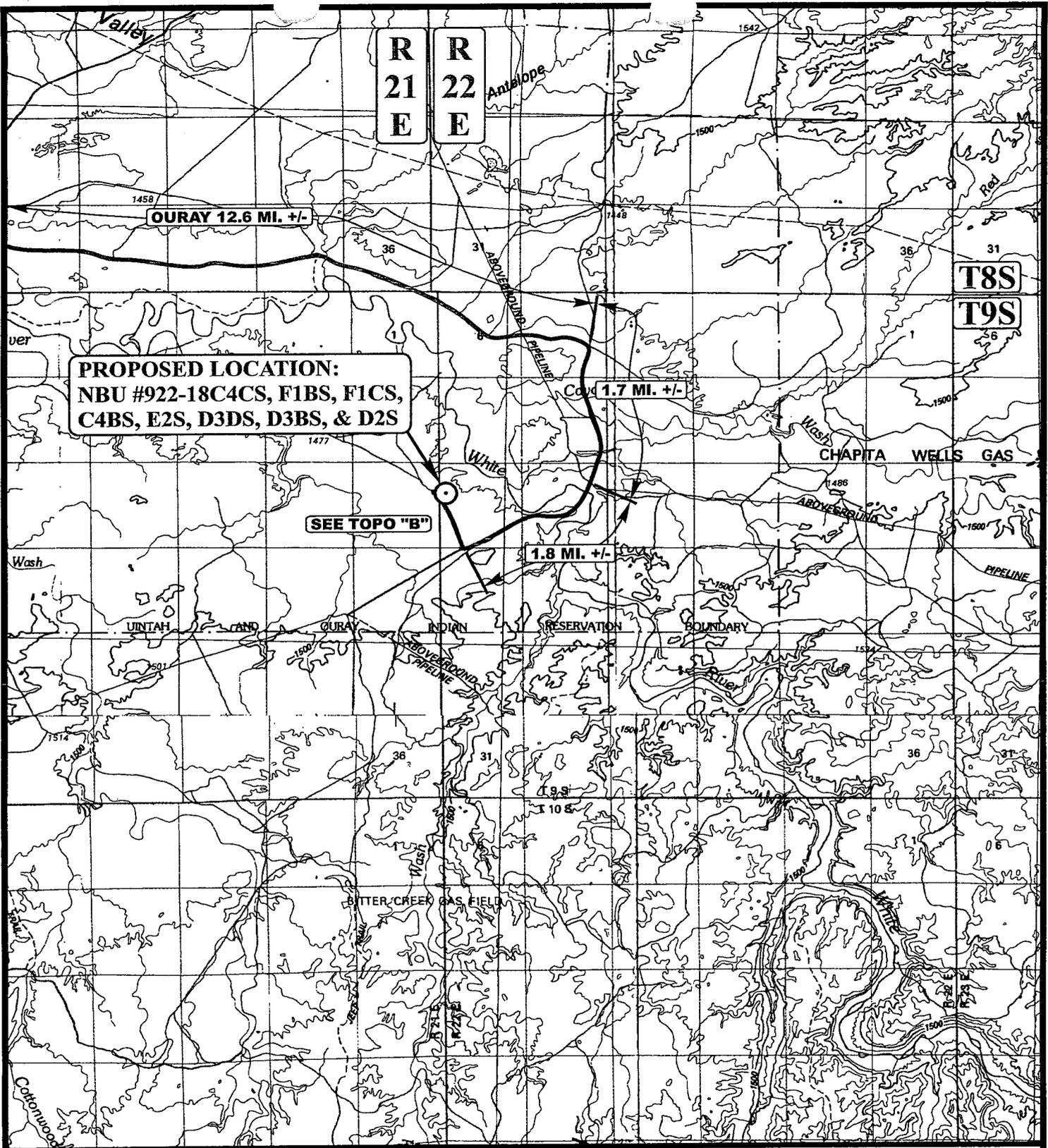
CAMERA ANGLE: EASTERLY



U E L S Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

- Since 1964 -

LOCATION PHOTOS			05	16	07	PHOTO
			MONTH	DAY	YEAR	
TAKEN BY: L.K.		DRAWN BY: C.P.		REVISED: 00-00-00		



LEGEND:

⊙ PROPOSED LOCATION

Kerr-McGee Oil & Gas Onshore LP

NBU #922-18C4CS, F1BS, F1CS, C4BS, E2S, D3DS, D3BS, & D2S
SECTION 18, T9S, R22E, S.L.B.&M.
LOT 2

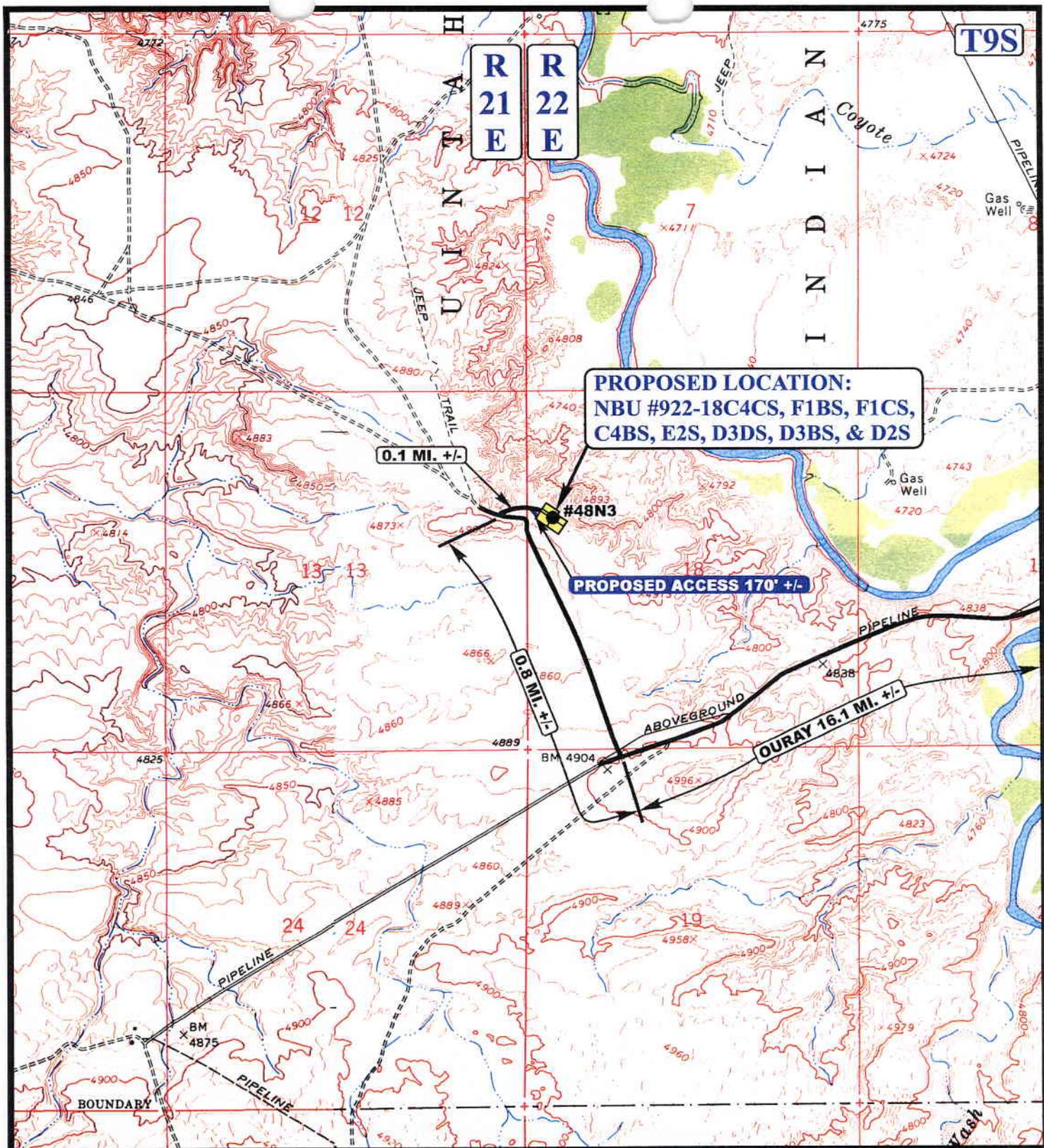


Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813



TOPOGRAPHIC MAP 05 16 07
MONTH DAY YEAR
SCALE: 1:100,000 DRAWN BY: C.P. REVISED: 00-00-00





LEGEND:

- EXISTING ROAD
- PROPOSED ACCESS ROAD



Kerr-McGee Oil & Gas Onshore LP
 NBU #922-18C4CS, F1BS, F1CS, C4BS, E2S, D3DS, D3BS, & D2S
 SECTION 18, T9S, R22E, S.L.B.&M.
 LOT 2



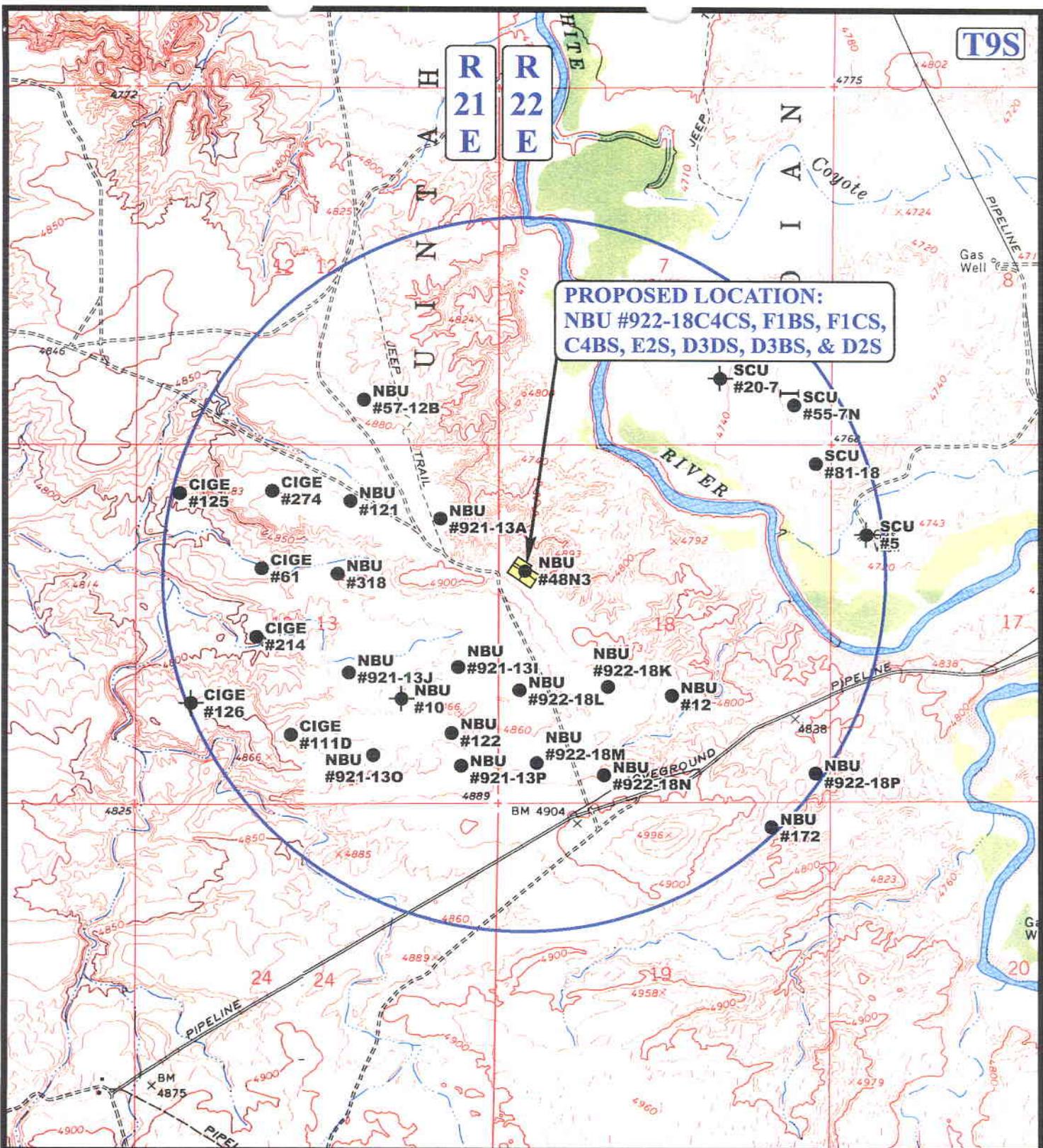
Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

05	16	07
MONTH	DAY	YEAR



SCALE: 1" = 2000' | DRAWN BY: C.P. | REVISED: 00-00-00



**PROPOSED LOCATION:
NBU #922-18C4CS, F1BS, F1CS,
C4BS, E2S, D3DS, D3BS, & D2S**

LEGEND:

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



Kerr-McGee Oil & Gas Onshore LP

NBU #922-18C4CS, F1BS, F1CS, C4BS, E2S, D3DS, D3BS, & D2S
SECTION 18, T9S, R22E, S.L.B.&M.
LOT 2



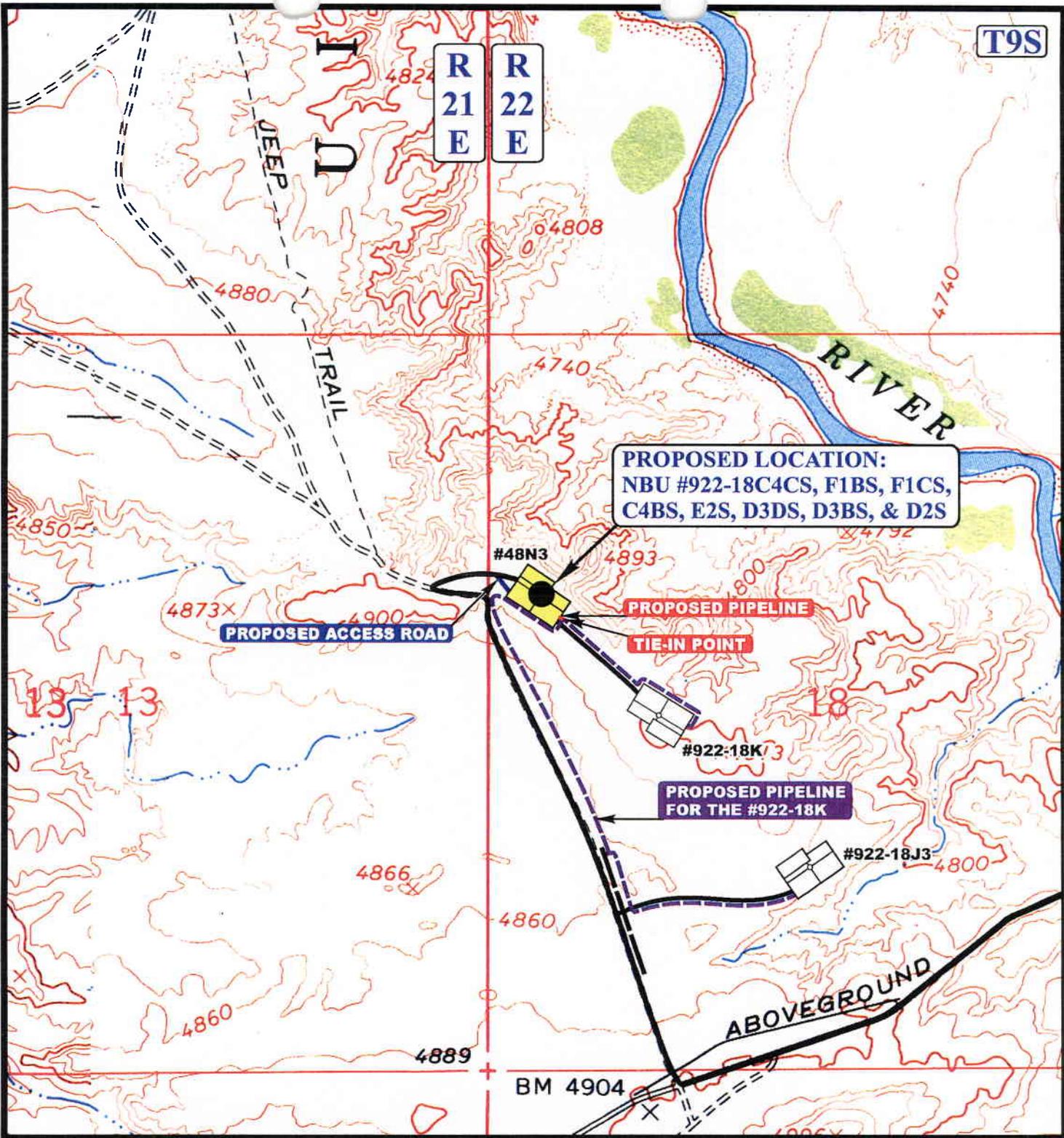
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

**TOPOGRAPHIC
MAP**

05 16 07
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00





PROPOSED LOCATION:
 NBU #922-18C4CS, F1BS, F1CS,
 C4BS, E2S, D3DS, D3BS, & D2S

PROPOSED ACCESS ROAD

**PROPOSED PIPELINE
 TIE-IN POINT**

**PROPOSED PIPELINE
 FOR THE #922-18K**

ABOVEGROUND

APPROXIMATE TOTAL PIPELINE DISTANCE = 20' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE
- PROPOSED PIPELINE (SERVICING OTHER WELLS)



Kerr-McGee Oil & Gas Onshore LP
 NBU #922-18C4CS, F1BS, F1CS, C4BS, E2S, D3DS, D3BS, & D2S
 SECTION 18, T9S, 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 05 16 07
 MONTH DAY YEAR
 SCALE: 1" = 1000' DRAWN BY: C.P. REVISED: 10-25-07



Kerr-McGee Oil & Gas Onshore LP

NBU #922-18C4CS, F1BS, F1CS, C4BS, E2S, D3DS, D3BS, & D2S
PIPELINE ALIGNMENT

LOCATED IN UINTAH COUNTY, UTAH
SECTION 18, T9S, R22E, S.L.B.&M.

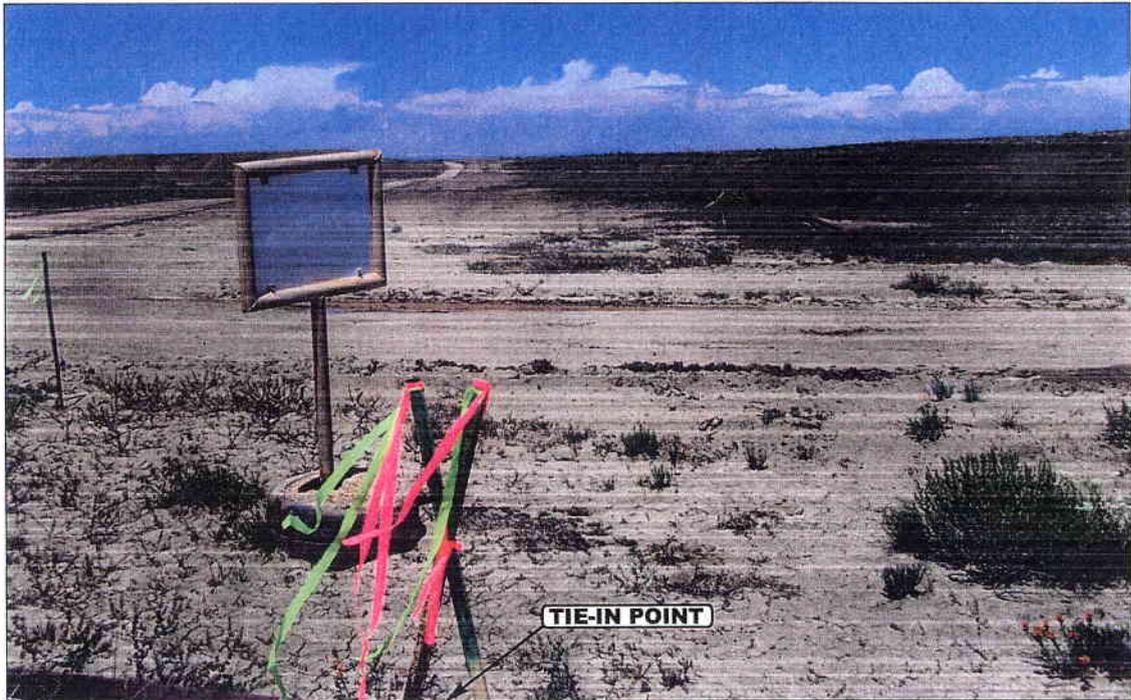


PHOTO: VIEW FROM TIE-IN POINT

CAMERA ANGLE: NORTHWESTERLY



PHOTO: VIEW OF PIPELINE ALIGNMENT

CAMERA ANGLE: NORTHWESTERLY



- Since 1964 -

UELS Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

PIPELINE PHOTOS

05 16 07
MONTH DAY YEAR

PHOTO

TAKEN BY: L.K.

DRAWN BY: C.P.

