FORM 3

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

AMENDED REPORT ☐

APPLICATION FOR PERMIT TO DRILL		1. WELL NAME and NUMBER: Bonanza 1023-18L3S
2. TYPE OF WORK: DRILL NEW WELL ◉ REENTER P&A WELL ○ DEEPEN WELL ○		3. FIELD OR WILDCAT: NATURAL BUTTES
4. TYPE OF WELL: Gas Well Coalbed Methane Well: NO		5. UNIT or COMMUNITIZATION AGREEMENT NAME
6. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. OPERATOR PHONE: 720 929-6587
8. ADDRESS OF OPERATOR: P.O. Box 173779, Denver, CO, 80217		9. OPERATOR E-MAIL: mary.mondragon@anadarko.com
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE): UTU 38421	11. MINERAL OWNERSHIP: FEDERAL ◉ INDIAN ○ STATE ○ FEE ○	12. SURFACE OWNERSHIP: FEDERAL ◉ INDIAN ○ STATE ○ FEE ○
13. NAME OF SURFACE OWNER (if box 12 = 'fee')		14. SURFACE OWNER PHONE (if box 12 = 'fee')
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')		16. SURFACE OWNER E-MAIL (if box 12 = 'fee')
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')	18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS: YES ◉ (Submit Commingling Application) NO ○	19. SLANT: VERTICAL ○ DIRECTIONAL ◉ HORIZONTAL ○

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	2546 FNL 915 FWL	SWNW	18	10.0 S	23.0 E	S
Top of Uppermost Producing Zone	1700 FSL 545 FWL	NWSW	18	10.0 S	23.0 E	S
At Total Depth	1700 FSL 545 FWL	NWSW	18	10.0 S	23.0 E	S

21. COUNTY: UINTAH	22. DISTANCE TO NEAREST LEASE LINE (Feet): 545	23. NUMBER OF ACRES IN DRILLING UNIT: 320
	25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed): 535	26. PROPOSED DEPTH: MD: 8431 TVD: 8230
27. ELEVATION - GROUND LEVEL: 5316	28. BOND NUMBER: WYB000291	29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE: Permit #43-8496

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

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

NAME: Danielle Piernot	TITLE: Regulatory Analyst	PHONE: 720 929-6156
SIGNATURE	DATE: 06/29/2009	EMAIL: danielle.piernot@anadarko.com