REVISED: 00-00-00

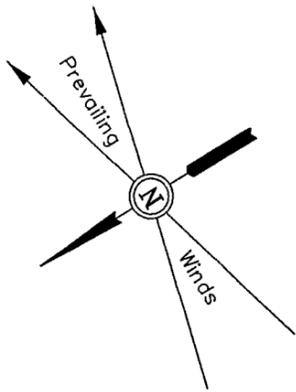
Kerr-McGee Oil & Gas Onshore LP

SITE PLAN LAYOUT FOR

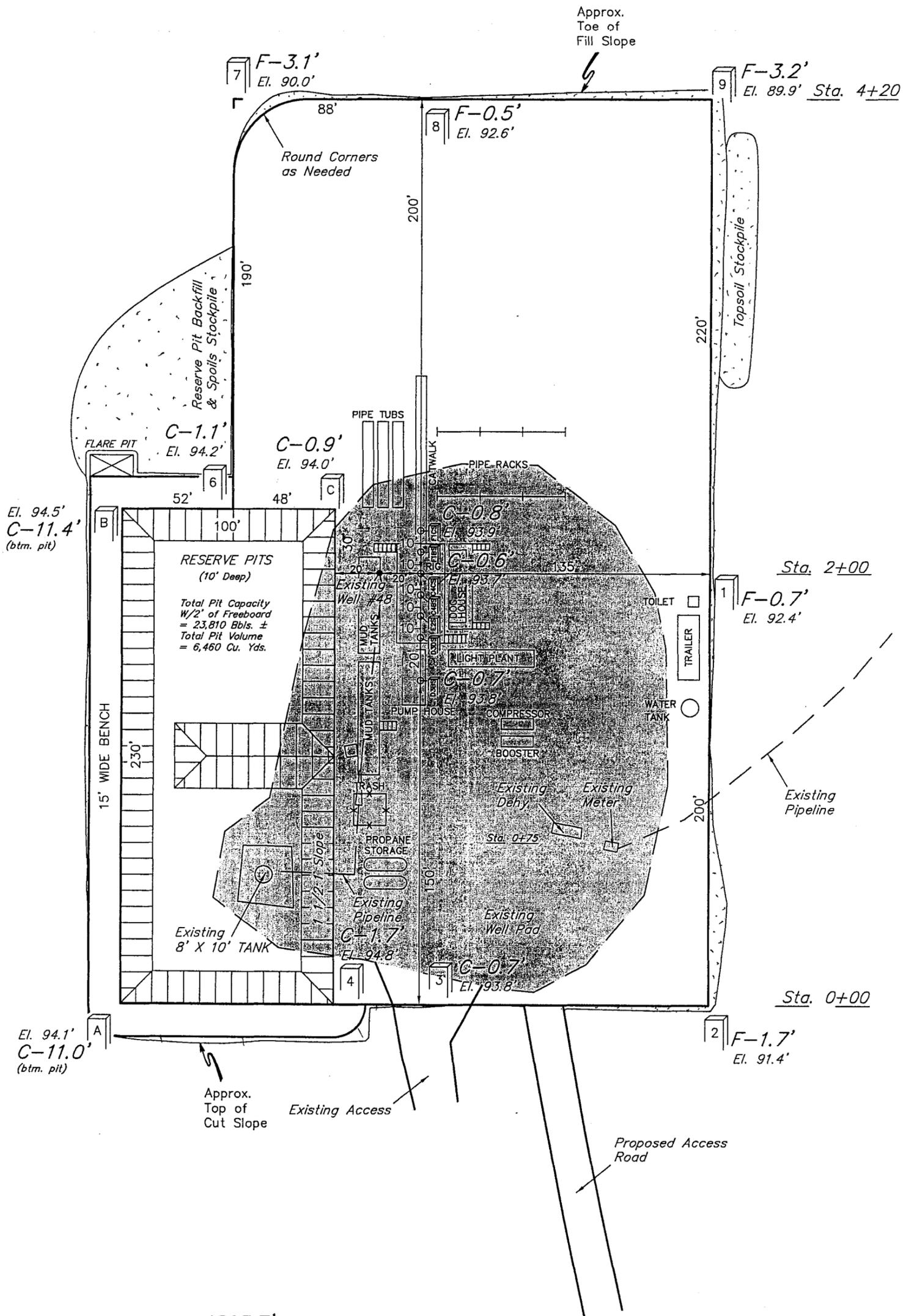
NBU #922-18C4CS, F1BS, F1CS, C4BS, E2S, D3DS, & D3BS

SECTION 18, T9S, R22E, S.L.B.&M.

LOT2



SCALE: 1" = 50'
DATE: 5-18-07
Drawn By: C.H.
REV: 10-22-07



NOTES:

Elev. Ungraded Ground At #18C4CS Loc. Stake = 4893.7'
FINISHED GRADE ELEV. AT #18C4CS LOC. STAKE = 4893.1'

Kerr-McGee Oil & Gas Onshore LP

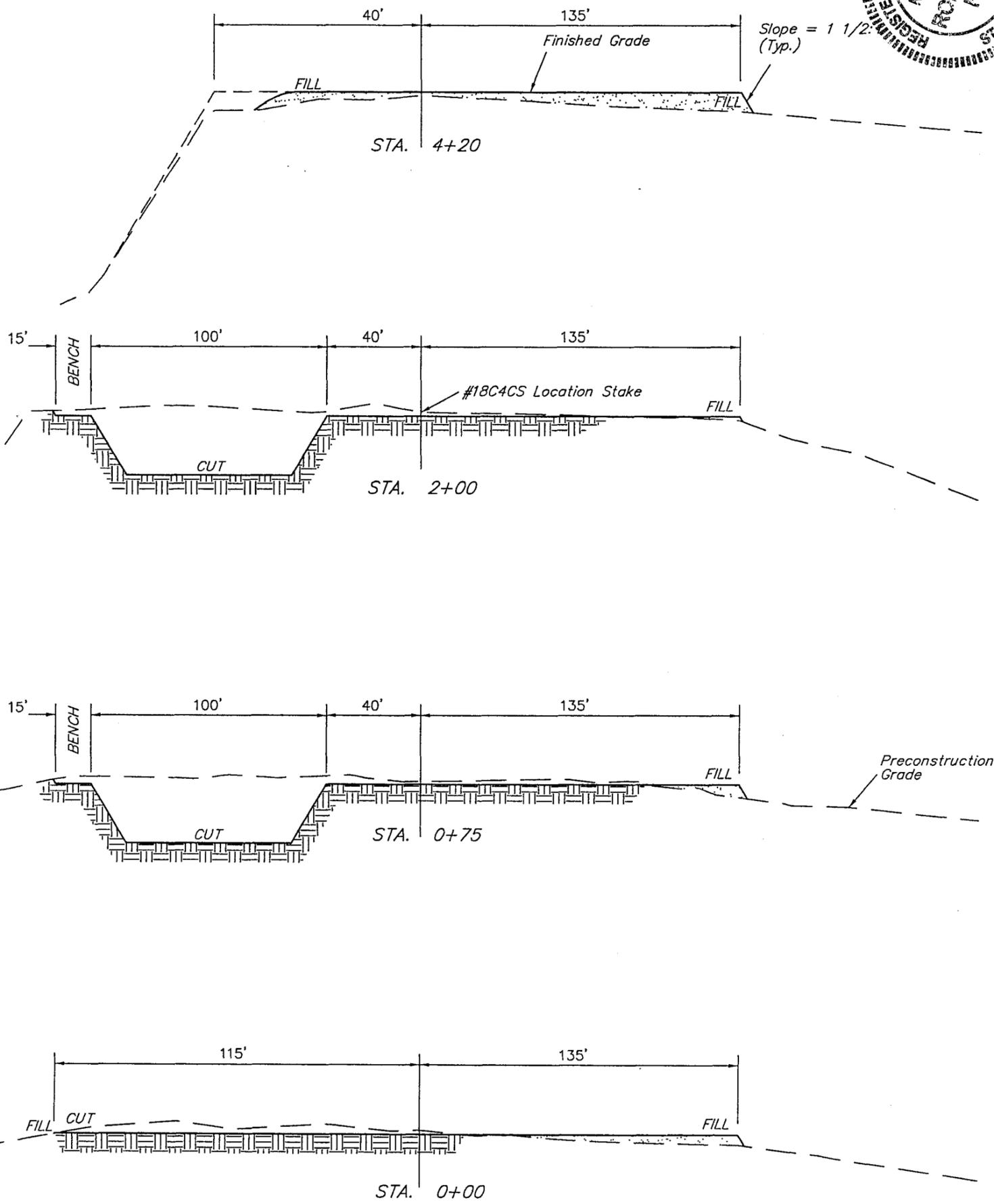
TYPICAL CROSS SECTIONS FOR

NBU #922-18C4CS, F1BS, F1CS, C4BS, E2S, D3DS, & D3BS
SECTION 18, T9S, R22E, S.L.B.&M.
LOT2

FIGURE #2

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

DATE: 5-18-07
Drawn By: C.H.
REV: 10-22-07



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

* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT	
(12") Topsoil Stripping	= 4,410 Cu. Yds.
Remaining Location	= 6,670 Cu. Yds.
TOTAL CUT	= 11,080 CU.YDS.
FILL	= 3,440 CU.YDS.

EXCESS MATERIAL	= 7,640 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 7,640 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 0 Cu. Yds.

Kerr-McGee Oil & Gas Onshore LP

SITE PLAN LAYOUT FOR

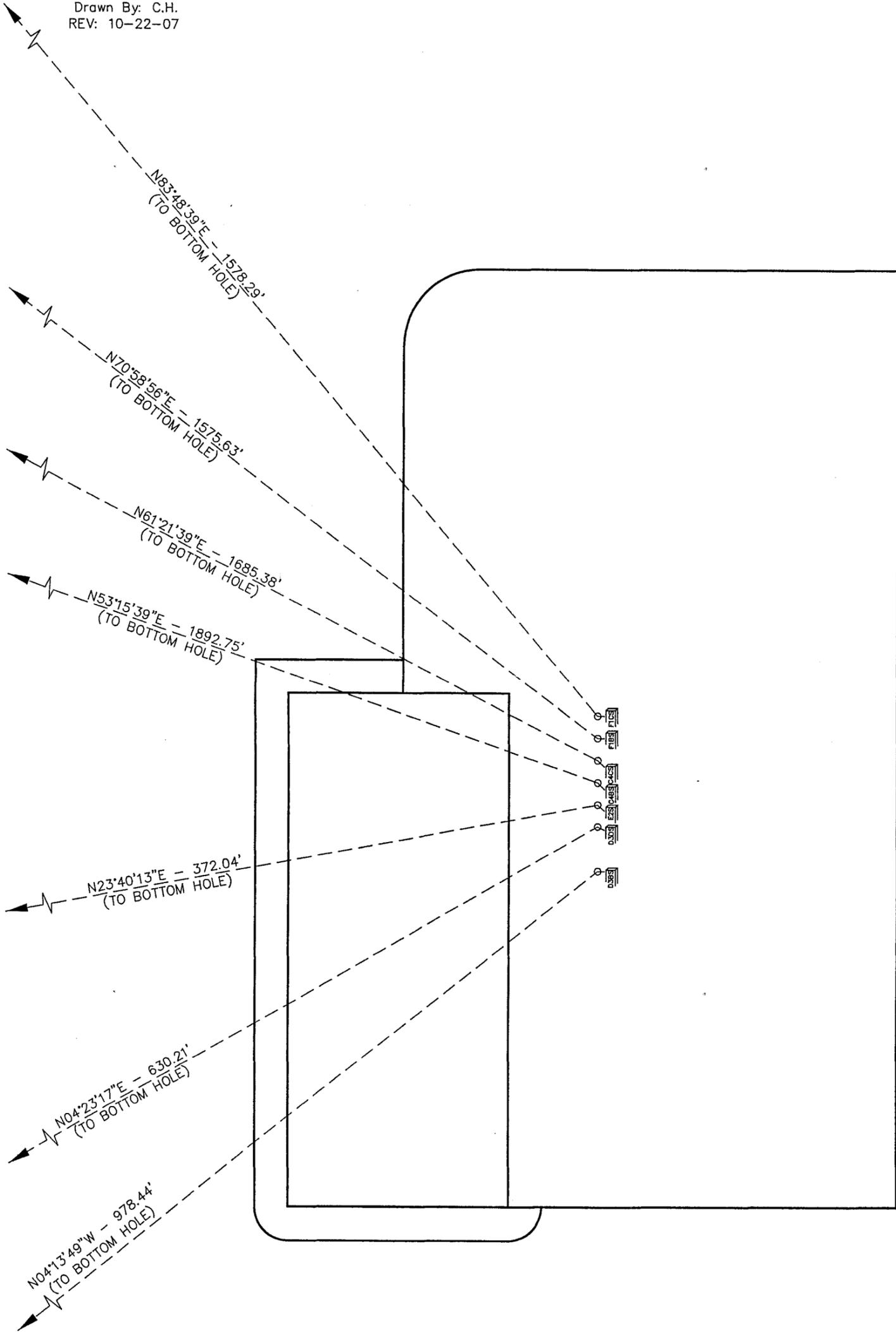
NBU #922-18C4CS, F1BS, F1CS, C4BS, E2S, D3DS, & D3BS

SECTION 18, T9S, R22E, S.L.B.&M.

LOT2



SCALE: 1" = 50'
DATE: 5-18-07
Drawn By: C.H.
REV: 10-22-07



**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 11/20/2007

API NO. ASSIGNED: 43-047-39846

WELL NAME: NBU 922-18F1BS

OPERATOR: KERR-MCGEE OIL & GAS (N2995)

CONTACT: SHEILA UPCHEGO

PHONE NUMBER: 435-781-7024

PROPOSED LOCATION:

SWNW 18 090S 220E

SURFACE: 1886 FNL 0379 FWL

BOTTOM: 1375 FNL 1868 FWL

COUNTY: UINTAH

LATITUDE: 40.03808 LONGITUDE: -109.4886

UTM SURF EASTINGS: 628951 NORTHINGS: 4432867

FIELD NAME: NATURAL BUTTES (630)

SEW

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-0359

SURFACE OWNER: 2 - Indian

PROPOSED FORMATION: WSMVD

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]
(No. RLB0005239)
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit
(No. 43-8496)
- RDCC Review (Y/N)
(Date: _____)
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

- R649-2-3.
- Unit: NATURAL BUTTES
- R649-3-2. General
Siting: 460' From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit
Board Cause No: 173.14
Eff Date: 12-2-1999
Siting: 460' fr Uhdg & Enclosure Tracts
- R649-3-11. Directional Drill

COMMENTS: See Separate file

STIPULATIONS: 1- Federal Approval
2- OIL SHALE

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)

November 30, 2007

Memorandum

To: Assistant District Manager Minerals, Vernal District
From: Michael Coulthard, Petroleum Engineer
Subject: 2007 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 2007 within the Natural Buttes Unit, Uintah County, Utah.

API#	WELL NAME	LOCATION
(Proposed PZ Wasatch/MesaVerde)		
43-047-39821	NBU 922-18F4CS Sec 18	T09S R22E 2529 FSL 1248 FWL
	BHL Sec 18	T09S R22E 2406 FNL 1895 FWL
43-047-39822	NBU 922-18K2DS Sec 18	T09S R22E 2508 FSL 1282 FWL
	BHL Sec 18	T09S R22E 2099 FSL 1548 FWL
43-047-39823	NBU 922-18E3CS Sec 18	T09S R22E 2540 FSL 1231 FWL
	BHL Sec 18	T09S R22E 2632 FSL 0136 FWL
43-047-39824	NBU 922-18K1BS Sec 18	T09S R22E 2524 FSL 1256 FWL
	BHL Sec 18	T09S R22E 2602 FSL 1821 FWL
43-047-39825	NBU 922-18M3S Sec 18	T09S R22E 1688 FSL 0334 FWL
	BHL Sec 18	T09S R22E 0203 FSL 0571 FWL
43-047-39826	NBU 922-18L3S Sec 18	T09S R22E 1689 FSL 0274 FWL
	BHL Sec 18	T09S R22E 1390 FSL 0214 FWL
43-047-39827	NBU 922-18L2CS Sec 18	T09S R22E 1687 FSL 0344 FWL
	BHL Sec 18	T09S R22E 1994 FSL 0262 FWL

43-047-39828 NBU 922-18M2S Sec 18 T09S R22E 1689 FSL 0284 FWL
BHL Sec 18 T09S R22E 1075 FSL 0232 FWL

43-047-39829 NBU 922-18P3S Sec 18 T09S R22E 1424 FSL 2605 FEL
BHL Sec 18 T09S R22E 0203 FSL 0668 FEL

43-047-39830 NBU 922-18P2S Sec 18 T09S R22E 1436 FSL 2588 FEL
BHL Sec 18 T09S R22E 0988 FSL 0745 FEL

43-047-39831 NBU 922-18N2S Sec 18 T09S R22E 1402 FSL 2637 FEL
BHL Sec 18 T09S R22E 1278 FSL 1753 FWL

43-047-39832 NBU 922-18O3DS Sec 18 T09S R22E 1407 FSL 2629 FEL
BHL Sec 18 T09S R22E 0165 FSL 2024 FEL

43-047-39833 NBU 922-18O3AS Sec 18 T09S R22E 1413 FSL 2621 FEL
BHL Sec 18 T09S R22E 0465 FSL 1965 FEL

43-047-39834 NBU 922-18O1CS Sec 18 T09S R22E 1419 FSL 2613 FEL
BHL Sec 18 T09S R22E 0687 FSL 1723 FEL

43-047-39835 NBU 922-18O1BS Sec 18 T09S R22E 1430 FSL 2596 FEL
BHL Sec 18 T09S R22E 1046 FSL 1714 FEL

43-047-39836 NBU 922-18C4BS Sec 18 T09S R22E 1875 FNL 0362 FWL
BHL Sec 18 T09S R22E 0745 FNL 1878 FWL

43-047-39837 NBU 922-18E2S Sec 18 T09S R22E 1870 FNL 0354 FWL
BHL Sec 18 T09S R22E 1529 FNL 0503 FWL

43-047-39838 NBU 922-18F1CS Sec 18 T09S R22E 1892 FNL 0387 FWL
BHL Sec 18 T09S R22E 1724 FNL 1956 FWL

43-047-39839 NBU 922-18N2AS Sec 18 T09S R22E 1396 FSL 2228 FWL
BHL Sec 18 T09S R22E 1016 FSL 1617 FWL

43-047-39840 NBU 922-18L2BS Sec 18 T09S R22E 2513 FSL 1273 FWL
BHL Sec 18 T09S R22E 2344 FSL 0223 FWL

43-047-39841 NBU 922-18D3BS Sec 18 T09S R22E 1853 FNL 0329 FWL
BHL Sec 18 T09S R22E 0877 FNL 0256 FWL

43-047-39842 NBU 922-18J3S Sec 18 T09S R22E 1453 FSL 2564 FEL
BHL Sec 18 T09S R22E 1888 FSL 2052 FEL

43-047-39843 NBU 922-18J1S Sec 18 T09S R22E 1447 FSL 2572 FEL
BHL Sec 18 T09S R22E 2062 FSL 1665 FEL

43-047-39844 NBU 922-18I3S Sec 18 T09S R022E 1442 FSL 2580 FEL
BHL Sec 18 T09S R022E 1346 FSL 0726 FEL

43-047-39845 NBU 922-18C4CS Sec 18 T09S R22E 1881 FNL 0370 FWL
BHL Sec 18 T09S R22E 1075 FNL 1849 FWL

43-047-39846 NBU 922-18F1BS Sec 18 T09S R22E 1886 FNL 0379 FWL
BHL Sec 18 T09S R22E 1375 FNL 1868 FWL

43-047-39847 NBU 922-18N2CS Sec 18 T09S R22E 1390 FSL 2220 FWL
BHL Sec 18 T09S R22E 0775 FSL 1462 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:11-30-07



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

December 3, 2007

Kerr McKee Oil and Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078

Re: NBU 922-18F1BS Well, Surface Location 1886' FNL, 379' FWL, SW NW, Sec. 18,
T. 9 South, R. 22 East, Bottom Location 1375' FNL, 1868' FWL, SE NW, Sec. 18,
T. 9 South, R. 22 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

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. The API identification number assigned to this well is 43-047-39846.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Uintah County Assessor
Bureau of Land Management, Vernal Office



Operator: Kerr McKee Oil and Gas Onshore LP
Well Name & Number NBU 922-18F1BS
API Number: 43-047-39846
Lease: UTU-0359

Surface Location: SW NW Sec. 18 T. 9 South R. 22 East
Bottom Location: SE NW Sec. 18 T. 9 South R. 22 East

Conditions of Approval

1. 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.

2. Notification Requirements

Notify the Division with 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

3. 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.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.
5. 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.
6. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

RECEIVED

NOV - 7 2007

Form 3160-3
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
VEDAL FIELD OFFICE
2007 NOV 19 PM 12:34

FORM APPROVED
OMB No. 1004-1136
Expires 10/30/2000
BLM

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-0359 461	
b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name TRIBAL SURFACE	
2. Name of Operator KERR MCGEE OIL AND GAS ONSHORE LP		7. If Unit or CA Agreement, Name and No. UNIT #891008900A	
3A. Address 1368 SOUTH 1200 EAST VERNAL, UT 84078		8. Lease Name and Well No. NBU 922-18F1BS	
3b. Phone No. (include area code) (435) 781-7024		9. API Well No. 43 047 39896	
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SW/NW 1886'FNL, 379'FWL (LOT 2) At proposed prod. Zone SE/NW 1375'FNL, 1868'FWL		10. Field and Pool, or Exploratory NATURAL BUTTES	
14. Distance in miles and direction from nearest town or post office* 17 +/- MILES FROM OURAY, UTAH		11. Sec., T., R., M., or Blk, and Survey or Area SEC. 18, T9S, R22E	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 379'	16. No. of Acres in lease 162.39	12. County or Parish UINTAH	
17. Spacing Unit dedicated to this well 40.00	13. State UTAH	18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. REFER TO TOPO C	
19. Proposed Depth 10,151'	20. BLM/BIA Bond No. on file RLB0005239	21. Elevations (Show whether DF, KDB, RT, GL, etc.) 4894'GL	
22. Approximate date work will start* UPON APPROVAL	23. Estimated duration TO BE DETERMINED	24. Attachments	

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

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

25. Signature 	Name (Printed/Typed) SHEILA UPCHEGO	Date 11/16/2007
Title SENIOR LAND ADMIN SPECIALIST		
Approved by (Signature) 	Name (Printed/Typed) TERRY KEUZLA	Date SEP 08 2008
Title Assistant Field Manager Lands & Mineral Resources	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 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.

*(Instructions on reverse)

NOTICE OF APPROVAL

RECEIVED

SEP 16 2008

DIV. OF OIL, GAS & MINING

UDOGM

NO NOS

08 MFC 00096A

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

Surface COAs:

- 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.

SITE SPECIFIC COAs:

Additional Stipulations:

None

General Conditions of Approval

- A 30' foot corridor right-of-way shall be approved. Upon completion of each pipeline in corridor, they shall be identified and filed with the Ute Tribe.
- A qualified Archaeologist accompanied by a Tribal Technician will monitor trenching construction of pipeline.
- The Ute Tribe Energy & Minerals Department is to be notified, in writing 48 hours prior to construction of pipeline.
- Construction Notice shall be given to the department on the Ute Tribe workdays, which are Monday through Thursday. The Company understands that they may be responsible for costs incurred by the Ute Tribe after hours.
- The Company shall inform contractors to maintain construction of pipelines within the approved ROW's.
- The Company shall assure the Ute Tribe that "ALL CONTRACTORS, INCLUDING SUB-CONTRACTORS, LEASING CONTRACTORS, AND ETC." have acquired a current and valid Ute Tribal Business License and have "Access Permits" prior to construction, and will have these permits in all vehicles at all times.
- You are hereby notified that working under the "umbrella" of a company does not allow you to be in the field, and can be subject to those fines of the Ute Tribe Severance Tax Ordinance.
- Any deviation of submitted APD's and ROW applications the Companies will notify the Ute Tribe and BIA in writing and will receive written authorization of any such change with appropriate authorization.

- The Company will implement “Safety and Emergency Plan.” The Company’s safety director will ensure its compliance.
- All Company employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD’s and/or ROW permits/authorizations on their person(s) during all phases of construction.
- All vehicular traffic, personnel movement, construction/restoration operations shall be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- All personnel shall refrain from collecting artifacts, any paleontological fossils, and from disturbing any significant cultural resources in the area.
- The personnel from the Ute Tribe Energy & Minerals Department shall be notified should cultural remains from subsurface deposits be exposed or identified during construction. All construction will cease.
- All mitigative stipulations contained in the Bureau of Indian Affairs Site Specific Environmental Assessment (EA) will be strictly adhered.

Upon completion of Application for Corridor Right-Way, the company will notify the Ute Tribe Energy & Minerals Department, so that a Tribal Technician can verify Affidavit of Completion.

DOWNHOLE CONDITIONS OF APPROVAL (COAs)

SITE SPECIFIC DOWNHOLE COAs:

- A surface casing shoe integrity test shall be performed.
- Production casing cement top shall be at a minimum of 200' above the surface casing shoe.

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.
- 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.
- 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 in LAS format to UT_VN_Wellogs@BLM.gov. 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.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- 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 ($\frac{1}{4}$ / $\frac{1}{4}$, 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.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. UTU-0359
2. Name of Operator Kerr-McGee Oil & Gas Onshore, LP		6. If Indian, Allottee, or Tribe Name Ute Tribe
3a. Address P.O. Box 173779, Denver, CO 80217-3779	3b. Phone No. (include area code) 720.929.6226	7. If Unit or CA. Agreement Name and/or No. UTU-63047A
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SW NW Sec. 18 T 9S R 22E 1909 FNL 412 FWL		8. Well Name and No. NBU 922-18F1BS
		9. API Well No. 43-047-39846
		10. Field and Pool, or Exploratory Area Natural Buttes
		11. County or Parish, State Utah

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Altering 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 <u>Surface Location</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and abandon	<input type="checkbox"/> Temporarily Abandon	
	<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 or pertinent markers and sands. Attach the Bond under which the work will be performed or provide the Bond No. on file with the 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 Notice 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, LP, respectfully notifies that the center stakes for the surface location have been moved to SWNW 1909 FNL & 412 FWL. The bottomhole location has not been changed.

Approved by [Signature]
Utah Division of
Oil, Gas and Mining
COPY SENT TO OPERATOR

Date: 12-4-2008
Initials: KS

Federal Approval of this Action is Necessary

628962X
44328614
40.038013
-109.488430

Date: 12-01-08
By: [Signature]

14. I hereby certify that the foregoing is true and correct.

Name (Printed/ Typed) Kevin McIntyre	Title Regulatory Analyst
Signature <u>[Signature]</u>	Date 11/12/08

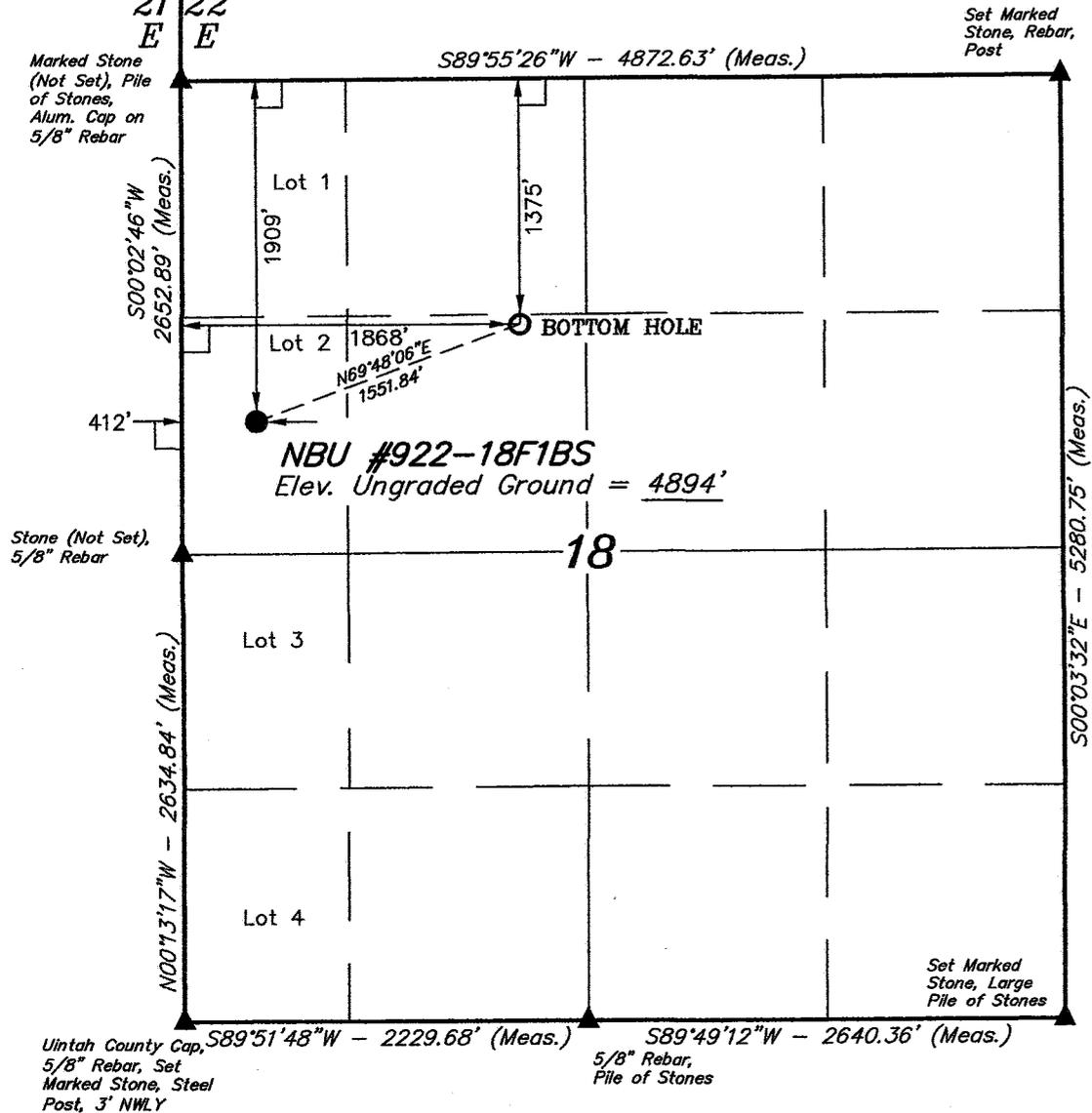
THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by 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.	Title	Date
	Office	

RECEIVED

NOV 17 2008

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



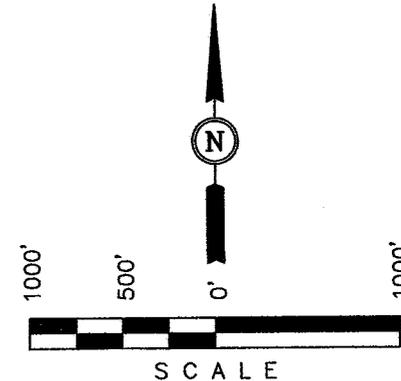
Kerr-McGee Oil & Gas Onshore LP
 Well location, NBU #922-18F1BS, located as shown in Lot 2 of Section 18, T9S, R22E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

BENCH MARK (20EAM) LOCATED IN THE SE 1/4 OF SECTION 35, T8S, R21E, S.L.B.&M. TAKEN FROM THE OURAY SE 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 4697 FEET.

BASIS OF BEARINGS

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



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PART 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.

Robert Kay
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 161319
 STATE OF UTAH

REVISED: 10-29-08

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 = 40°02'22.12" (40.039478)	LONGITUDE = 109°29'02.60" (109.484056)	LATITUDE = 40°02'16.82" (40.038006)	LONGITUDE = 109°29'21.33" (109.489258)
NAD 27 (TARGET BOTTOM HOLE)		NAD 27 (SURFACE LOCATION)	
LATITUDE = 40°02'22.25" (40.039514)	LONGITUDE = 109°29'00.13" (109.483369)	LATITUDE = 40°02'16.95" (40.038042)	LONGITUDE = 109°29'18.86" (109.488572)

SCALE 1" = 1000'	DATE SURVEYED: 05-07-07	DATE DRAWN: 05-17-07
PARTY D.K. L.K. C.H.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE Kerr-McGee Oil & Gas Onshore LP	



Kerr-McGee Oil & Gas Onshore LP
1999 Broadway, Suite 3700
Denver, CO 80205

July 30, 2008

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 922-18F1BS
T9S-R22E
Section 18: SENW
Surface: 1909' FNL, 412' FWL
Bottom Hole: 1375' FNL, 1868' FWL
Uintah County, Utah

Dear Mrs. Mason:

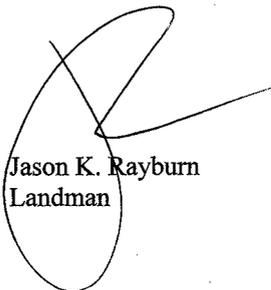
Pursuant to the filing of Kerr-McGee Oil & Gas Onshore LP's (Kerr-McGee) Application for Permit to Drill regarding the above referenced well, we are hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-11 pertaining to the Exception to Location and Siting of Wells.

- Kerr-McGee's NBU 922-18F1BS 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

RECEIVED
NOV 26 2008
DIV. OF OIL, GAS & MINING

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0359
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: Ute Tribe
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME: 891008900A
2. NAME OF OPERATOR: Kerr-McGee Oil & Gas Onshore, LP		8. WELL NAME and NUMBER: NBU 922-18F1BS
3. ADDRESS OF OPERATOR: P.O. Box 173779 CITY Denver STATE CO ZIP 80217-3779	PHONE NUMBER: (720) 929-6226	9. API NUMBER: 4304739846
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1909' FNL & 412' FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 18 9S 22E		10. FIELD AND POOL, OR WILDCAT: Natural Buttes Field 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 (Submit in Duplicate) Approximate date work will start: _____ <input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>APD Extension</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

Kerr-McGee Oil & Gas Onshore, LP, respectfully requests a one year extension on this APD in order to complete drilling operations. The Utah Division of Oil, Gas, and Mining initially approved this APD on 12/03/2007.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 12.11.08
By: [Signature]

NAME (PLEASE PRINT) <u>Kevin McIntyre</u>	TITLE <u>Regulatory Analyst</u>
SIGNATURE <u>[Signature]</u>	DATE <u>12/9/2008</u>

(This space for State use only)

COPY SENT TO OPERATOR

Date: 12.16.2008

Initials: KS

(See Instructions on Reverse Side)

RECEIVED

DEC 11 2008

DIV. OF OIL, GAS & MINING



**Application for Permit to Drill
Request for Permit Extension
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 4304739846
Well Name: NBU 922-18F1BS
Location: SWNW 1909' FNL & 412' FWL, Sec. 18, T9S R22E
Company Permit Issued to: Kerr-McGee Oil & Gas Onshore, LP
Date Original Permit Issued: 12/3/2007

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

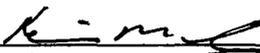
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No

Have there been any changes to the access route including ownership, or right-of-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

12/9/2008

Date

Title: Regulatory Analyst

Representing: Kerr-McGee Oil & Gas Onshore, LP

RECEIVED
DEC 11 2008
DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0359
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: UTE 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 922-18F1BS
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047398460000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6587 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1909 FNL 0412 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 18 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 type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<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 checked="" type="checkbox"/> SPUD REPORT Date of Spud: 5/29/2009	<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
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	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input 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.
 MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'.
 RAN 14" 36.7# SCHEDULE 10 PIPE. CMT W/28 SX READY MIX. SPUD WELL LOCATION ON 05/29/2009 AT 1400 HRS.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 June 01, 2009

NAME (PLEASE PRINT) Sheila Upchego	PHONE NUMBER 435 781-7024	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 6/1/2009	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0359
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MIRU ELENBURG RIG 12 ON 06/21/2009. DRILLED 12 1/4" SURFACE HOLE TO 2840'. RAN 9 5/8" 40# J-55 SURFACE CSG. LEAD CMT W/300 SX HIFILL CLASS G @11.0 PPG 3.82 YIELD. PMP 200 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DROP PLUG ON FLY AND DISPLACE W/210.4 BBLs OF FRESH WATER 600 PSI LIFT @9 BBL/MIN RATE BUMP PLUG 1300 PSI FLOAT HELD 10' OF LEAD TO SURFACE. RAN 200' OF 1" PIPE. CMT W/100 SX PREM CLASS G @15.8 PPG 1.15 YIELD DOWN 1" PIPE. DISPLACE OUT LEAD CMT CMT FELL BACK. WAIT 1.5 HRS AND FELL BACK SIDE W/25.6 BBLs OF 15.8# 4% CALC DOWN BACKSIDE FELL 10'-20'. CUT OFF WELL HEAD SCREW OUT OF LANDING JT. LAYDOWN CONDUCTOR HEAD. WORT.

Accepted by the
 Utah Division of
 Oil, Gas and Mining
FOR RECORD ONLY
 June 29, 2009

NAME (PLEASE PRINT) Sheila Wopsock	PHONE NUMBER 435 781-7024	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 6/29/2009	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0359
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<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 9/5/2009	<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
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FINISHED DRILLING FROM 2840' TO 9934' ON 09/04/2009. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/622 SX PREM LITE II @11.8 PPG 2.42 YIELD. TAILED CMT W/1190 SX 50/50 POZ @14.3 PPG 1.31 YIELD. FULL RETURNS @53 BBLs TAIL PUMPED DROP PLUG & DISPLACE W/158 BBLs H&P + ADDITIVES/PARTICAL RETURNS AFTER 108 BBLs INTO DISPLACEMENT LIFT PRESSURE @2650 PSI BUMP PLUG W/3200 PSI HOLD 5 MIN W/NO LOSS PLUG DOWN @12:10 HRS W/NO CMT TO SURFACE. FLOATS HELD W/2.0 BBLs BACK TO INVENTORY. LAND CSG W/SHOE @10,180' TOP OF FLOAT COLLAR @10,137' LAY DOWN LANDING JT & ROTATING RUBBER NIPPLE DOWN BOPE CLEAN PITS. RELEASED H&P RIG 298 ON 09/05/2009 AT 1430 HRS.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 September 14, 2009

NAME (PLEASE PRINT) Sheila Wopsock	PHONE NUMBER 435 781-7024	TITLE Regulatory Analyst
SIGNATURE N/A		DATE 9/10/2009

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0359
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<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 12/23/2009	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
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THE SUBJECT WELL WAS PLACED ON PRODUCTION ON 12/23/2009 AT 2:00 P.M. PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 December 29, 2009

NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A		DATE 12/29/2009

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 922-18F1BS GREEN Spud Conductor: 5/29/2009 Spud Date: 6/21/2009
 Project: UTAH-UINTAH Site: NBU 922-18E PAD Rig Name No: ELENBURG 12/12, H&P 298/298
 Event: DRILLING Start Date: 6/22/2009 End Date: 9/5/2009
 Active Datum: RKB @4,920.00ft (above Mean Sea Level) UWI: SW/NW/0/9/S/22/E/18/0/0/6/PM/N/1,909.00/W/0/412.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
6/21/2009	0:00 - 7:00	7.00	RDMO	01	E	P		PREP F/SKID
	7:00 - 9:30	2.50	MIRU	01	C	P		SKID ON
	9:30 - 11:00	1.50	MIRU	01	B	P		MIRU
	11:00 - 12:30	1.50	PRPSPD	01	B	P		WELD ON CONDUCTOR
	12:30 - 13:30	1.00	PRPSPD	06	A	P		P/U BIT & MTR
	13:30 - 14:00	0.50	PRPSPD	09	A	P		SLIP & CUT
	14:00 - 14:30	0.50	PRPSPD	07	C	P		WORK ON PUMP ,PRIME UP
	14:30 - 15:00	0.50	DRLSUR	02	A	P		DRILL F/40 TO 66'
	15:00 - 16:00	1.00	DRLSUR	06	A	P		P/U DIR TOOLS ORIENTATE
	16:00 - 18:00	2.00	DRLSUR	02	D	P		DIR DRILL F/66' TO 184'
	18:00 - 18:30	0.50	DRLSUR	14	B	P		INSTALL ROTATING RUBBER
6/22/2009	18:30 - 0:00	5.50	DRLSUR	02	D	P		DIR DRILL F/184' TO 675
	0:00 - 15:30	15.50	DRLSUR	02	D	P		DIR DRILL F/675 TO 1702,SURVEY EVERY 90'
	15:30 - 16:00	0.50	DRLSUR	07	A	P		RIG SERVICE
	16:00 - 17:00	1.00	DRLSUR	08	B	P		REPAIR PUMP #2
6/23/2009	17:00 - 0:00	7.00	DRLSUR	02	D	P		DIR DRILL F/1702 TO 2010 ,SURVEY EVERY 90
	0:00 - 16:30	16.50	DRLSUR	02	D	P		DIR DRILL F/2010 TO 2623,SURVEY EVERY 90',
	16:30 - 17:00	0.50	DRLSUR	07	A	P		DAILY SERVICE
6/24/2009	17:00 - 0:00	7.00	DRLSUR	02	D	P		DIR DRILL F/2623 TO TD 2840,SURVEY EVERY 90,FINAL SURVEY 2790=20.25 AZI 66.99
	0:00 - 1:00	1.00	CSG	05	C	P		CIRC & COND F/CASING
	1:00 - 4:30	3.50	CSG	06	A	P		LDDP & BHA & DIR TOOLS
	4:30 - 6:30	2.00	CSG	12	C	P		R/U RUN 65 JTS #40 J55 9.625 CSG TO 2819' FLOAT COLLAR @ 2774.5' GL, RUN 200' OF 1" DOWN BACK SIDE
	6:30 - 7:30	1.00	CSG	05	D	P		CIRC F/CEMENT, HOLD SAFETY MEETING
6/24/2009	7:30 - 11:30	4.00	CSG	12	E	P		PUMP 6 BBLS, CATCH CIRC, PUMP 20 BBLS WATER, PUMP 300 SX(204 BBLS) OF 11#. 3.82 YD, 23 GAL/SK, HI FILL TYPE 2 LEAD CEMENT, PUMP 200 SX OF 40.9 BBLS 15.8#, 1.15 YD, 5 GAL/SK. DROP PLUG ON FLY AND DISPLACE 210.4 BBLS OF FRESH WATER, 600 PSI OF LIFT @ 9 BBLS/MIN RATE, BUMP PLUG 1300 PSI, FLOAT HELD. 10 BBLS OF LEAD TO SURFACE. PUMP 100SX (20 BBLS) 15.8# OFPREMIUM CEMENT DOWN 1" DOWN BACK SIDE , DISPLACE OUT LEAD CEMENT. CEMENT FELL. WAIT 1.5 HRS AND FILL BACK SIDE W/ 25.6 BBLS OF 15.8 # 4% CALC DOWN BACKSIDE. FELL 10'-20'.
	11:30 - 13:30	2.00	CSG	14	A	P		CUT OF WELL HEAD, SCREW OUT OF LANDING JT, LAYDOWN CONDUCTOR HEAD. RELEASE RIG 13:30 6/24/2009
8/28/2009	13:00 - 13:30	0.50	RDMO	01	A	P		RIG DOWN EQUIPMENT / PREPARE TO SKID
	13:30 - 14:00	0.50	RDMO	01	C	P		SKID RIG
	14:00 - 14:30	0.50	RDMO	01	F	P		RIG UP EQUIPMENT AFTER SKID
	14:30 - 16:00	1.50	PRPSPD	14	A	P		NIPPLE UP B.O.P.E. / ADD SECTION TO CHOKE HOSE / INSTALL FLANGES TO FLOW LINE FOR NEXT WELL / ADD SECTION TO MUD LINE / CHANGE OUT BAILS