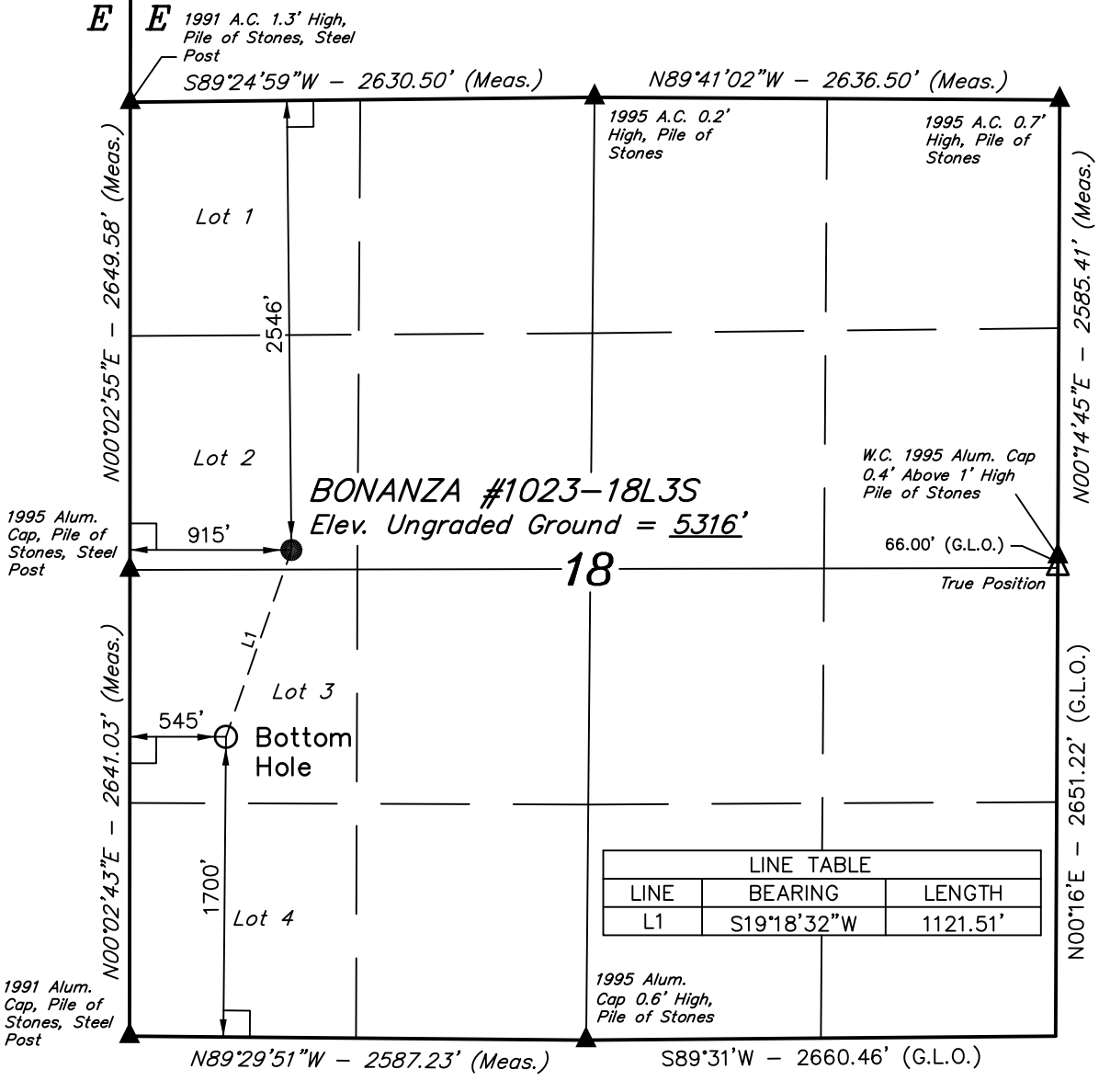
API NUMBER ASSIGNED	APPROVAL
43047505210000	Permit Manager

Proposed Hole, Casing, and Cement						
String	**Hole Size**	**Casing Size**	**Top (MD)**	**Bottom (MD)**		
Prod	7.875	4.5	0	8431		
Pipe	**Grade**	**Length**	**Weight**			
	Grade I-80 LT&C	8431	11.6			

Proposed Hole, Casing, and Cement						
String	**Hole Size**	**Casing Size**	**Top (MD)**	**Bottom (MD)**		
Surf	12.25	9.625	0	1950		
Pipe	**Grade**	**Length**	**Weight**			
	Grade J-55 LT&C	1950	36.0			

T10S, R23E, S.L.B.&M.

R 22 E | R 23 E



LINE TABLE		
LINE	BEARING	LENGTH
L1	S19°18'32"W	1121.51'

Kerr–McGee Oil & Gas Onshore LP

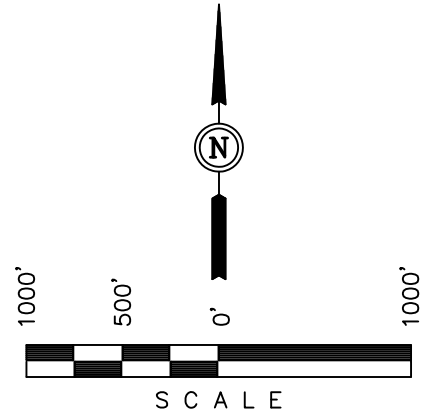
Well location, BONANZA #1023–18L3S, located as shown in LOT 2 of Section 18, T10S, R23E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

BENCH MARK 58 EAM (1965) LOCATED IN THE NE 1/4 OF SECTION 30, T9S, R23E, S.L.B.&M. TAKEN FROM THE RED WASH SE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5132 FEET.