RECEIVED December 29, 2009

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 922-18F1BS GREEN Spud Conductor: 5/29/2009 Spud Date: 6/21/2009
 Project: UTAH-UINTAH Site: NBU 922-18E PAD Rig Name No: ELENBURG 12/12, H&P 298/298
 Event: DRILLING Start Date: 6/22/2009 End Date: 9/5/2009
 Active Datum: RKB @4,920.00ft (above Mean Sea Level) UWI: SW/NW/09/S/22/E/18/0/0/6/PM/N/1,909.00/W/0/412.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	16:00 - 20:00	4.00	PRSPD	15	A	P		PRESSURE TEST PIPE RAMS, BLIND RAMS, IBOP, FLOOR VALVE, KILL LINES & KILL LINE VALVES, BOP WING VALVES, HCR VALVE + CHOKE LINE; INNER AND OUTER CHOKE VALVES & MANIFOLD TO 250 PSI LOW @ 5 MINUTES + 5000 PSI HIGH @ 10 MINUTES / TEST ANNULAR TO 250 PSI LOW @ 5 MINUTES + 2500 PSI HIGH @ 10 MINUTES / TEST SUPER CHOKE + SURFACE CASING TO 1500 PSI @ 30 MINUTES - MAKE REPAIRS AS NEEDED / FUNCTION TEST CLOSING UNIT - PASSED
	20:00 - 20:30	0.50	PRSPD	14	B	P		INSTALL WEAR BUSHING IN WELLHEAD
	20:30 - 21:30	1.00	PRSPD	09	A	P		SLIP & CUT 115' OF DRILL LINE
	21:30 - 23:00	1.50	PRSPD	06	A	P		LAY DOWN USED MOTOR FROM DERRICK / PICK UP MOTOR - MAKE UP BIT #1+ B.H.A. / INSTALL & SHALLOW TEST M.W.D. TOOLS
8/29/2009	23:00 - 0:00	1.00	PRSPD	06	A	P		T.I.H. W. DRILL STRING
	0:00 - 2:00	2.00	PRSPD	06	A	P		PICK UP DRILL STRING / INSTALL ROTATING RUBBER + SAFETY COVER OVER ROTATING HEAD
	2:00 - 3:00	1.00	PRSPD	02	F	P		FILL DRILL PIPE / TEST PUMPS & LINES TO 2500 PSI / DRILL FLOAT TRAC F/ 2768' - T/ 2855'
	3:00 - 6:00	3.00	DRLPRO	02	D	P		DRILL (ROTATE/SLIDE) F/ 2855' - T/ 3080' = 225' @ 75.0 FPH / WOB 14K-17K / TOP DRIVE RPM 35-40 / PUMP 100 SPM = 450 GPM / PUMP PRESSURE ON/OFF BOTTOM 1250/1050 PSI / MUD MOTOR RPM 99 / PU/SO/ROT WT 109/88/106 / TORQUE ON/OFF BOTTOM 6K/3K / SLIDE 54' IN 1.17 HRS = 24% OF FOOTAGE DRILLED & 39% OF HOURS DRILLED / H2O + POLYMER
	6:00 - 16:30	10.50	DRLPRO	02	D	P		DRILL (ROTATE/SLIDE) F/ 3080' - T/ 4120' = 1040' @ 99.04 FPH / H2O + POLYMER / WOB 14K-17K / TOP DRIVE RPM 35-40 / PUMP 100 SPM = 450 GPM / PUMP PRESSURE ON/OFF BOTTOM 1400/1140 PSI / MUD MOTOR RPM 99 / PU/SO/ROT WT 135/98/113 / TORQUE ON/OFF BOTTOM 8K/5K / SLIDE 242' IN 4.58 HRS = 23.2% OF FOOTAGE DRILLED & 43.6% OF HOURS DRILLED
	16:30 - 17:00	0.50	DRLPRO	07	A	P		SERVICE RIG & EQUIPMENT / WORK PIPE RAMS / VISUAL INSPECTION ON B.O.P.E.
	17:00 - 0:00	7.00	DRLPRO	02	D	P		DRILL (ROTATE/SLIDE) F/ 4120' - T/ 4595' = 475' @ 70.71 FPH / WOB 14K-17K / TOP DRIVE RPM 40-45 / PUMP 102 SPM = 459 GPM / PUMP PRESSURE ON/OFF BOTTOM 1500/1220 PSI / MUD MOTOR RPM 101 / PU/SO/ROT WT 145/100/118 / TORQUE ON/OFF BOTTOM 6K/5K / SLIDE 125' IN 2.58 HRS = 26.3% OF FOOTAGE DRILLED & 36.8% OF HOURS DRILLED / H2O + POLYMER
8/30/2009	0:00 - 6:00	6.00	DRLPRO	02	D	P		DRILL (ROTATE/SLIDE) F/ 4595' - T/ 5163' = 568' @ 94.6 FPH / WOB 18K-20K / TOP DRIVE RPM 35-45 / PUMP 110 SPM = 495 GPM / PUMP PRESSURE ON/OFF BOTTOM 1765/1493 PSI / MUD MOTOR RPM 109 / PU/SO/ROT WT 150/106/125 / TORQUE ON/OFF BOTTOM 8K/6K / SLIDE 60' IN 1.0 HRS = 10.56% OF FOOTAGE DRILLED & 16.6% OF HOURS DRILLED / H2O + POLYMER

RECEIVED December 29, 2009

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 922-18F1BS GREEN Spud Conductor: 5/29/2009 Spud Date: 6/21/2009
 Project: UTAH-UINTAH Site: NBU 922-18E PAD Rig Name No: ELENBURG 12/12, H&P 298/298
 Event: DRILLING Start Date: 6/22/2009 End Date: 9/5/2009
 Active Datum: RKB @4,920.00ft (above Mean Sea Level) UWI: SW/NW/0/9/S/22/E/18/0/0/6/PM/N/1,909.00/W/0/412.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	6:00 - 16:30	10.50	DRLPRO	02	D	P		DRILL (ROTATE/SLIDE) F/ 5163' - T/ 6108' = 945' @ 90.0 FPH / WOB 19K-21K / TOP DRIVE RPM 35-45 / PUMP 105 SPM = 471 GPM / PUMP PRESSURE ON/OFF BOTTOM 1680/1400 PSI / MUD MOTOR RPM 103 / PU/SO/ROT WT 185/124/145 / TORQUE ON/OFF BOTTOM 9K/8K / SLIDE 92' IN 2.25 HRS = 9.7% OF FOOTAGE DRILLED & 21.4% OF HOURS DRILLED / H2O + POLYMER
	16:30 - 17:00	0.50	DRLPRO	07	A	P		SERVICE RIG & EQUIPMENT / WORK PIPE RAMS / VISUAL INSPECTION ON B.O.P.E.
	17:00 - 0:00	7.00	DRLPRO	02	D	P		DRILL (ROTATE/SLIDE) F/ 6108' - T/ 6695' = 587' @ 83.8 FPH / WOB 18K-20K / TOP DRIVE RPM 35-45 / PUMP 110 SPM = 495 GPM / PUMP PRESSURE ON/OFF BOTTOM 1780/1550 PSI / MUD MOTOR RPM 109 / PU/SO/ROT WT 190/128/150 / TORQUE ON/OFF BOTTOM 8K/7K / SLIDE 27' IN .5 HRS = 4.6% OF FOOTAGE DRILLED & 7.1% OF HOURS DRILLED / H2O + POLYMER
8/31/2009	0:00 - 6:00	6.00	DRLPRO	02	D	P		DRILL (ROTATE) F/ 6695' - T/ 7109' = 414' @ 69.0 FPH / WOB 18K-20K / TOP DRIVE RPM 35-45 / PUMP 110 SPM = 495 GPM / PUMP PRESSURE ON/OFF BOTTOM 1780/1550 PSI / MUD MOTOR RPM 109 / PU/SO/ROT WT 201/133/158 / TORQUE ON/OFF BOTTOM 11K/10K / 100% OF FOOTAGE DRILLED BY ROTATING / 29 VIS / 9.3 PPG - STARTED LIGHT MUD UP @ 7000'
	6:00 - 14:00	8.00	DRLPRO	02	D	P		DRILL (ROTATE/SLIDE) F/ 7109' - T/ 7436' = 327' @ 40.87 FPH / WOB 18K-20K / TOP DRIVE RPM 35-45 / PUMP 110 SPM = 495 GPM / PUMP PRESSURE ON/OFF BOTTOM 1780/1550 PSI / MUD MOTOR RPM 109 / PU/SO/ROT WT 201/133/158 / TORQUE ON/OFF BOTTOM 11K/10K / SLIDE 50' IN 1.5 HRS = 15.29% OF FOOTAGE DRILLED & 18.75% OF HOURS DRILLED / 35 VIS / 9.6 PPG
	14:00 - 14:30	0.50	DRLPRO	07	A	P		SERVICE RIG & EQUIPMENT / WORK PIPE RAMS / VISUAL INSPECTION ON B.O.P.E.
	14:30 - 0:00	9.50	DRLPRO	02	D	P		DRILL (ROTATE) F/ 7436' - T/ 7720' = 284' @ 29.89 FPH / WOB 18K-23K / TOP DRIVE RPM 3-45 / PUMP 108 SPM = 486 GPM / PUMP PRESSURE ON/OFF BOTTOM 2060/1945 PSI / MUD MOTOR RPM 107 / PU/SO/ROT WT 222/136/167 / TORQUE ON/OFF BOTTOM 14K/13K / 100% OF FOOTAGE DRILLED BY ROTATING / 38 VIS / 9.9 PPG
9/1/2009	0:00 - 6:00	6.00	DRLPRO	02	D	P		DRILL (ROTATE) F/ 7720' - T/ 7909' = 189' @ 31.5 FPH / WOB 18K-23K / TOP DRIVE RPM 35-45 / PUMP 108 SPM = 486 GPM / PUMP PRESSURE ON/OFF BOTTOM 2065/1556 PSI / MUD MOTOR RPM 107 / PU/SO/ROT WT 2224/138/168 / TORQUE ON/OFF BOTTOM 14K/13K / 100% OF FOOTAGE DRILLED BY ROTATING / 38 VIS / 9.9 PPG

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**US ROCKIES REGION
Operation Summary Report**

Well: NBU 922-18F1BS GREEN	Spud Conductor: 5/29/2009	Spud Date: 6/21/2009
Project: UTAH-UINTAH	Site: NBU 922-18E PAD	Rig Name No: ELENBURG 12/12, H&P 298/298
Event: DRILLING	Start Date: 6/22/2009	End Date: 9/5/2009
Active Datum: RKB @4,920.00ft (above Mean Sea Level)	UWI: SW/NW/0/9/S/22/E/18/0/0/6/PM/N/1,909.00/W/0/412.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	6:00 - 18:00	12.00	DRLPRO	02	D	P		DRILL (ROTATE/SLIDE) F/ 7905' - T/ 8381' = 476' @ 39.66 FPH / WOB 20K-23K / TOP DRIVE RPM 35-45 / PUMP 110 SPM = 495 GPM / PUMP PRESSURE ON/OFF BOTTOM 2170/1900 PSI / MUD MOTOR RPM 109 / PU/SO/ROT WT 232/143/174 / TORQUE ON/OFF BOTTOM 15K/13K / SLIDE 67' IN 3.25 HOURS - 14% OF FOOTAGE DRILLED & 27% OF HOURS DRILLED / 38 VIS / 10.3 PPG / WEIGHT RAISED TO CONTROL SHALE / VISUAL INSPECTION ON B.O.P.E.
	18:00 - 0:00	6.00	DRLPRO	02	D	P		DRILL (ROTATE) F/ 8381' - T/ 8630' = 249' @ 41.5 FPH / WOB 20K-23K / TOP DRIVE RPM 35-45 / PUMP 108 SPM = 486 GPM / PUMP PRESSURE ON/OFF BOTTOM 2450/2220 PSI / MUD MOTOR RPM 107 / PU/SO/ROT WT 243/145/179 / TORQUE ON/OFF BOTTOM 17K/14K / ROTATED 100% OF FOOTAGE DRILLED / 40 VIS - 10.8 PPG / WEIGHT RAISED TO CONTROL SHALE & STABILIZE HOLE FOR ANTICIPATED BIT TRIP
9/2/2009	0:00 - 6:00	6.00	DRLPRO	02	D	P		DRILL (ROTATE/SLIDE) F/ 8630' - T/ 8825' = 195' @ 32.5 FPH / WOB 20K-23K / TOP DRIVE RPM 35-45 / PUMP 110 SPM = 495 GPM / PUMP PRESSURE ON/OFF BOTTOM 2470/2225 PSI / MUD MOTOR RPM 109 / PU/SO/ROT WT 248/147/181 / TORQUE ON/OFF BOTTOM 17K/14K / SLIDE 16' IN 1.25 HOURS - 8.2% OF FOOTAGE DRILLED & 20.8% OF HOURS DRILLED / 38 VIS / 10.8 PPG / WEIGHT RAISED TO CONTROL SHALE & STABILIZE HOLE FOR ANTICIPATED BIT TRIP
	6:00 - 14:30	8.50	DRLPRO	02	D	P		DRILL (ROTATE/SLIDE) F/ 8825' - T/ 9042' = 217' @25.5 FPH / WOB 20K-23K / TOP DRIVE RPM 35-45 / PUMP 110 SPM = 495 GPM / PUMP PRESSURE ON/OFF BOTTOM 2500/2225 PSI / MUD MOTOR RPM 109 / PU/SO/ROT WT 263/152/186 / TORQUE ON/OFF BOTTOM 15K/14K / SLIDE 17' IN 2:45 HOURS - 11% OF FOOTAGE DRILLED & 32.3% OF HOURS DRILLED / 38 VIS / 11.2 PPG / WEIGHT RAISED TO CONTROL SHALE RIG SERVICE
	14:30 - 15:00	0.50	DRLPRO	07	A	P		
	15:00 - 16:00	1.00	DRLPRO	02		P		DRILL (ROTATE/SLIDE) F/ 8842' - T/ 9053' = 11' @11 FPH / WOB 20K-23K / TOP DRIVE RPM 35-45 / PUMP 110 SPM = 495 GPM / PUMP PRESSURE ON/OFF BOTTOM 2470/2225 PSI / MUD MOTOR RPM 109/PU/SO/ROT WT 265/1152/187 / TORQUE ON/OFF BOTTOM 15K/14K /
	16:00 - 17:00	1.00	DRLPRO	05	C	P		CIRC & COND MUD F/ TRIP BTMS UP GAS 2903 UNITS,BUILD SLUG
	17:00 - 21:00	4.00	DRLPRO	06	A	P		P.O.O.H. @9053' W/ BIT #1 (PULL 4 STANDS - PUMP SLUG) / PULL ROTATING RUBBER @BHA, FLOW CHECK, TOH
	21:00 - 22:00	1.00	DRLPRO	06	A	P		LD DIRECTIONAL TOOLS, BREAK BIT, L/D .22 M MTR PU .16 STRAIGHT M MTR, MAKE UP BIT SURFACE TEST M MTR.
	22:00 - 0:00	2.00	DRLPRO	06	A	P		TIH TO CSG SHOE, XO SAVER SUB IN TOP DRIVE
9/3/2009	0:00 - 0:30	0.50	DRLPRO	06	A	P		XO SAVER SUB IN TOP DRIVE, BREAK CIRC
	0:30 - 2:30	2.00	DRLPRO	06	A	P		TIH ,WORK THRU BRIDGE @ 5175', CIH, BREAK CIRC 2 6025', CIH TO 9025'
	2:30 - 3:00	0.50	DRLPRO	03	D	P		W & R 9025-9053 2' FILL

RECEIVED December 29, 2009

US ROCKIES REGION
Operation Summary Report

Well: NBU 922-18F1BS GREEN Spud Conductor: 5/29/2009 Spud Date: 6/21/2009
 Project: UTAH-UINTAH Site: NBU 922-18E PAD Rig Name No: ELENBURG 12/12, H&P 298/298
 Event: DRILLING Start Date: 6/22/2009 End Date: 9/5/2009
 Active Datum: RKB @4,920.00ft (above Mean Sea Level) UWI: SW/NW/0/9/S/22/E/18/0/0/6/PM/N/1,909.00/W/0/412.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	3:00 - 6:00	3.00	DRLPRO	02	D	P		DRILL 9053-9260=207'=69 FPH,WOB 14-16,RPM TD/ 45 MTR/76/SPM 105/GPM 471/SPP ON/OFF2550/2250 / PU/SO/ROT 254/150/183/ TQ ON/OFF 18/15 MUD WT 11.2 TRIP GAS 4967 UNITS NO FLARE
	6:00 - 14:30	8.50	DRLPRO	02	D	P		DRILL 9260-9680=420'=49.4 FPH,WOB 16-18,RPM TD/ 40 MTR/72/SPM 100/GPM 450/SPP ON/OFF2350/2140 / PU/SO/ROT 270/155/191/ TQ ON/OFF 16/14 MUD WT 11.4 LOST 60 BBLS MUD BYPASS SKAKERS @9490' LCM 3%
	14:30 - 15:00	0.50	DRLPRO	07	A	P		RIG SERVICE,WORK PIPE RAMS
	15:00 - 0:00	9.00	DRLPRO	02	D	P		DRILL 9680-9964=284'=31.5 FPH,WOB 18-20,RPM TD/ 40 MTR/72/SPM 100/GPM 450/SPP ON/OFF2580/2296 / PU/SO/ROT 270/155/194/ TQ ON/OFF 16/14 MUD WT 11.6
9/4/2009	0:00 - 7:30	7.50	DRLPRO	02	C	P		DRILL 9964-10190 =226=30.1FPH WOB 20-22 / RPM TD 45,M MTR 72/SPM 100/ GPM 450/ SPP ON/OFF 2580/2300/PU/SO/ROT/ 270/155/194/ TQ ON/OFF 16/15 MUD WT 118 LCM 5% TD 10190'@ 07:30 HRS 09/04/2009
	7:30 - 9:00	1.50	DRLPRO	05	C	P		CCH F/ WIPER TRIP
	9:00 - 11:00	2.00	DRLPRO	06	E	P		13 STD WIPER TRIP TO 9000'(BACK REAM 9 STDS OUT TO 9385') BTMS UP GAS 5524 UNITS 3' FLARE
	11:00 - 13:00	2.00	DRLPRO	05	C	P		CCH,FOR LOGS RAISE MUD WT TO 11.9
	13:00 - 13:30	0.50	DRLPRO	10	B	P		DROP SURVEY
	13:30 - 18:30	5.00	DRLPRO	06	B	P		POOH F/ E-LOGS,TIGHT SPOT 5300', FLOW CHECK @ CSG SHOE,
	18:30 - 19:30	1.00	DRLPRO	06	B	P		BREAK BIT L/D MONEL DC,M MTR.PULLWEAR BUSHING
	19:30 - 0:00	4.50	DRLPRO	11	D	P		HSM,RU HALLIBURTON RUN TRIPLE COMBO TO 10,092 'TD,LOG OUT
9/5/2009	0:00 - 0:30	0.50	EVALPR	11	E	P		R.D.M.O HALLIBURTON LOGGERS
	0:30 - 1:30	1.00	CSG	12	A	P		HSM M.I.R.U WEATHERFORD TRS
	1:30 - 8:00	6.50	CSG	12	C	P		RUN 7 JTS P-110 11.6# LT&C ,1 JT OF P-110,11.6# LTC X/O TO BTC 4.5 CASING + 231 JTS I-80 #11.6 BTC 4.5 CASING + RELATED TOOLS / BREAKING CIRCULATION @ SELECTED INTERVALS / STOP @10,150 ' / INSTALL MANDREL & ROTATING RUBBER / RU TO CIRC CSG &,BREAK CIRC CIRCULATE & CONDITION HOLE FOR CEMENT / R.D.M.O. CASING EQUIPMENT / RU B.J. CEMENTING EQUIPMENT HSM / LOST FULL RETURNS 30 MINUTES INTO CIRCULATION / ADDED LCM TO MUD & PUMPED APPROXIMATELY 350 BBLS WITH NO RETURNS,R/U BJ VIS 42 WT 11.9 LCM 5%
	8:00 - 9:30	1.50	CSG	05	A	P		

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**US ROCKIES REGION
Operation Summary Report**

Well: NBU 922-18F1BS GREEN Spud Conductor: 5/29/2009 Spud Date: 6/21/2009
 Project: UTAH-UINTAH Site: NBU 922-18E PAD Rig Name No: ELENBURG 12/12, H&P 298/298
 Event: DRILLING Start Date: 6/22/2009 End Date: 9/5/2009
 Active Datum: RKB @4,920.00ft (above Mean Sea Level) UWI: SW/NW/0/9/S/22/E/18/0/0/6/PM/N/1,909.00/W/0/412.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	9:30 - 12:30	3.00	CSG	12	E	P		HSM TEST PUMPS & LINES TO 4200 PSI / PUMP 40 BBLS DYED H2O / PUMPED + 622 SX LEAD CEMENT @ 11.8 ppg (PREM LITE II + .05lbs/sx STATIC FREE + .25 pps CELLOFLAKE + 5 pps KOL SEAL + 8% bwoc BENTONITE + .2% bwoc SODIUM METASILICATE + 203 BBLS H2O / (13.67 gal/sx, 2.42 yield) WITH NO CIRCULATION + PUMP 1190 SX TAIL @ 14.3 ppg (CLS G 50/50 POZ + 10% SALT + .05lbs/sx STATIC FREE + .2% R3 + .002 GPS FP-6L + 2% BENTONITE + 180 BBLS H2O / (5.90 gal/sx, 1.31 yield) FULL RETURNS @ 53 BBLS TAIL PUMPED / DROP PLUG & DISPLACE W/ 158 BBLS H2O + ADDITIVES / PARTICAL RETURNS AFTER 108 BBLS INTO DISPLACEMENT / LIFT PRESSURE @ 2650 PSI (CALC TOP OF TAIL @ 3750') / BUMP PLUG W/ 3200 PSI - HOLD 5 MINUTES W/ NO LOSS / PLUG DOWN @ 12:10 HOURS W/ NO CEMENT TO SURFACE / FLOATS HELD W/ 2.0 BBLS BACK TO INVENTORY / R.D.M.O. CEMENT EQUIPMENT
	12:30 - 13:30	1.00	CSG	12	C	P		LAND CASING W/ SHOE @ 10180' - TOP OF FLOAT COLLAR @ 10137' / LAY DOWN LANDING JOINT & ROTATING RUBBER
	13:30 - 14:30	1.00	CSG	14	A	P		NIPPLE DOWN B.O.P.E. / CLEAN PITS + PREP RIG FOR SKID / RELEASE RIG @ 14:30 HRS 09/05/2009 TO NBU 922-18F1CS

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**US ROCKIES REGION
Operation Summary Report**

Well: NBU 922-18F1BS GREEN Spud Conductor: 5/29/2009 Spud Date: 6/21/2009
 Project: UTAH-UINTAH Site: NBU 922-18E PAD Rig Name No:
 Event: COMPLETION Start Date: 12/2/2009 End Date: 12/17/2009
 Active Datum: RKB @4,920.00ft (above Mean Sea Level) UWI: SW/NW/0/9/S/22/E/18/0/0/6/PM/N/1,909.00/W/0/412.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
11/6/2009	6:00 - 6:15	0.25	COMP	48		P		DAY 1 - JSA & SM. NO H2S PRESENT MIRU SERVICE RIG. SPOT EQUIP. WHP = 0 PSI. NDWH, NUBOP. R/U FLOOR & TBG EQUIP. PREP & TALLY TBG. PU 3 7/8" BIT & SUB. RIH ON NEW 2 3/8" TBG. TAG FILL @ 10080'. RU PWR SWVL & PMP. EST CIRC. W/TMAC. DRLG OUT CIBP @ 10080' IN 1RH 10 MIN. CONT. TO C/O. DRLG OUT FLOAT COLLAR @ 10139' IN 20 MIN. CONT TO C/O CMT. BIT QUITE DRLG @ 10151'. BTM PERF @ 10136'. 15' RATE HOLE. PU 5' & CIRC WELL CLEAN. PT CSG TO 4800 PSI. HOLD 15 MIN. (GOOD TEST) BLEED OF WELL, RD PWR SWVL & CIRCULATE WELL W/180 BBLs TMAC.
	6:15 - 18:30	12.25	COMP	30	A	P		
11/7/2009	7:00 -		COMP	30		P		SWI - SDFN. HSM LD TBG NDBOP NUFV LOAD CSG WITH T-MAC TEST CSG TO 7000# = GOOD TEST RDMO
11/9/2009	7:00 - 18:00	11.00	COMP	36	B	P		STG 1)PU 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 & 120 DEG PHASING. RIH TAG @ 10122'. 16' SHALLOW. CALL CONNER. DECIDED T/ SKIP THIS WELL UNTIL WE FRAC & PERF THE LAST 3 WELLS IN DEC.
12/3/2009	7:00 - 7:30	0.50	WO/REP	48		P		HSM, RIGGING UP AND WORKING AROUND LIVE WELLS.
	7:30 - 10:30	3.00	WO/REP	30	A	P		RIG UP RIG, ND WH NU BOPS, RIG UP FLOOR & TBG EQUIP.
	10:30 - 21:30	11.00	WO/REP	31	I	P		PU 3 7/8 FANG TOOTH MILL, BIT SUB AND 319 JTS 23/8 L-80 TBG S.L.M. TAG UP @ 10,136.30' TBG MEAS. RU DRL EQUIP, BREAK CIRC REVERSE, C/O.10,136.30' TROUGH FLOAT COLLAR TO 10,151.12', CIRC CLEAN, L/D 1 JT, TEST CSG TO 3500 PSI FOR 10 MIN OK. BLEAD OFF L/D 9 JTS EOT @ 9834' SWI DRAIN EQUIP SDFN.
12/4/2009	7:00 - 7:30	0.50	WO/REP	48		P		HSM, WORKING W/ TBG TONGSS, PINCH POINTS.
	7:30 - 17:00	9.50	WO/REP	31	I	P		0 PSI ON WELL, RACK OUT SWIVEL L/D REM 309 JTS 23/8 L-80 L/D MILL. RD FLOOR, ND BOPS, RDMOL, MIRU ON NBU 922-18D3DS, SDFN
12/7/2009	7:00 - 21:00	14.00	COMP	33	D	P		HSM. MIRU B&C QUICK TEST. PSI TEST CSG & BOTH FRAC VAVLES.
12/9/2009	7:00 - 19:00	12.00	COMP	37	B	P		HSM. MIRU CUTTERS WL. PU 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 & 120 DEG PHASING. RIH TAG @ 10126'. LACK 12' F/ GETTING DEEP ENOUGH T/ SHOOT INTERVAL F/10134'-38'. CALL CONNER STALEY, DECIDED T/ PERF & CONT ON. (THAT CHANGES BTM INTERVAL T/ 10122'-10126'.) 9999'-01', 3 SPF, 6 HOLES. 10050'-54', 3 SPF, 12 HOLES. 10108'-10', 4 SPF, 8 HOLES. 10122'-26', 4 SPF, 16 HOLES. POOH. WINTERIZE WELL HEAD. SWI SDFN.

RECEIVED December 29, 2009

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 922-18F1BS GREEN		Spud Conductor: 5/29/2009		Spud Date: 6/21/2009	
Project: UTAH-UINTAH		Site: NBU 922-18E PAD		Rig Name No:	
Event: COMPLETION		Start Date: 12/2/2009		End Date: 12/17/2009	
Active Datum: RKB @4,920.00ft (above Mean Sea Level)		UWI: SW/NW/0/9/S/22/E/18/0/0/6/PM/N/1,909.00/W/0/412.00/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
12/11/2009	10:30 - 18:00	7.50	COMP	36	B	P		<p>STG 1)10:50 OPEN WELL. WHP 1140 PSI, BRK 4514 PSI @ 4.3 BPM. ISIP 2800 PSI, FG .71.</p> <p>PUMP 80 BBLS OF PRE PAD THEN SHUT DOWN T/ SWITCH OVER T/ BLUE WELL (18D3DS) ATTM T/ PUMP PLUG DOWN WELL. DIDN'T WORK. PRESSURED UP T/ 5300#. SD. SWITCH BACK T/ THIS WELL.</p> <p>11:45 OPEN WELL BEG FRAC FOR THE 2ND TIME. PUMP 100 BBLS @ 49 BPM @ 4900 PSI = 100% HOLES OPEN. HAD T/ SHUT DOWN PUMP #2. CHECK VALVE WAS LEAKING. WHILE SHUTTING PUMP DOWN LINE F/ PUMP #2 CAME LOOSE @ MANIFOLD. HAD T/ SHUT DOWN ALL PUMPS FOR 12 MIN. MAKE REPAIRS T/ MANIFOLD. ATTM T/ REFLUSH WELL. PUMP 96 BBLS OF FLUSH & SCREAMED OUT. SD, OPEN WELL T/ PIT T/ FLOW BACK WELL FOR 15 MIN. 13:34 ATTM T/ REFLUSH WELL. WHILE FLUSHING WELL FR PUMP FROZE. TRYED T/ SWITCH FR PUMPS BUT THE #2 FR PUMP WAS FROZE TO. PUMP FLUSH WITH OUT FR. SWI, X-OVER T/ YELLOW WELL. PMP 2262 BBLS SW & 67,253 LBS OF 30/50 SND & NO 20/40 RESIN SND. TOTAL PROP 67,253 LBS. LEFT 5,000# TLC IN CSG. SWI. MAKE REPAIRS T/ CHECK VALVES & SWITCH PUMP AROUND.</p> <p>STG 2)PU 4 1/2 8K HAL CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 120 DEG PHASING. RIH SET CBP @ 9948' P/U PERF F/ 9732'-34', 4 SPF, 8 HOLES. 9796'-00', 4 SPF, 16 HOLES. 9914'-18', 4 SPF, 16 HOLES. 40 HOLES TOTAL. POOH. SWI, SDFN.</p>

RECEIVED December 29, 2009

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 922-18F1BS GREEN		Spud Conductor: 5/29/2009	Spud Date: 6/21/2009
Project: UTAH-UINTAH		Site: NBU 922-18E PAD	Rig Name No:
Event: COMPLETION		Start Date: 12/2/2009	End Date: 12/17/2009
Active Datum: RKB @4,920.00ft (above Mean Sea Level)		UWI: SW/NW/09/S/22/E/18/0/0/6/PM/N/1,909.00/W/0/412.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
12/12/2009	7:00 - 18:00	11.00	COMP	36	B	P		<p>12:18 OPEN WELL. STG 2)WHP 2710 PSI, BRK 3814 PSI @ 2.1 BPM. ISIP 2833 PSI, FG .72. PUMP 100 BBLs @ 44 BPM @ 5500 PSI = 100% HOLES OPEN. EXT PAD BY 70 BBLs. (DUE T/ HIGH PSI & LOW RT. 6700 PSI @ 35 BPM.) MP 6742 PSI, MR 50.2 BPM, AP 5171 PSI, AR 49.1 BPM, ISIP 2785 PSI, FG .72, NPI -48 PSI. PMP 738 BBLs SW & 16,187 LBS OF 30/50 SND & 5,000 LBS OF 20/40 RESIN SND. TOTAL PROP 21,184 LBS. 12:45 SWI. X-OVER T/ YELLOW.</p> <p>STG 3)PU 4 1/2 8K HAL CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 120 DEG PHASING. RIH SET CBP @ 9694' P/U PERF F/ 9460'-62', 3 SPF, 6 HOLES. 9561'-64', 3 SPF, 9 HOLES. 9634'-38', 3 SPF, 12 HOLES. 9660'-64', 3 SPF, 12 HOLES. POOH. 16:23 OPEN WELL. WHP 1805 PSI, BRK 2721 PSI @ 4.3 BPM. ISIP 2657 PSI, FG .71. PUMP 100 BBLs @ 47 BPM @ 6000 PSI = 100% HOLES OPEN. MP 6036 PSI, MR 51.2 BPM, AP 5219 PSI, AR 50.2 BPM, ISIP 2857 PSI, FG .73, NPI 200 PSI. PMP 1134 BBLs SW & 37,901 LBS OF 30/50 SND & 5,000 LBS OF 20/40 RESIN SND. TOTAL PROP 42,901 LBS, 17:00 SWI. X-OVER T/ RED.</p> <p>STG 4) PU 4 1/2 8K HAL CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 120 DEG PHASING. RIH SET CBP @ 9376' P/U PERF F/ 9198'-02', 3 SPF, 12 HOLES. 9250'-52', 3 SPF, 6 HOLES. 9296'-99', 3 SPF, 9 HOLES. 9342'-46', 3 SPF, 12 HOLES. POOH. 18:00 SWI.</p>
12/13/2009	7:00 - 18:00	11.00	COMP	36	B	P		<p>12:35 OPEN WELL. STG 4)WHP 1510 PSI, BRK 2764 PSI @ 4.7 BPM. ISIP 2205 PSI, FG .67. PUMP 100 BBLs @ 48 BPM @ 5100 PSI = 100% HOLES OPEN. MP 5260 PSI, MR 49 BPM, AP 4257 PSI, AR 48.7 BPM, ISIP 2226 PSI, FG .67, NPI 21 PSI. PMP 2408 BBLs SW & 90,083 LBS OF 30/50 SND & 5,000 LBS OF 20/40 RESIN SND. TOTAL PROP 95,083 LBS, 13:33 SWI, X-OVER T/ YELLOW.</p>
12/14/2009	6:30 - 7:00	0.50	COMP	48		P		<p>STG 5)PU 4 1/2 8K HAL CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 & 120 DEG PHASING. RIH SET CBP @ 9114' P/U PERF F/ 8873'-76', 3 SPF, 9 HOLES. 8918'-22', 3 SPF, 12 HOLES. 8980'-82', 3 SPF, 6 HOLES. 9080'-84, 4 SPF, 16 HOLES. POOH. 18:00 SWI FN. HSM. FRACING & PERFORATING</p>

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 922-18F1BS GREEN		Spud Conductor: 5/29/2009		Spud Date: 6/21/2009	
Project: UTAH-UINTAH		Site: NBU 922-18E PAD		Rig Name No:	
Event: COMPLETION		Start Date: 12/2/2009		End Date: 12/17/2009	
Active Datum: RKB @4,920.00ft (above Mean Sea Level)		UWI: SW/NW/0/9/S/22/E/18/0/0/6/PM/N/1,909.00/W/0/412.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:00 - 8:10	1.17	COMP	36	B	P		STG 5) WHP 1,860 PSI, BRK @ 2,236 PSI, @ 6.9 BPM, ISIP 1,964 PSI, FG .65. PUMP 100 BBLS @ 44.5 BPM @ 5,500 PSI = 73% HOLES OPEN. MP 5,885 PSI, MR 50.6 BPM, AP 4,571 PSI, AR 49.3 BPM, ISIP 2,580 PSI FG .72, NPI 616 PSI. PUMP 2,176 BBLS OF SW & 80,715 LBS OF 30/50 SND & 5,000 LBS OF 20/40 RESIN SND. TOTAL PROP 85,715 LBS.
	8:10 - 12:20	4.17	COMP	36	B	P		STG 6) PU 4 1/2" HAL CBP & 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 90 & 120 DEG PHASING. RIH SET CBP @ 8,806' & PERF 8,774' - 76' 4SPF, 8,700' 04 3SPF, 8,644' - 46' 4SPF, 8,616' - 18' 3SPF, 8,570' - 72' 3SPF, 40 HOLES. WHP 978 PSI, BRK @ 6,728 PSI, @ 3.0 BPM, ISIP 2,057 PSI, FG .67. PUMP 100 BBLS @ 49.1 BPM @ 5,095 PSI = 100% HOLES OPEN. MP 6,114 PSI, MR 50.3 BPM, AP 4,771 PSI, AR 48.9 BPM, ISIP 2,428 PSI FG .71, NPI 371 PSI. PUMP 1,359 BBLS OF SW & 46,106 LBS OF 30/50 SND & 5,000 LBS OF 20/40 RESIN SND. TOTAL PROP 51,106 LBS.
	12:20 - 15:15	2.92	COMP	36	B	P		STG 7) PU 4 1/2" HAL CBP & 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 90 & 120 DEG PHASING. RIH SET CBP @ 8,306' & PERF 8,274' - 76' 4SPF, 8,224' - 26' 3SPF, 8,214' - 18' 3SPF, 8,160' - 64' 3SPF, 40 HOLES. WHP 869 PSI, BRK @ 2,295 PSI, @ 4.9 BPM, ISIP 1,681 PSI, FG .64. PUMP 100 BBLS @ 49.1 BPM @ 4,257 PSI = 100% HOLES OPEN. MP 5,085 PSI, MR 50.8 BPM, AP 4,228 PSI, AR 49.7 BPM, ISIP 2,528 PSI FG .74, NPI 747 PSI. PUMP 1,339 BBLS OF SW & 47,214 LBS OF 30/50 SND & 5,000 LBS OF 20/40 RESIN SND. TOTAL PROP 52,214 LBS.
	15:15 - 16:15	1.00	COMP	34	I	P		KILL PLG) PU 4 1/2" HAL CBP RIH SET CBP @ 8,110'. THIS WELL COMPLETE.
12/15/2009	7:00 - 7:30	0.50	COMP	48		P		HSM, MOVING EQUIP ON SLICK ROADS
	7:30 - 11:30	4.00	COMP	46	E	P		WAIT FOR SUPERIOR TO EXIT LOCATIN W/ THEIR EQUIPMENT.
	11:30 - 17:30	6.00	COMP	30	A	P		WAIT FOR RNI GRADER TO CLEAN LOCATION AND FIND DEAD MAN ANCORES. RIG UP RIG, ND FRAC VALVE NU BOPS, RU FLOOR AND TBG EQUIP. RU FLOOR TARPS AND WELL HEAD HEATER. SWI SDFN
12/16/2009	7:00 - 7:30	0.50	COMP	48		P		HSM, PICKING UP TBG OFF FLOAT, AND DRILLING CBPS

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US ROCKIES REGION
Operation Summary Report

Well: NBU 922-18F1BS GREEN Spud Conductor: 5/29/2009 Spud Date: 6/21/2009
 Project: UTAH-UINTAH Site: NBU 922-18E PAD Rig Name No:
 Event: COMPLETION Start Date: 12/2/2009 End Date: 12/17/2009
 Active Datum: RKB @4,920.00ft (above Mean Sea Level) UWI: SW/NW/0/9/S/22/E/18/0/0/6/PM/N/1,909.00/W/0/412.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:30 - 18:30	11.00	COMP	31	I	P		SICP 0 PSI. PU 37/8 OUTLAW MILL, POBS, 255 JTS 23/8 L-80 TBG OFF FLOAT. RU SWIVEL. BROKE CIRC CONVENTIONAL W/ TREATED FRESH WTR. C/O 0' SAND TAG 1ST PLUG @ 8110' DRL PLUG 10 MIN 0 # PSI INCREASE RIH C/O 30' SAND TAG 2ND PLUG @ 8306' DRL PLUG 60 MIN 500 # PSI INCREASE RIH C/O 45' SAND TAG 3RD PLUG @ 8806' DRL PLUG 5 MIN 700 # PSI INCREASE EOT @ 8852' 278 JTS 23/8 L-80 IN HOLE. SHUT IN TBG LEFT CSG FLOWING TO PIT FOR FLOW BACK CREW. DRAIN EQUIP SDFN.
12/17/2009	7:00 - 7:30	0.50	COMP	48		P		HSM, DRILLING OUT PLUGS IN COLD WEATHER.
	7:30 - 21:00	13.50	COMP	31	I	P		CSG FLOWING TO PIT @ 600 PSI, RIH. C/O 30' SAND TAG 4TH PLUG @ 9114' DRL PLUG IN 8 MIN 400# PSI INCREASE RIH. C/O 30' SAND TAG 5TH PLUG @ 9376' DRL PLUG IN 12 MIN 200# PSI INCREASE RIH. C/O 30' SAND TAG 6TH PLUG @ 9694' DRL PLUG IN 10 MIN 100# PSI INCREASE RIH. C/O 30' SAND TAG 7TH PLUG @ 9948' DRL PLUG IN 10 MIN 500# PSI INCREASE PRESSURE HIT BTM OF PLUG, SUCTION PLUGGED OFF ON 400 UPRIGHT TANK W/ TANK SEAL RUBBER. TWISTED SWIVEL AND HOSES UP GOT SHUT DWN, GOT SWIVEL UN TWISTED LD 1 JT TBG. RU SWIVEL, GOT SUCTION UNPLUGGED EQUILIZED WELL, RIH C/O TO 10,149. TBG TRYING TO GET STUCK.' CIRC 1/2 HR L/D 14 JTS 23/8. LAND TBG ON 305 JTS 23/8 L-80. HANGER LEAKING, UNLAND RUBBERS WERE CUT, LAND 2ND HANGER SAME THING WOULD NOT HOLD PRESSURE. UNLAND WAIT ON CAMERON. INSTALLED 3RD HANGER EQUILIZED W/ RIG PUMP LANDED HANGER OK. ND BOPS NU WH PUMP OFF BIT W/ 45 BBLS WTR. TURN WELL OVER TO FB CREW. DRAIN EQUIP SDFN. SICP 1600 PSI. KB 26' HANGER = .83' 305 JTS 23/8 L-80= 9685.78' POBS= 2.20' EOT @ 9714.81' 324 JTS HAULED IN 305 JTS LANDED 19 RETURNED- 4 BAD TWTR 12,396 TWR 2,000 TWLTR 10,393 7 AM FLBK REPORT: CP 2650#, TP 1050#, 20/64" CK, 48 BWPH, LIGHT SAND, MEDIUM GAS TTL BBLS RECOVERED: 2556 BBLS LEFT TO RECOVER: 9840
12/18/2009	7:00 -			33	A			