BASIS OF BEARINGS

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



CERTIFICATE

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

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

REVISED: 05–22–09

LEGEND:

- ∟ = 90° SYMBOL
- ● = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.
- △ = SECTION CORNERS RE–ESTABLISHED. (Not Set On Ground)

NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 39°56'46.71" (39.946308)	LATITUDE = 39°56'57.16" (39.949211)
LONGITUDE = 109°22'37.01" (109.376947)	LONGITUDE = 109°22'32.25" (109.375625)
NAD 27 (TARGET BOTTOM HOLE)	**NAD 27 (SURFACE LOCATION)**
LATITUDE = 39°56'46.83" (39.946342)	LATITUDE = 39°56'57.28" (39.949244)
LONGITUDE = 109°22'34.56" (109.376267)	LONGITUDE = 109°22'29.80" (109.374944)

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

SCALE: 1" = 1000'	DATE SURVEYED: 05–15–09	DATE DRAWN: 05–18–09
PARTY: D.K. J.R. D.P.	REFERENCES: G.L.O. PLAT	
WEATHER: WARM	FILE: Kerr–McGee Oil & Gas Onshore LP	

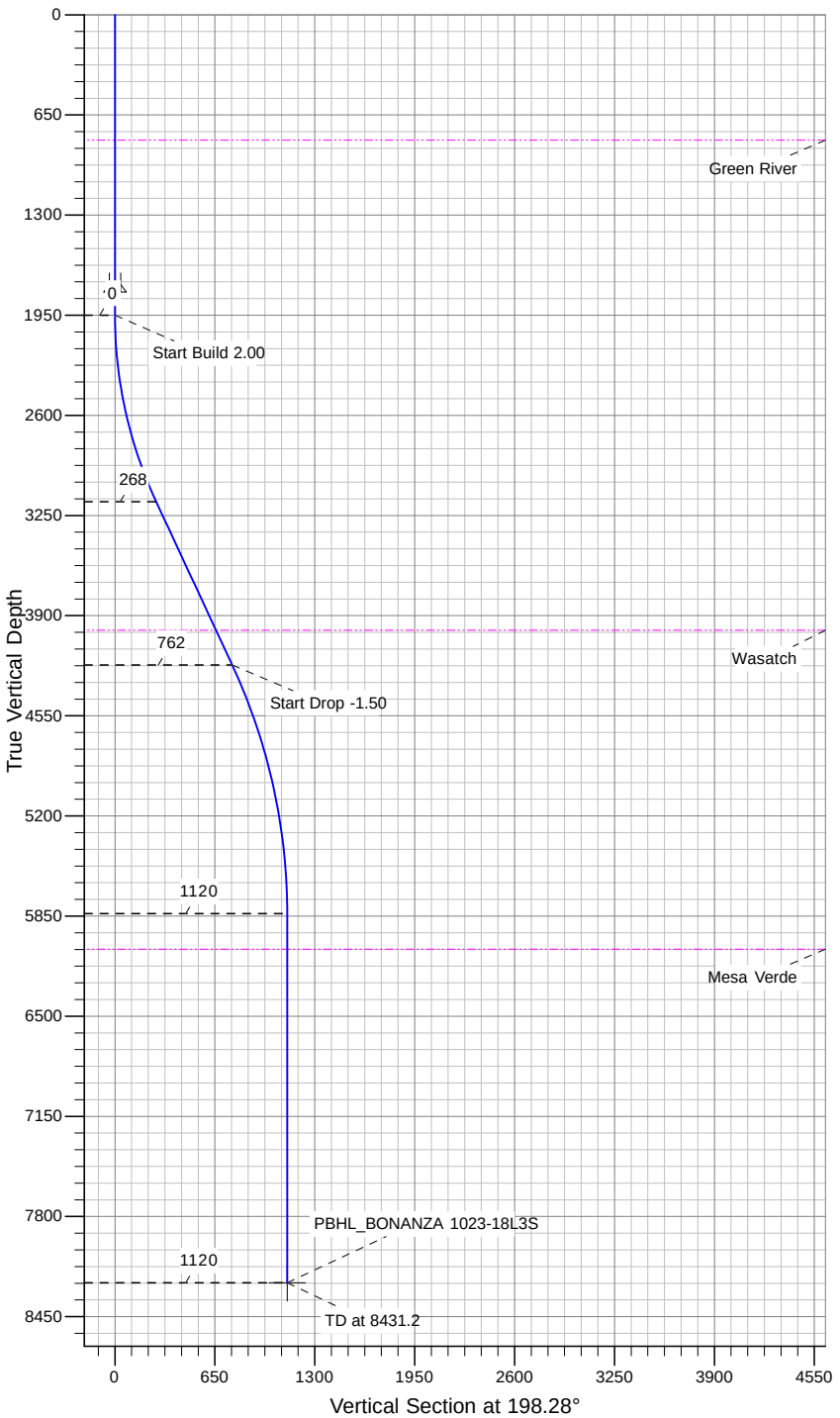
'API Well No: 43047505210000'