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US ROCKIES REGION
Operation Summary Report

Well: NBU 922-18F1BS GREEN	Spud Conductor: 5/29/2009	Spud Date: 6/21/2009
Project: UTAH-UINTAH	Site: NBU 922-18E PAD	Rig Name No:
Event: COMPLETION	Start Date: 12/2/2009	End Date: 12/17/2009
Active Datum: RKB @4,920.00ft (above Mean Sea Level)	UWI: SW/NW/0/9/S/22/E/18/0/0/6/PM/N/1,909.00/W/0/412.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
12/19/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 2400#, TP 950#, 20/64" CK, 36 BWPH, MEDIUM SAND, MEDIUM GAS TTL BBLS RECOVERED: 3516 BBLS LEFT TO RECOVER: 8880
12/20/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 2400#, TP 1500#, 20/64" CK, 30 BWPH, MEDIUM SAND, - GAS TTL BBLS RECOVERED: 4305 BBLS LEFT TO RECOVER: 8091
12/21/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 2400#, TP 2350#, 20/64" CK, 25 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 4962 BBLS LEFT TO RECOVER: 7434
12/22/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 2250#, TP 1500#, 20/64" CK, 20 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 5484 BBLS LEFT TO RECOVER: 6912
12/23/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 2450#, TP 1450#, 20/64" CK, 18 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 5940 BBLS LEFT TO RECOVER: 6456
	14:00 -		PROD	50				WELL TURNED TO SALE @ 1400 HR ON 12/24/09 - FTP 1400#, CP 2400#, 2.0 MCFD, 18 BWPD, 20/64 CK

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
UTU461

1a. Type of Well Oil Well Gas Well Dry Other
b. Type of Completion New Well Work Over Deepen Plug Back Diff. Resvr.
Other _____

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.
UTU63047A

2. Name of Operator
KERR-MCGEE OIL&GAS ONSHORE
Contact: ANDY LYTLE
Email: andrew.lytle@anadarko.com

8. Lease Name and Well No.
NBU 922-18F1BS

3. Address P.O. BOX 173779
DENVER, CO 80217
3a. Phone No. (include area code)
Ph: 720-929-6100

9. API Well No.
43-047-39846

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface SWNW 1909FNL 412FWL 40.03801 N Lat, 109.48926 W Lon
At top prod interval reported below SENW 1368FNL 1866FWL
At total depth SENW 1395FNL 1871FWL *per HSM review*

10. Field and Pool, or Exploratory
NATURAL BUTTES

11. Sec., T., R., M., or Block and Survey
or Area Sec 18 T9S R22E Mer

12. County or Parish
UINTAH
13. State
UT

14. Date Spudded
05/29/2009
15. Date T.D. Reached
09/04/2009
16. Date Completed
 D & A Ready to Prod.
12/23/2009

17. Elevations (DF, KB, RT, GL)*
4894 GL

18. Total Depth: MD 10190 TVD 9934
19. Plug Back T.D.: MD 10134 TVD 9878
20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
GR/CBL-ACTR/DSN/SDL-BHV
22. Was well cored? No Yes (Submit analysis)
Was DST run? No Yes (Submit analysis)
Directional Survey? No Yes (Submit analysis)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20.000	14.000 STEEL	36.7		40		28			
12.250	9.625 J-55	36.0		2834		725			
7.875	4.500 I-80	11.6		10180		1812			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	9714							

25. Producing Intervals 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MESAVERDE	8160	10126	8160 TO 10126	0.360	283	OPEN
B) <i>WSMVD</i>						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
8160 TO 10126	PMP 11,416 BBLs SLICK H2O & 415,456 LBS 30/50 SD.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
12/23/2009	12/29/2009	24		0.0	1936.0	250.0			FLows FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
20/64	SI 1545	2500.0		0	1936	250		PGW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI								

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JAN 26 2010

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #80469 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

DIV. OF OIL, GAS & MINING

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas(Sold, used for fuel, vented, etc.)
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
GREEN RIVER	1834				
MAHOGANY	2473				
WASATCH	5344	8007			
MESAVERDE	8047	10155			

32. Additional remarks (include plugging procedure):

ATTACHED TO THIS WELL COMPLETION REPORT IS THE FINAL DIRECTIONAL SURVEY.

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7 Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

**Electronic Submission #80469 Verified by the BLM Well Information System.
For KERR-MCGEE OIL&GAS ONSHORE, LP, sent to the Vernal**

Name (please print) ANDY LYTLE

Title REGULATORY ANALYST

Signature  (Electronic Submission)

Date 01/22/2010

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.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****



ANADARKO PETROLEUM CORP.

UINTAH COUNTY, UTAH (nad 27)

NBU 922-18E PAD

NBU 922-18F1BS

NBU 922-18F1BS

Survey: Survey #1

Standard Survey Report

08 September, 2009



Weatherford®

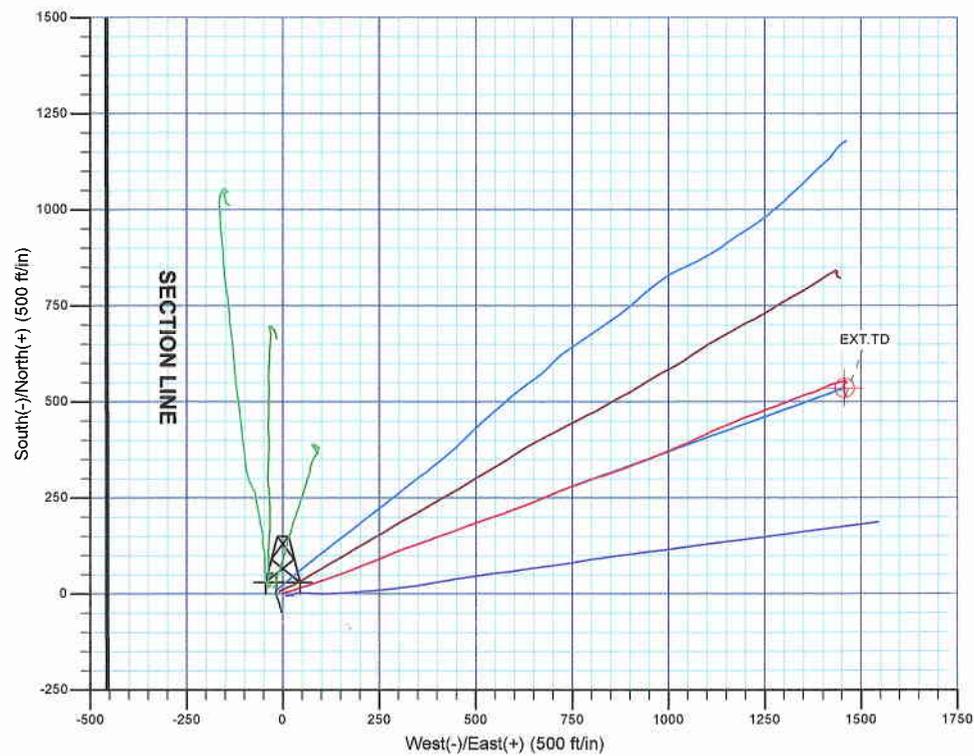
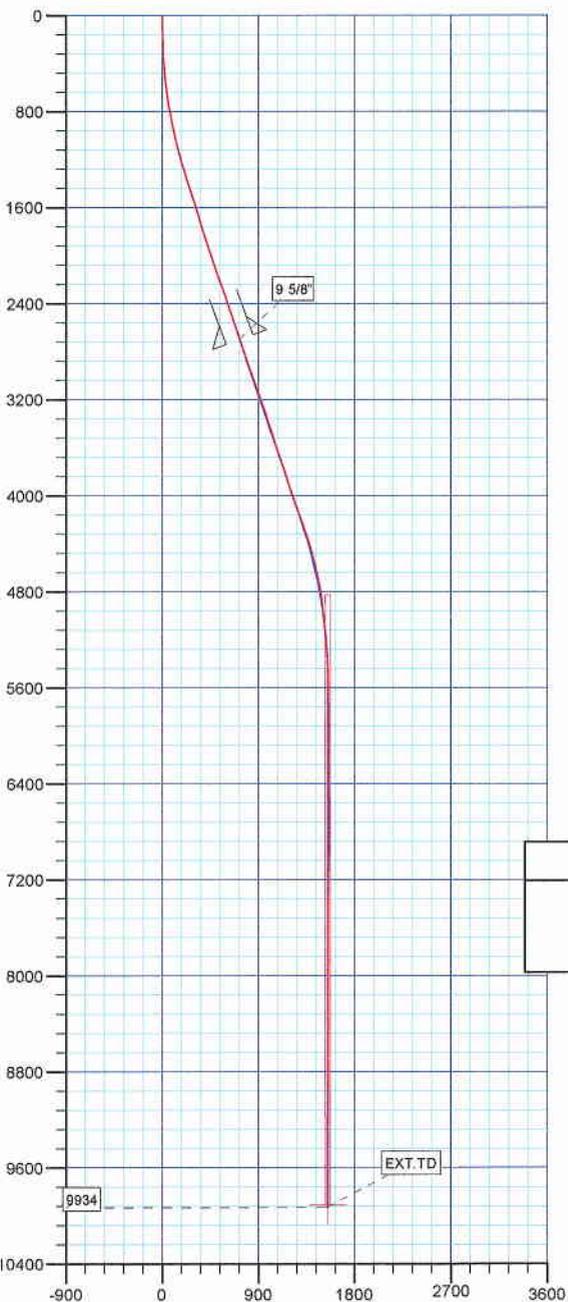
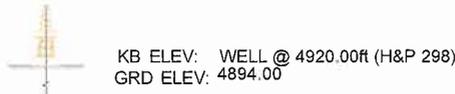


WELL DETAILS: NBU 922-18F1BS						
+N/-S	+E/-W	Northing	Easting	Ground Level: 4894.00	Latitude	Longitude
0.00	0.00	14543486.77	2063478.23		40° 2' 16.950 N	109° 29' 18.859 W

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
4814.00	5062.06	Top Wasatch:
7479.00	7732.18	Top Mesaverde:
8415.00	8668.18	MVU21:
8927.00	9180.18	MVL1:

SECTION DETAILS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
2790.00	20.25	66.99	2675.12	247.74	671.41	0.00	0.00	715.65	
2940.00	20.25	66.99	2815.85	268.03	719.19	0.00	0.00	767.51	
2990.38	20.91	70.04	2863.02	274.51	735.67	2.50	59.86	785.21	
4434.21	20.91	70.04	4211.76	450.39	1220.02	0.00	0.00	1300.50	
5828.18	0.00	0.00	5575.00	536.24	1456.47	1.50	180.00	1552.05	
10168.18	0.00	0.00	9915.00	536.24	1456.47	0.00	0.00	1552.05	PBHL_NBU 922-18F1BS

CASING DETAILS			
TVD	MD	Name	Size
2702.33	2819.00	9 5/8"	9.62



WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)									
PBHL	Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
		9915.00	536.24	1456.47	14544047.65	2064925.38	40° 2' 22.250 N	09° 29' 0.130 W	Circle (Radius: 25.00)

Company: ANADARKO PETROLEUM CORP.
Project: UINTAH COUNTY, UTAH (nad 27)
Site: NBU 922-18E PAD
Well: NBU 922-18F1BS
Wellbore: NBU 922-18F1BS
Design: NBU 922-18F1BS

Local Co-ordinate Reference: Well NBU 922-18F1BS
TVD Reference: WELL @ 4920.00ft (H&P 298)
MD Reference: WELL @ 4920.00ft (H&P 298)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Project	UINTAH COUNTY, UTAH (nad 27),		
Map System:	Universal Transverse Mercator (US Survey Fee	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 - Western US		
Map Zone:	Zone 12N (114 W to 108 W)		

Site	NBU 922-18E PAD, SECTION 18 T9S R22E				
Site Position:		Northing:	14,543,514.70ft	Latitude:	40° 2' 17.233 N
From:	Lat/Long	Easting:	2,063,436.85ft	Longitude:	109° 29' 19.385 W
Position Uncertainty:	0.00 ft	Slot Radius:	in	Grid Convergence:	0.97 °

Well	NBU 922-18F1BS					
Well Position	+N/-S	0.00 ft	Northing:	14,543,486.77 ft	Latitude:	40° 2' 16.950 N
	+E/-W	0.00 ft	Easting:	2,063,478.23 ft	Longitude:	109° 29' 18.859 W
Position Uncertainty	0.00 ft		Wellhead Elevation:	ft	Ground Level:	4,894.00 ft

Wellbore	NBU 922-18F1BS				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2008	6/11/2009	11.36	65.98	52,567

Design	NBU 922-18F1BS				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	71.50	

Survey Program	Date	9/8/2009			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
101.00	10,190.00	Survey #1 (NBU 922-18F1BS)	MWD	MWD - Standard	

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
101.00	0.81	27.61	101.00	0.63	0.33	0.51	0.80	0.80	0.00
196.00	1.45	61.34	195.98	1.80	1.70	2.18	0.94	0.67	35.51
288.00	2.81	71.24	287.91	3.09	4.85	5.58	1.53	1.48	10.76
384.00	4.68	74.38	383.70	4.90	10.85	11.85	1.96	1.95	3.27
478.00	6.00	76.49	477.29	7.08	19.32	20.57	1.42	1.40	2.24
574.00	7.50	72.36	572.63	10.15	30.17	31.84	1.64	1.56	-4.30
669.00	9.29	70.33	666.60	14.61	43.30	45.70	1.91	1.88	-2.14
764.00	10.56	72.36	760.18	19.83	58.82	62.07	1.39	1.34	2.14
859.00	12.00	71.61	853.34	25.58	76.49	80.65	1.52	1.52	-0.79
954.00	13.69	71.36	945.96	32.29	96.51	101.77	1.78	1.78	-0.26
1,049.00	14.75	70.11	1,038.05	40.00	118.54	125.11	1.16	1.12	-1.32
1,145.00	16.50	70.11	1,130.50	48.80	142.85	150.95	1.82	1.82	0.00

Company: ANADARKO PETROLEUM CORP.
Project: Uintah County, Utah (nad 27)
Site: NBU 922-18E PAD
Well: NBU 922-18F1BS
Wellbore: NBU 922-18F1BS
Design: NBU 922-18F1BS

Local Co-ordinate Reference: Well NBU 922-18F1BS
TVD Reference: WELL @ 4920.00ft (H&P 298)
MD Reference: WELL @ 4920.00ft (H&P 298)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

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)
1,240.00	18.19	69.11	1,221.18	58.68	169.39	179.26	1.81	1.78	-1.05
1,335.00	18.88	68.11	1,311.25	69.69	197.51	209.42	0.80	0.73	-1.05
1,430.00	19.38	67.74	1,401.00	81.39	226.36	240.49	0.54	0.53	-0.39
1,526.00	19.88	66.99	1,491.42	93.81	256.12	272.66	0.58	0.52	-0.78
1,620.00	19.71	68.07	1,579.87	105.98	285.54	304.41	0.43	-0.18	1.15
1,715.00	19.00	70.86	1,669.50	117.03	315.01	335.87	1.23	-0.75	2.94
1,811.00	19.31	69.11	1,760.19	127.81	344.60	367.35	0.68	0.32	-1.82
1,907.00	19.94	71.36	1,850.61	138.71	374.95	399.58	1.02	0.66	2.34
2,002.00	20.56	69.99	1,939.74	149.59	405.97	432.46	0.82	0.65	-1.44
2,097.00	21.19	70.61	2,028.50	161.00	437.84	466.30	0.70	0.66	0.65
2,192.00	20.75	69.24	2,117.21	172.67	469.77	500.28	0.69	-0.46	-1.44
2,288.00	21.50	68.49	2,206.76	185.14	502.04	534.84	0.83	0.78	-0.78
2,382.00	21.75	71.99	2,294.15	196.85	534.63	569.46	1.40	0.27	3.72
2,478.00	21.31	71.11	2,383.45	207.99	568.05	604.69	0.57	-0.46	-0.92
2,573.00	21.00	69.49	2,472.05	219.54	600.33	638.97	0.70	-0.33	-1.71
2,669.00	20.69	68.61	2,561.76	231.76	632.23	673.10	0.46	-0.32	-0.92
2,790.00	20.25	66.99	2,675.12	247.74	671.41	715.32	0.59	-0.36	-1.34
2,873.00	20.04	65.71	2,753.05	259.20	697.59	743.79	0.59	-0.25	-1.54
2,936.00	20.74	68.07	2,812.10	267.81	717.78	765.66	1.71	1.11	3.75
3,030.00	21.13	68.72	2,899.89	280.18	749.01	799.20	0.48	0.41	0.69
3,125.00	21.75	72.09	2,988.32	291.80	781.71	833.91	1.45	0.65	3.55
3,219.00	22.63	72.09	3,075.36	302.72	815.49	869.40	0.94	0.94	0.00
3,313.00	21.25	70.59	3,162.55	313.94	848.77	904.52	1.58	-1.47	-1.60
3,407.00	21.57	70.58	3,250.06	325.35	881.13	938.83	0.34	0.34	-0.01
3,502.00	19.81	68.34	3,338.94	337.10	912.56	972.37	2.03	-1.85	-2.36
3,597.00	19.75	69.74	3,428.33	348.60	942.58	1,004.49	0.50	-0.06	1.47
3,692.00	20.19	66.47	3,517.62	360.70	972.67	1,036.86	1.26	0.46	-3.44
3,787.00	20.88	66.97	3,606.58	373.87	1,003.29	1,070.07	0.75	0.73	0.53
3,881.00	21.25	69.02	3,694.30	386.52	1,034.61	1,103.79	0.88	0.39	2.18
3,976.00	19.94	64.84	3,783.24	399.58	1,065.35	1,137.08	2.07	-1.38	-4.40
4,070.00	19.69	62.97	3,871.67	413.59	1,093.96	1,168.66	0.72	-0.27	-1.99
4,165.00	21.44	66.84	3,960.62	427.69	1,124.18	1,201.80	2.33	1.84	4.07
4,260.00	21.24	67.63	4,049.10	441.07	1,156.06	1,236.27	0.37	-0.21	0.83
4,355.00	22.44	66.72	4,137.28	454.78	1,188.63	1,271.51	1.31	1.26	-0.96
4,450.00	22.81	71.22	4,224.98	467.88	1,222.72	1,308.00	1.86	0.39	4.74
4,545.00	20.13	68.72	4,313.38	479.74	1,255.40	1,342.75	2.98	-2.82	-2.63
4,640.00	19.69	69.09	4,402.70	491.39	1,285.58	1,375.06	0.48	-0.46	0.39
4,735.00	17.13	67.47	4,492.83	502.46	1,313.46	1,405.02	2.75	-2.69	-1.71
4,830.00	15.69	71.34	4,583.96	511.93	1,338.55	1,431.82	1.90	-1.52	4.07
4,923.00	12.75	69.72	4,674.11	519.52	1,360.10	1,454.66	3.19	-3.16	-1.74
5,018.00	11.13	69.59	4,767.05	526.35	1,378.53	1,474.30	1.71	-1.71	-0.14
5,113.00	9.00	67.25	4,860.58	532.42	1,393.97	1,490.88	2.28	-2.24	-2.46
5,207.00	7.00	62.47	4,953.66	537.91	1,405.83	1,503.87	2.24	-2.13	-5.09
5,301.00	6.25	68.97	5,047.03	542.39	1,415.69	1,514.64	1.13	-0.80	6.91
5,396.00	6.19	72.09	5,141.48	545.83	1,425.39	1,524.92	0.36	-0.06	3.28
5,491.00	5.63	72.72	5,235.97	548.78	1,434.71	1,534.70	0.59	-0.59	0.66
5,585.00	4.81	80.84	5,329.58	550.78	1,443.01	1,543.20	1.17	-0.87	8.64
5,680.00	3.00	88.34	5,424.36	551.49	1,449.43	1,549.51	1.98	-1.91	7.89
5,775.00	1.61	36.15	5,519.29	552.64	1,452.70	1,552.98	2.51	-1.46	-54.94
5,870.00	1.00	34.34	5,614.26	554.40	1,453.95	1,554.73	0.64	-0.64	-1.91
5,965.00	1.06	40.72	5,709.25	555.75	1,454.99	1,556.15	0.14	0.06	6.72
6,058.00	1.13	53.72	5,802.23	556.94	1,456.29	1,557.76	0.28	0.08	13.98
6,153.00	0.69	191.97	5,897.22	556.94	1,456.93	1,558.36	1.80	-0.46	145.53
6,248.00	0.75	186.47	5,992.22	555.76	1,456.74	1,557.81	0.10	0.06	-5.79

Company: ANADARKO PETROLEUM CORP.
Project: UINTAH COUNTY, UTAH (nad 27)
Site: NBU 922-18E PAD
Well: NBU 922-18F1BS
Wellbore: NBU 922-18F1BS
Design: NBU 922-18F1BS