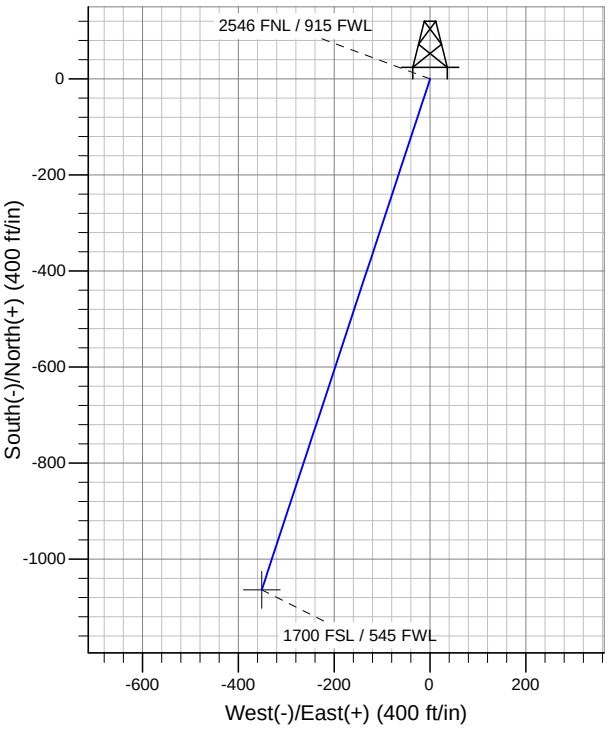
'APIWellNo:43047505210000'

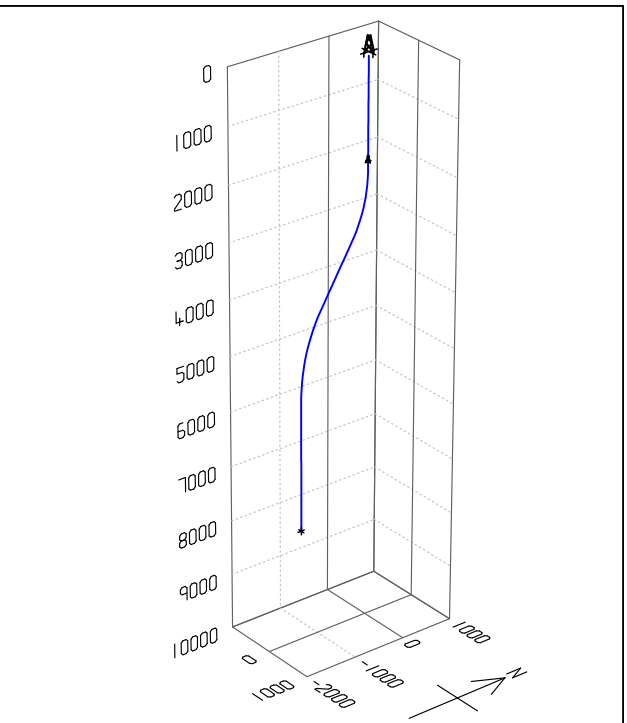
Anadarko Petroleum Corporation

Well Name: P_BONANZA 1023-18L3S
Surface Location: UINTAH_BONANZA 1023-18E2 PAD
NAD 1927 (NADCON CONUS) Universal Transverse Mercator (US Survey Feet)
UTAH - UTM (feet), NAD27, Zone 12N
Ground Elevation: 5316.0

Northing	Easting	Latitude	Longitude
4423178.24	638823.85	39° 56' 57.28000 N	109° 22' 29.80000 W