Local Co-ordinate Reference: Well NBU 922-18F1BS
TVD Reference: WELL @ 4920.00ft (H&P 298)
MD Reference: WELL @ 4920.00ft (H&P 298)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

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)
6,343.00	1.19	174.59	6,087.20	554.16	1,456.76	1,557.32	0.51	0.46	-12.51
6,438.00	0.58	12.20	6,182.20	553.65	1,456.96	1,557.34	1.84	-0.64	-170.94
6,533.00	0.13	75.22	6,277.20	554.15	1,457.17	1,557.70	0.56	-0.47	66.34
6,628.00	0.31	81.09	6,372.19	554.21	1,457.52	1,558.06	0.19	0.19	6.18
6,722.00	0.56	114.09	6,466.19	554.07	1,458.19	1,558.65	0.37	0.27	35.11
6,817.00	0.69	125.22	6,561.19	553.55	1,459.09	1,559.33	0.19	0.14	11.72
6,912.00	0.88	149.97	6,656.18	552.59	1,459.92	1,559.81	0.40	0.20	26.05
7,007.00	0.81	151.47	6,751.17	551.36	1,460.60	1,560.08	0.08	-0.07	1.58
7,102.00	1.26	160.49	6,846.15	549.79	1,461.27	1,560.21	0.50	0.47	9.49
7,197.00	1.31	258.22	6,941.14	548.58	1,460.56	1,559.15	2.04	0.05	102.87
7,292.00	0.94	267.34	7,036.12	548.33	1,458.72	1,557.32	0.43	-0.39	9.60
7,386.00	0.69	249.34	7,130.11	548.09	1,457.42	1,556.01	0.38	-0.27	-19.15
7,481.00	0.75	232.97	7,225.10	547.51	1,456.39	1,554.85	0.22	0.06	-17.23
7,576.00	0.56	208.59	7,320.10	546.73	1,455.67	1,553.92	0.35	-0.20	-25.66
7,670.00	0.94	197.72	7,414.09	545.59	1,455.21	1,553.13	0.43	0.40	-11.56
7,765.00	0.44	190.34	7,509.08	544.49	1,454.91	1,552.50	0.53	-0.53	-7.77
7,859.00	0.77	196.39	7,603.07	543.53	1,454.67	1,551.96	0.36	0.35	6.44
7,954.00	0.94	188.59	7,698.06	542.15	1,454.37	1,551.24	0.22	0.18	-8.21
8,049.00	0.81	103.59	7,793.06	541.22	1,454.91	1,551.45	1.25	-0.14	-89.47
8,143.00	1.38	152.97	7,887.04	540.06	1,456.07	1,552.19	1.12	0.61	52.53
8,236.00	0.75	308.44	7,980.03	539.44	1,456.10	1,552.02	2.24	-0.68	167.17
8,331.00	0.56	263.72	8,075.03	539.77	1,455.15	1,551.23	0.56	-0.20	-47.07
8,426.00	0.61	200.20	8,170.02	539.25	1,454.51	1,550.46	0.65	0.05	-66.86
8,521.00	0.44	157.09	8,265.02	538.44	1,454.48	1,550.17	0.44	-0.18	-45.38
8,615.00	0.94	145.92	8,359.01	537.47	1,455.05	1,550.40	0.55	0.53	-11.88
8,710.00	1.25	128.97	8,454.00	536.17	1,456.30	1,551.17	0.47	0.33	-17.84
8,805.00	1.00	156.09	8,548.98	534.76	1,457.44	1,551.80	0.61	-0.26	28.55
8,900.00	0.56	281.34	8,643.97	534.09	1,457.32	1,551.48	1.47	-0.46	131.84
8,995.00	0.48	228.35	8,738.97	533.92	1,456.57	1,550.71	0.49	-0.08	-55.78
PBHL_NBU 922-18F1BS									
10,155.00	1.70	158.10	9,898.77	514.72	1,459.35	1,547.26	0.14	0.11	-6.06
EXT.TD									
10,190.00	1.70	158.10	9,933.75	513.76	1,459.74	1,547.33	0.00	0.00	0.00

Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
10,190.00	9,933.75	513.76	1,459.74	EXT.TD

Checked By: _____ Approved By: _____ Date: _____



ANADARKO PETROLEUM CORP.

UINTAH COUNTY, UTAH (nad 27)

NBU 922-18E PAD

NBU 922-18F1BS

NBU 922-18F1BS

Survey: Survey #1

Survey Report - Geographic

08 September, 2009



Weatherford®

Company: ANADARKO PETROLEUM CORP.
Project: UINTAH COUNTY, UTAH (nad 27)
Site: NBU 922-18E PAD
Well: NBU 922-18F1BS
Wellbore: NBU 922-18F1BS
Design: NBU 922-18F1BS

Local Co-ordinate Reference: Well NBU 922-18F1BS
TVD Reference: WELL @ 4920.00ft (H&P 298)
MD Reference: WELL @ 4920.00ft (H&P 298)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Project	UINTAH COUNTY, UTAH (nad 27),		
Map System:	Universal Transverse Mercator (US Survey Fee	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 - Western US		
Map Zone:	Zone 12N (114 W to 108 W)		

Site	NBU 922-18E PAD, SECTION 18 T9S R22E				
Site Position:		Northing:	14,543,514.70 ft	Latitude:	40° 2' 17.233 N
From:	Lat/Long	Easting:	2,063,436.85 ft	Longitude:	109° 29' 19.385 W
Position Uncertainty:	0.00 ft	Slot Radius:	in	Grid Convergence:	0.97 °

Well	NBU 922-18F1BS					
Well Position	+N/-S	0.00 ft	Northing:	14,543,486.77 ft	Latitude:	40° 2' 16.950 N
	+E/-W	0.00 ft	Easting:	2,063,478.23 ft	Longitude:	109° 29' 18.859 W
Position Uncertainty	0.00 ft		Wellhead Elevation:	ft	Ground Level:	4,894.00 ft

Wellbore	NBU 922-18F1BS				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2008	6/11/2009	11.36	65.98	52,567

Design	NBU 922-18F1BS				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:		Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
		0.00	0.00	0.00	71.50

Survey Program	Date	9/8/2009			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
101.00	10,190.00	Survey #1 (NBU 922-18F1BS)	MWD	MWD - Standard	

Company: ANADARKO PETROLEUM CORP.
Project: UINTAH COUNTY, UTAH (nad 27)
Site: NBU 922-18E PAD
Well: NBU 922-18F1BS
Wellbore: NBU 922-18F1BS
Design: NBU 922-18F1BS

Local Co-ordinate Reference: Well NBU 922-18F1BS
TVD Reference: WELL @ 4920.00ft (H&P 298)
MD Reference: WELL @ 4920.00ft (H&P 298)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Map Northing (ft)	Map Easting (ft)	Latitude	Longitude
0.00	0.00	0.00	0.00	0.00	0.00	14,543,486.77	2,063,478.23	40° 2' 16.950 N	109° 29' 18.859 W
101.00	0.81	27.61	101.00	0.63	0.33	14,543,487.40	2,063,478.55	40° 2' 16.956 N	109° 29' 18.855 W
196.00	1.45	61.34	195.98	1.80	1.70	14,543,488.60	2,063,479.90	40° 2' 16.968 N	109° 29' 18.837 W
288.00	2.81	71.24	287.91	3.09	4.85	14,543,489.94	2,063,483.03	40° 2' 16.981 N	109° 29' 17.879 W
384.00	4.68	74.38	383.70	4.90	10.85	14,543,491.85	2,063,489.00	40° 2' 16.998 N	109° 29' 18.719 W
478.00	6.00	76.49	477.29	7.08	19.32	14,543,494.17	2,063,497.43	40° 2' 17.020 N	109° 29' 18.611 W
574.00	7.50	72.36	572.63	10.15	30.17	14,543,497.43	2,063,508.23	40° 2' 17.050 N	109° 29' 18.471 W
669.00	9.29	70.33	666.60	14.61	43.30	14,543,502.11	2,063,521.28	40° 2' 17.094 N	109° 29' 18.302 W
764.00	10.56	72.36	760.18	19.83	58.82	14,543,507.59	2,063,536.71	40° 2' 17.146 N	109° 29' 18.103 W
859.00	12.00	71.61	853.34	25.58	76.49	14,543,513.64	2,063,554.28	40° 2' 17.203 N	109° 29' 17.875 W
954.00	13.69	71.36	945.96	32.29	96.51	14,543,520.69	2,063,574.19	40° 2' 17.269 N	109° 29' 17.618 W
1,049.00	14.75	70.11	1,038.05	40.00	118.54	14,543,528.77	2,063,596.08	40° 2' 17.345 N	109° 29' 17.335 W
1,145.00	16.50	70.11	1,130.50	48.80	142.85	14,543,537.98	2,063,620.24	40° 2' 17.432 N	109° 29' 17.022 W
1,240.00	18.19	69.11	1,221.18	58.68	169.39	14,543,548.31	2,063,646.61	40° 2' 17.530 N	109° 29' 16.681 W
1,335.00	18.88	68.11	1,311.25	69.69	197.51	14,543,559.80	2,063,674.53	40° 2' 17.639 N	109° 29' 16.319 W
1,430.00	19.38	67.74	1,401.00	81.39	226.36	14,543,571.99	2,063,703.18	40° 2' 17.755 N	109° 29' 15.948 W
1,526.00	19.88	66.99	1,491.42	93.81	256.12	14,543,584.91	2,063,732.73	40° 2' 17.877 N	109° 29' 15.565 W
1,620.00	19.71	68.07	1,579.87	105.98	285.54	14,543,597.57	2,063,761.93	40° 2' 17.997 N	109° 29' 15.187 W
1,715.00	19.00	70.86	1,669.50	117.03	315.01	14,543,609.12	2,063,791.21	40° 2' 18.107 N	109° 29' 14.808 W
1,811.00	19.31	69.11	1,760.19	127.81	344.60	14,543,620.41	2,063,820.62	40° 2' 18.213 N	109° 29' 14.428 W
1,907.00	19.94	71.36	1,850.61	138.71	374.95	14,543,631.81	2,063,850.77	40° 2' 18.321 N	109° 29' 14.038 W
2,002.00	20.56	69.99	1,939.74	149.59	405.97	14,543,643.23	2,063,881.60	40° 2' 18.429 N	109° 29' 13.639 W
2,097.00	21.19	70.61	2,028.50	161.00	437.84	14,543,655.17	2,063,913.28	40° 2' 18.541 N	109° 29' 13.229 W
2,192.00	20.75	69.24	2,117.21	172.67	469.77	14,543,667.38	2,063,945.01	40° 2' 18.657 N	109° 29' 12.818 W
2,288.00	21.50	68.49	2,206.76	185.14	502.04	14,543,680.40	2,063,977.06	40° 2' 18.780 N	109° 29' 12.403 W
2,382.00	21.75	71.99	2,294.15	196.85	534.63	14,543,692.66	2,064,009.45	40° 2' 18.896 N	109° 29' 11.984 W
2,478.00	21.31	71.11	2,383.45	207.99	568.05	14,543,704.37	2,064,042.67	40° 2' 19.006 N	109° 29' 11.554 W
2,573.00	21.00	69.49	2,472.05	219.54	600.33	14,543,716.47	2,064,074.75	40° 2' 19.120 N	109° 29' 11.139 W
2,669.00	20.69	68.61	2,561.76	231.76	632.23	14,543,729.22	2,064,106.44	40° 2' 19.241 N	109° 29' 10.729 W
2,790.00	20.25	66.99	2,675.12	247.74	671.41	14,543,745.86	2,064,145.34	40° 2' 19.399 N	109° 29' 10.225 W
2,873.00	20.04	65.71	2,753.05	259.20	697.59	14,543,757.77	2,064,171.32	40° 2' 19.512 N	109° 29' 9.889 W
2,936.00	20.74	68.07	2,812.10	267.81	717.78	14,543,766.72	2,064,191.36	40° 2' 19.597 N	109° 29' 9.629 W
3,030.00	21.13	68.72	2,899.89	280.18	749.01	14,543,779.61	2,064,222.37	40° 2' 19.719 N	109° 29' 9.227 W
3,125.00	21.75	72.09	2,988.32	291.80	781.71	14,543,791.79	2,064,254.88	40° 2' 19.834 N	109° 29' 8.807 W
3,219.00	22.63	72.09	3,075.36	302.72	815.49	14,543,803.28	2,064,288.47	40° 2' 19.942 N	109° 29' 8.373 W
3,313.00	21.25	70.59	3,162.55	313.94	848.77	14,543,815.07	2,064,321.55	40° 2' 20.053 N	109° 29' 7.945 W
3,407.00	21.57	70.58	3,250.06	325.35	881.13	14,543,827.02	2,064,353.71	40° 2' 20.166 N	109° 29' 7.528 W
3,502.00	19.81	68.34	3,338.94	337.10	912.56	14,543,839.30	2,064,384.94	40° 2' 20.282 N	109° 29' 7.124 W
3,597.00	19.75	69.74	3,428.33	348.60	942.58	14,543,851.31	2,064,414.76	40° 2' 20.396 N	109° 29' 6.738 W
3,692.00	20.19	66.47	3,517.62	360.70	972.67	14,543,863.92	2,064,444.64	40° 2' 20.515 N	109° 29' 6.351 W
3,787.00	20.88	66.97	3,606.58	373.87	1,003.29	14,543,877.61	2,064,475.03	40° 2' 20.645 N	109° 29' 5.958 W
3,881.00	21.25	69.02	3,694.30	386.52	1,034.61	14,543,890.79	2,064,506.13	40° 2' 20.770 N	109° 29' 5.555 W
3,976.00	19.94	64.84	3,783.24	399.58	1,065.35	14,543,904.36	2,064,536.64	40° 2' 20.899 N	109° 29' 5.160 W
4,070.00	19.69	62.97	3,871.67	413.59	1,093.96	14,543,918.86	2,064,565.02	40° 2' 21.038 N	109° 29' 4.792 W
4,165.00	21.44	66.84	3,960.62	427.69	1,124.18	14,543,933.47	2,064,594.99	40° 2' 21.177 N	109° 29' 4.403 W
4,260.00	21.24	67.63	4,049.10	441.07	1,156.06	14,543,947.39	2,064,626.64	40° 2' 21.309 N	109° 29' 3.993 W
4,355.00	22.44	66.72	4,137.28	454.78	1,188.63	14,543,961.66	2,064,658.97	40° 2' 21.445 N	109° 29' 3.574 W
4,450.00	22.81	71.22	4,224.98	467.88	1,222.72	14,543,975.33	2,064,692.84	40° 2' 21.574 N	109° 29' 3.136 W
4,545.00	20.13	68.72	4,313.38	479.74	1,255.40	14,543,987.75	2,064,725.30	40° 2' 21.692 N	109° 29' 2.716 W
4,640.00	19.69	69.09	4,402.70	491.39	1,285.58	14,543,999.90	2,064,755.28	40° 2' 21.807 N	109° 29' 2.327 W
4,735.00	17.13	67.47	4,492.83	502.46	1,313.46	14,544,011.45	2,064,782.97	40° 2' 21.916 N	109° 29' 1.969 W
4,830.00	15.69	71.34	4,583.96	511.93	1,338.55	14,544,021.34	2,064,807.90	40° 2' 22.010 N	109° 29' 1.646 W
4,923.00	12.75	69.72	4,674.11	519.52	1,360.10	14,544,029.29	2,064,829.31	40° 2' 22.085 N	109° 29' 1.369 W
5,018.00	11.13	69.59	4,767.05	526.35	1,378.53	14,544,036.43	2,064,847.62	40° 2' 22.152 N	109° 29' 1.132 W
5,113.00	9.00	67.25	4,860.58	532.42	1,393.97	14,544,042.77	2,064,862.97	40° 2' 22.212 N	109° 29' 0.934 W

Company: ANADARKO PETROLEUM CORP.
Project: UINTAH COUNTY, UTAH (nad 27)
Site: NBU 922-18E PAD
Well: NBU 922-18F1BS
Wellbore: NBU 922-18F1BS
Design: NBU 922-18F1BS

Local Co-ordinate Reference: Well NBU 922-18F1BS
TVD Reference: WELL @ 4920.00ft (H&P 298)
MD Reference: WELL @ 4920.00ft (H&P 298)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (ft)	Map Easting (ft)	Latitude	Longitude
5,207.00	7.00	62.47	4,953.66	537.91	1,405.83	14,544,048.46	2,064,874.73	40° 2' 22.267 N	109° 29' 0.781 W
5,301.00	6.25	68.97	5,047.03	542.39	1,415.69	14,544,053.11	2,064,884.51	40° 2' 22.311 N	109° 29' 0.654 W
5,396.00	6.19	72.09	5,141.48	545.83	1,425.39	14,544,056.70	2,064,894.15	40° 2' 22.345 N	109° 29' 0.530 W
5,491.00	5.63	72.72	5,235.97	548.78	1,434.71	14,544,059.82	2,064,903.42	40° 2' 22.374 N	109° 29' 0.410 W
5,585.00	4.81	80.84	5,329.58	550.78	1,443.01	14,544,061.96	2,064,911.68	40° 2' 22.394 N	109° 29' 0.303 W
5,680.00	3.00	88.34	5,424.36	551.49	1,449.43	14,544,062.77	2,064,918.09	40° 2' 22.401 N	109° 29' 0.221 W
5,775.00	1.61	36.15	5,519.29	552.64	1,452.70	14,544,063.98	2,064,921.34	40° 2' 22.412 N	109° 29' 0.178 W
5,870.00	1.00	34.34	5,614.26	554.40	1,453.95	14,544,065.76	2,064,922.56	40° 2' 22.429 N	109° 29' 0.162 W
5,965.00	1.06	40.72	5,709.25	555.75	1,454.99	14,544,067.13	2,064,923.58	40° 2' 22.443 N	109° 29' 0.149 W
6,058.00	1.13	53.72	5,802.23	556.94	1,456.29	14,544,068.35	2,064,924.86	40° 2' 22.455 N	109° 29' 0.132 W
6,153.00	0.69	191.97	5,897.22	556.94	1,456.93	14,544,068.35	2,064,925.50	40° 2' 22.455 N	109° 29' 0.124 W
6,248.00	0.75	186.47	5,992.22	555.76	1,456.74	14,544,067.17	2,064,925.33	40° 2' 22.443 N	109° 29' 0.126 W
6,343.00	1.19	174.59	6,087.20	554.16	1,456.76	14,544,065.57	2,064,925.38	40° 2' 22.427 N	109° 29' 0.126 W
6,438.00	0.58	12.20	6,182.20	553.65	1,456.96	14,544,065.06	2,064,925.58	40° 2' 22.422 N	109° 29' 0.124 W
6,533.00	0.13	75.22	6,277.20	554.15	1,457.17	14,544,065.56	2,064,925.78	40° 2' 22.427 N	109° 29' 0.121 W
6,628.00	0.31	81.09	6,372.19	554.21	1,457.52	14,544,065.64	2,064,926.14	40° 2' 22.428 N	109° 29' 0.116 W
6,722.00	0.56	114.09	6,466.19	554.07	1,458.19	14,544,065.50	2,064,926.81	40° 2' 22.426 N	109° 29' 0.108 W
6,817.00	0.69	125.22	6,561.19	553.55	1,459.09	14,544,065.00	2,064,927.71	40° 2' 22.421 N	109° 29' 0.096 W
6,912.00	0.88	149.97	6,656.18	552.59	1,459.92	14,544,064.05	2,064,928.56	40° 2' 22.412 N	109° 29' 0.086 W
7,007.00	0.81	151.47	6,751.17	551.36	1,460.60	14,544,062.84	2,064,929.27	40° 2' 22.399 N	109° 29' 0.077 W
7,102.00	1.26	160.49	6,846.15	549.79	1,461.27	14,544,061.28	2,064,929.96	40° 2' 22.384 N	109° 29' 0.068 W
7,197.00	1.31	258.22	6,941.14	548.58	1,460.56	14,544,060.06	2,064,929.27	40° 2' 22.372 N	109° 29' 0.077 W
7,292.00	0.94	267.34	7,036.12	548.33	1,458.72	14,544,059.77	2,064,927.43	40° 2' 22.369 N	109° 29' 0.101 W
7,386.00	0.69	249.34	7,130.11	548.09	1,457.42	14,544,059.51	2,064,926.14	40° 2' 22.367 N	109° 29' 0.118 W
7,481.00	0.75	232.97	7,225.10	547.51	1,456.39	14,544,058.92	2,064,925.11	40° 2' 22.361 N	109° 29' 0.131 W
7,576.00	0.56	208.59	7,320.10	546.73	1,455.67	14,544,058.12	2,064,924.41	40° 2' 22.354 N	109° 29' 0.140 W
7,670.00	0.94	197.72	7,414.09	545.59	1,455.21	14,544,056.98	2,064,923.97	40° 2' 22.342 N	109° 29' 0.146 W
7,765.00	0.44	190.34	7,509.08	544.49	1,454.91	14,544,055.87	2,064,923.69	40° 2' 22.332 N	109° 29' 0.150 W
7,859.00	0.77	196.39	7,603.07	543.53	1,454.67	14,544,054.91	2,064,923.46	40° 2' 22.322 N	109° 29' 0.153 W
7,954.00	0.94	188.59	7,698.06	542.15	1,454.37	14,544,053.52	2,064,923.19	40° 2' 22.308 N	109° 29' 0.157 W
8,049.00	0.81	103.59	7,793.06	541.22	1,454.91	14,544,052.60	2,064,923.74	40° 2' 22.299 N	109° 29' 0.150 W
8,143.00	1.38	152.97	7,887.04	540.06	1,456.07	14,544,051.46	2,064,924.92	40° 2' 22.288 N	109° 29' 0.135 W
8,236.00	0.75	308.44	7,980.03	539.44	1,456.10	14,544,050.84	2,064,924.96	40° 2' 22.282 N	109° 29' 0.135 W
8,331.00	0.56	263.72	8,075.03	539.77	1,455.15	14,544,051.16	2,064,924.01	40° 2' 22.285 N	109° 29' 0.147 W
8,426.00	0.61	200.20	8,170.02	539.25	1,454.51	14,544,050.62	2,064,923.38	40° 2' 22.280 N	109° 29' 0.155 W
8,521.00	0.44	157.09	8,265.02	538.44	1,454.48	14,544,049.81	2,064,923.36	40° 2' 22.272 N	109° 29' 0.156 W
8,615.00	0.94	145.92	8,359.01	537.47	1,455.05	14,544,048.85	2,064,923.95	40° 2' 22.262 N	109° 29' 0.148 W
8,710.00	1.25	128.97	8,454.00	536.17	1,456.30	14,544,047.57	2,064,925.22	40° 2' 22.249 N	109° 29' 0.132 W
8,805.00	1.00	156.09	8,548.98	534.76	1,457.44	14,544,046.18	2,064,926.38	40° 2' 22.235 N	109° 29' 0.117 W
8,900.00	0.56	281.34	8,643.97	534.09	1,457.32	14,544,045.51	2,064,926.27	40° 2' 22.229 N	109° 29' 0.119 W
8,995.00	0.48	228.35	8,738.97	533.92	1,456.57	14,544,045.33	2,064,925.53	40° 2' 22.227 N	109° 29' 0.129 W
PBHL_NBU 922-18F1BS									
10,155.00	1.70	158.10	9,898.77	514.72	1,459.35	14,544,026.18	2,064,928.64	40° 2' 22.037 N	109° 29' 0.093 W
EXT.TD									
10,190.00	1.70	158.10	9,933.75	513.76	1,459.74	14,544,025.23	2,064,929.04	40° 2' 22.028 N	109° 29' 0.088 W

Company: ANADARKO PETROLEUM CORP.
Project: UINTAH COUNTY, UTAH (nad 27)
Site: NBU 922-18E PAD
Well: NBU 922-18F1BS
Wellbore: NBU 922-18F1BS
Design: NBU 922-18F1BS

Local Co-ordinate Reference: Well NBU 922-18F1BS
TVD Reference: WELL @ 4920.00ft (H&P 298)
MD Reference: WELL @ 4920.00ft (H&P 298)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
10,190.00	9,933.75	513.76	1,459.74	EXT.TD

Checked By: _____ Approved By: _____ Date: _____

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0359
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: UTE 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 922-18F1BS
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047398460000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6515 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1909 FNL 0412 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 18 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: 6/28/2011 <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 checked="" type="checkbox"/> OTHER	<input checked="" 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 type="text" value="Wellhead Repair"/>

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

The operator requests approval to conduct wellhead/casing repair operations on the subject well location. Please find the attached procedure for the proposed repair work on the subject well location.

Accepted by the Utah Division of Oil, Gas and Mining

Date: 07/11/2011

By: *Derek Quist*

NAME (PLEASE PRINT) Gina Becker	PHONE NUMBER 720 929-6086	TITLE Regulatory Analyst II
SIGNATURE N/A	DATE 6/28/2011	

WORKORDER #:

Name: NBU 922-18F1BS - [922-18E PAD] 6/16/2011
 Surface Location: SWNW Sec. 18, T9S, R22E
 Uintah County, UT

API: 4304739846 LEASE#: UTU-461

ELEVATIONS: 4894' GL 4920' KB

TOTAL DEPTH: 10,190' PBD: 10,134'

SURFACE CASING: 9 5/8", 36# J-55 @ 2834'

PRODUCTION CASING: 4 1/2", 11.6#, I-80 @ 10,180'
 TOC @ 100' per CBL

PERFORATIONS: Mesaverde 8160' - 10,126'

Tubular/Borehole	Drift inches	Collapse psi	Burst psi	Capacities		
				Gal./ft.	Cuft/ft.	Bbl./ft.
2.375" 4.7# J-55 tbg.	1.901	8100	7700	0.1624	0.02171	0.00387
4.5" 11.6# I-80	3.875	6350	7780	0.6528	0.0872	0.0155
9.625" 36# J-55	8.921	2020	3520	3.247	0.434	0.0773
Annular Capacities						
2.375" tbg. X 4 1/2" 11.6# csg				0.4227	0.0565	0.01

GEOLOGICAL TOPS:

1834' Green River
 2473' Mahogany
 5344' Wasatch
 8047' Mesaverde

NBU 922-18F1BS- WELLHEAD REPAIR PROCEDURE

PREP-WORK PRIOR TO MIRU:

1. Dig out down to the 2" surface casing valve or to the valve on the riser off the surface casing.
2. Install a tee with 2 valves, with a pressure gauge and sensor on one valve.
3. Open casing valve and record pressures.
4. Install nipple and steel hose on the other valve, the relief valve,. Do not use hammer unions. No impact equipment or tools to be used for any of this installation. Extend hose and hard piping to a downwind location at least 100' from the wellhead. Consider installing a manifold so that vent area could be in two locations approx. 90 degrees apart from the wellhead.
5. Open the relief valve and blow well down to the atmosphere.
6. Make a determination of amount of gas flow, either by installation of a choke nipple, bucket test or other.
7. Shut well in. Observe for rate of build-up by utilizing sensor data. Do not build-up for more than 24 hours. Vent gas through the vent line and leave open to the atmosphere.

WORKOVER PROCEDURE:

1. MIRU workover rig.
2. Kill well with 10# brine / KCL (dictated by well pressure).
3. Remove tree, install double BOP with blind and 2 3/8" pipe rams, with accumulator closing unit and manual back-ups. Function test BOP system.
4. POOH w/ tubing laying down extra tubing.
5. Rig up wireline service. RIH and set CBP @ ~8110'. Dump bail 4 sx cement on top of plug. POOH and RD wireline service. TIH w/ tubing and seating nipple. Land tubing ±60' above cement. RDMO.
6. Monitor well pressures. If surface casing is dead. MIRU. ND WH and NU BOP. POOH w/ tubing.
7. Depending on conditions at wellsite, continue with either CUT/PATCH Procedure or BACK-OFF Procedure.

CUT/PATCH PROCEDURE:

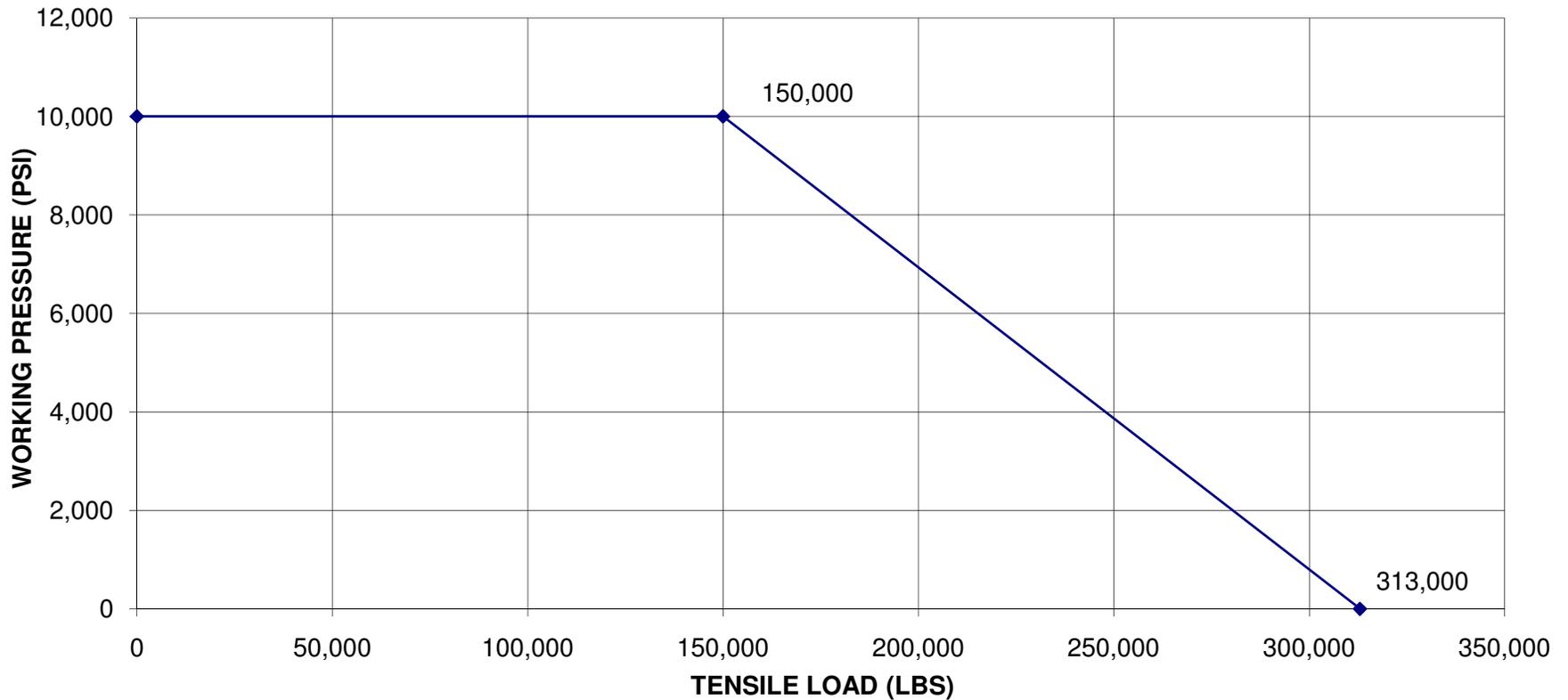
1. PU internal casing cutters and RIH. Cut casing at +/- 30' from surface.
2. POOH, LD cutters and casing.
3. PU 7 3/8" overshoot with 4 1/2" right hand standard wicker grapple, 1 - 4 3/4" drill collar with 3 1/2" IF threads, pup joint, manual bumper sub, and crossovers. If casing cut is deeper than ±30' utilize >7000 ft-lb torque pipe as needed. Pull a minimum of 10,000# to keep grapple engaged if cement top is high (<~900'). If cement top is low (>~900'), more weight will be required to put casing in neutral. Torque casing string to ±7000 ft-lbs, count number of turns to make-up, and document in the daily report. Ensure that tongs are safely anchored to rig and that all personnel are at a safe working distance from the tongs during torque-up and torque release. After initial make-up, place pipe torque to neutral and mark pipe. Place ±7000 ft-lbs on casing a second time, count turns, then return pipe torque to neutral and count turns. Repeat if torque-up turns do not equal torque release turns. Once torque-in equals torque-out, release overshoot, POOH, and lay down.
4. TIH w/ skirted mill and dress off the fish top for approximately 1/2 hour. TOO H.
5. PU & RIH w/ 4 1/2" 10k external casing patch on 4 1/2" P-110 casing. Ensure that sliding sleeve assembly shifts ±3' and casing tags no-go portion of patch. NOTE: Shear pins will shear at 3500 to 4500 lbs.
6. Latch fish, PU to 100,000# tension. RU B&C. Cycle pressure test to 3500 psi.
7. Install slips. Land casing w/ 80,000# tension.
8. Cut-off and dress 4 1/2" casing stub.
9. NUWH. PU 3 7/8" bit, POBS and RIH. D/O cement and plug ~8060'. Clean out to PBSD (10,134').
10. POOH, land tbg and pump off POBS.
11. NUWH, RDMO. Turn well over to production ops.

BACK-OFF PROCEDURE:

1. PU internal casing cutters and RIH. Cut casing at +/- 6' from surface.
2. POOH, LD cutters and casing.
3. PU 4 1/2" overshoot. RIH, latch fish. Pick string weight to neutral.
4. MIRU casing crew and wireline services. RIH and shoot string shot at casing collar @ ± 46'.
5. Back-off casing, POOH.

6. PU new casing joint with buttress threads and entry guide and RIH. Tag casing top. Thread into casing and torque up to ± 7000 ft-lbs, count number of additional turns to make-up, and document in the daily report. Ensure that tongs are safely anchored to rig and that all personnel are at a safe working distance from the tongs during torque-up and torque release. After initial make-up, place pipe torque to neutral and mark pipe. Place ± 7000 ft-lbs on casing a second time, count turns, then return pipe torque to neutral and count turns. Repeat if torque-up turns do not equal torque release turns. Once torque-in equals torque-out go to step 7.
7. PU 100,000# tension string weight. RU B&C. Cycle pressure test to 3500 psi.
8. Install slips. Land casing w/ 80,000# tension.
9. Cut-off and dress 4 1/2" casing stub.
10. NUWH. PU 3 7/8" bit, POBS and RIH. D/O cement and plug ~8060'. Clean out to PBTD (10,134').
11. POOH, land tbg and pump off POBS.
12. NUWH, RDMO. Turn well over to production ops.

**STRENGTH DATA FOR LOGAN 5.88" OD "L" TYPE CSG PATCH
4-1/2 CASING, 10K PSI MAX WP 125K YIELD MAT'L
LOGAN ASSEMBLY NO. 510L-005 -000**



COLLAPSE PRESSURE:
11,222 PSI @ 0 TENSILE
8,634 PSI @ 220K TENSILE

Tensile Strength @ Yield:
Tensile Strength w/ 0 Int. Press.= 472,791lbs.
Tensile Strength w/ 10K Int. Press.= 313,748lbs.

DATA BY SLS 11/16/2009

RECEIVED Jun. 28, 2011

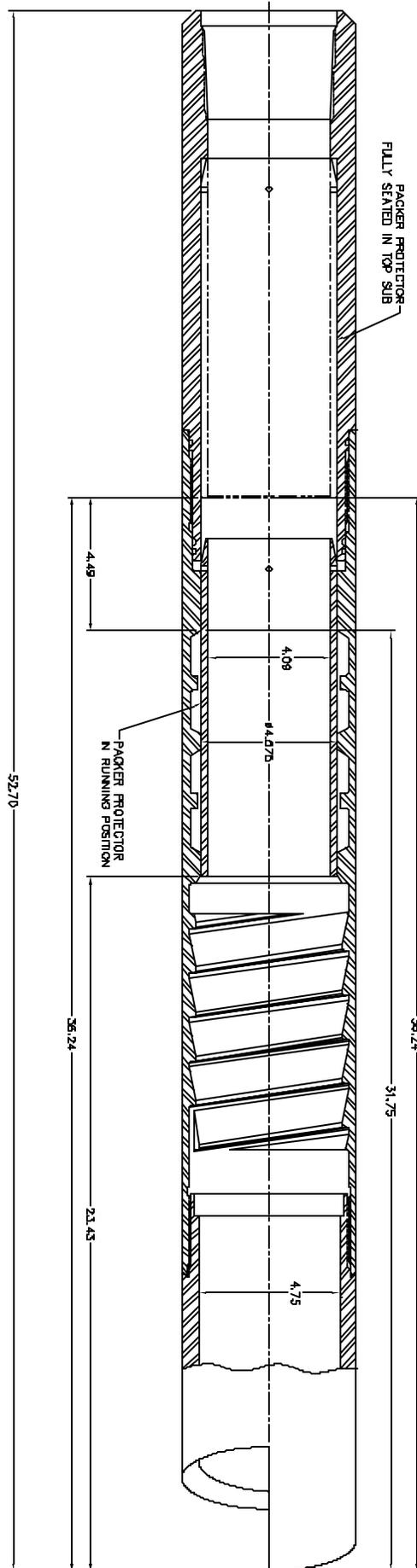


Logan High Pressure Casing Patches Assembly Procedure

All parts should be thoroughly greased before being assembled.

1. Install all four Logan Type "L" Packers in the spaces provided in the Casing Patch Bowl. Refer to diagram provided for proper installation.
2. Install Packer Protector from the Basket Grapple end of the Bowl. The beveled end of the Packer Protector goes in first. Carefully push the Packer Protector through the four Type "L" Packers.
3. Align Shear Pin Holes in Packer Protector so that the holes have just passed into the counter bore at the Top Sub end, refer to diagram. The Packer Protector is provided with four Shear Pin Holes. Use only two holes, 180 degrees apart and install the pins.
4. Screw the Basket Grapple in from the lower end of the Bowl, using left-hand rotation. The Tang Slot in the Basket Grapple must land in line with the slot in the Bowl.
5. Insert the Basket Grapple Control into the end of the Bowl. Align Tang on the Basket Grapple Control with the Tang Slot of the Bowl and Basket Grapple. This secures the Bowl and the Basket Grapple together.
6. Install the Cutlipped Guide into the lower end of the Bowl.
7. Install O-Rings on the two five-foot long Extensions. Screw the first Extension into the top end of the Bowl. Screw the second Extension into the top end of the first Extension.
8. Install O-Ring on Top Sub. Screw Top Sub into top end of second Extension.

Follow recommended Make-Up Torque as provided in chart.



510L-005-001 4-1/2" LOGAN HP CASING PATCH

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0359	
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: UTE	7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 922-18F1BS
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047398460000
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: 1909 FNL 0412 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 18 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 type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input checked="" type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 10/22/2011	<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 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.

The operator has concluded the wellhead/casing repairs on the subject well location. Please see the attached chronological history for details of the operations.

**Accepted by the
 Utah Division of
 Oil, Gas and Mining
 FOR RECORD ONLY
 July 18, 2012**

NAME (PLEASE PRINT) Jaime Scharnowske	PHONE NUMBER 720 929-6304	TITLE Regularatory Analyst
SIGNATURE N/A	DATE 7/17/2012	

US ROCKIES REGION
Operation Summary Report

Well: NBU 922-18F1BS GREEN		Spud Conductor: 5/29/2009		Spud Date: 6/21/2009				
Project: UTAH-UINTAH			Site: NBU 922-18E PAD			Rig Name No: SWABBCO 6/6		
Event: WELL WORK EXPENSE			Start Date: 10/20/2011			End Date: 10/22/2011		
Active Datum: RKB @4,920.00usft (above Mean Sea Level)				UWI: SW/NW/0/9/S/22/E/18/0/0/6/PM/N/1,909.00/W/0/412.00/0/0				
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
10/18/2011	7:00 - 10:00	3.00	PROD	35				Tb 272 Cs 649 FL 8483 Could not get Plunger up w/Well. Ran w/Up Shear Fish Tool to SN at 9714, latched, pulled Viper Plunger. Ran back w/Up Shear, latched, pulled Steel Spring w/single X-cups, cups good. Plunger and Spring in Sep Bldg, left for Rig Job. Returned well to production. Rigged down.
10/20/2011	7:00 - 7:15	0.25	WO/REP	48		P		JSA= WELL CONTROL
	7:15 - 17:00	9.75	WO/REP	30		P		FWP= TUB 150, CAS 550, CONTROL TUBING W/ 20 BBLS TMAC ND WELLHEAD NU BOPC RU FLOOR & TUBING EQUIP CONTROL CAS W/ 20 BBLS TMAC UNLAND TUBING LD HNGR POOH W/ 305 JNTS LD BHA RU W/L RIH W/ GUAGE RNG TO 8200' PU 10K CIBP RIH SET @ 8110' DUMP BAIL 2 SKS CEM ON PLG FILL HOLE W/ TMAC PRESS TEST TO 500# SIW PREP TO REPAIR W/H IN AM SDFN
10/21/2011	7:00 - 7:15	0.25	WO/REP	48		P		JSA= CUTTING CSG
	7:15 - 17:00	9.75	WO/REP	30		P		SIWP= 0 PSI, ND BOPS PU INT CUTTER CUT CSG BELOW HNGR PU OVERSHOT RIH OVER CSG RU W/L & TONGS APPLY LH TORQUE SET OFF STRING SHOT B/O PUP, PU NEW 10' PUP RIH THREAD ONTO CSG STRING TORQUE TO 7000# TEST TO 3500# SET SLIPS NU WELLHEAD & BOPS RU FLOOR & TUBING EQUIP PU 3-7/8" BIT RIH TAG TOC @ 8100' PREP TO D/O W/ FOAMER IN AM SIW SDFN
10/22/2011	7:00 - 7:15	0.25	WO/REP	48		P		JSA= N2 FOAMING SAFETY
	7:15 - 17:00	9.75	WO/REP	30		P		SIWP= 0 PSI NU N2 FOAMER EST CIRC C/O & DRILL THRU CEM & CIBP @ 8110' CIRC CLEAN CONTINUE TO RIH TAG @ 10134' CIRC CLEAN POOH LD 14 JNTS LAND TUBING ON HNGR W/ 305 JNTS RD PWR SWVL DROP BALL PUMP OFF BIT W/ 0 PSI PR RIH W/ BROACH TO XN NPL @ 9714' RD FLOOR & TUBING EQUIP ND BOPS NU WELLHEAD SIW RD RIG MOVE TO 18C4CS SDFW