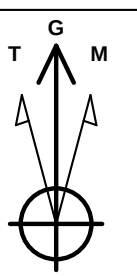






SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0
1950.0	0.00	0.00	1950.0	0.0	0.0	0.00	0.00	0.0
3200.0	25.00	198.28	3160.7	-254.9	-84.2	2.00	198.28	268.4
4369.0	25.00	198.28	4220.2	-724.0	-239.1	0.00	0.00	762.5
6035.7	0.00	0.00	5834.5	-1063.8	-351.4	1.50	180.00	1120.3
8431.2	0.00	0.00	8230.0	-1063.8	-351.4	0.00	0.00	1120.3



Azimuths to Grid North
True North: -1.04°
Magnetic North: 10.21°

Magnetic Field
Strength: 52545.0snT
Dip Angle: 65.91°
Date: 6/10/2009
Model: IGRF200510

US ROCKIES REGION PLANNING

UTAH - UTM (feet), NAD27, Zone 12N
UINTAH_BONANZA 1023-18E2 PAD
P_BONANZA 1023-18L3S

P_BONANZA 1023-18L3S

Plan: Plan #1 06-10-09 ZRJA6

Standard Planning Report - Geographic

10 June, 2009

APC

Planning Report - Geographic

Database:	edm5000p	**Local Co-ordinate Reference:**	Well P_BONANZA 1023-18L3S
Company:	US ROCKIES REGION PLANNING	**TVD Reference:**	WELL @ 5316.0ft (Original Well Elev)
Project:	UTAH - UTM (feet), NAD27, Zone 12N	**MD Reference:**	WELL @ 5316.0ft (Original Well Elev)
Site:	UINTAH_BONANZA 1023-18E2 PAD	**North Reference:**	Grid
Well:	P_BONANZA 1023-18L3S	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	P_BONANZA 1023-18L3S		
Design:	Plan #1 06-10-09 ZRJA6		

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

Map System:	Universal Transverse Mercator (US Survey Fee	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Zone 12N (114 W to 108 W)		

Site UINTAH_BONANZA 1023-18E2 PAD

Site Position:		**Northing:**	4,423,181.54 m	**Latitude:**	39° 56' 57.39000 N
From:	Lat/Long	**Easting:**	638,818.57 m	**Longitude:**	109° 22' 30.02000 W
Position Uncertainty:	0.0 ft	**Slot Radius:**	0.000 in	**Grid Convergence:**	1.04 °

Well P_BONANZA 1023-18L3S

Well Position	**+N/-S**	0.0 ft	**Northing:**	4,423,178.24 m	**Latitude:**	39° 56' 57.28000 N
	+E/-W	0.0 ft	**Easting:**	638,823.85 m	**Longitude:**	109° 22' 29.80000 W
Position Uncertainty		0.0 ft	**Wellhead Elevation:**		**Ground Level:**	5,316.0 ft

Wellbore P_BONANZA 1023-18L3S

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	6/10/2009	11.26	65.91	52,545

Design Plan #1 06-10-09 ZRJA6

Audit Notes:

Version:		**Phase:**	PLAN	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	8,230.0	0.0	0.0	198.28

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,950.0	0.00	0.00	1,950.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,200.0	25.00	198.28	3,160.7	-254.9	-84.2	2.00	2.00	0.00	198.28	
4,369.0	25.00	198.28	4,220.2	-724.0	-239.1	0.00	0.00	0.00	0.00	
6,035.7	0.00	0.00	5,834.5	-1,063.8	-351.4	1.50	-1.50	0.00	180.00	
8,431.2	0.00	0.00	8,230.0	-1,063.8	-351.4	0.00	0.00	0.00	0.00	PBHL_BONANZA 1

APC

Planning Report - Geographic

Database:	edm5000p	**Local Co-ordinate Reference:**	Well P_BONANZA 1023-18L3S
Company:	US ROCKIES REGION PLANNING	**TVD Reference:**	WELL @ 5316.0ft (Original Well Elev)
Project:	UTAH - UTM (feet), NAD27, Zone 12N	**MD Reference:**	WELL @ 5316.0ft (Original Well Elev)
Site:	UINTAH_BONANZA 1023-18E2 PAD	**North Reference:**	Grid
Well:	P_BONANZA 1023-18L3S	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	P_BONANZA 1023-18L3S		
Design:	Plan #1 06-10-09 ZRJA6		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (m)	Map Easting (m)	Latitude	Longitude
0.0	0.00	0.00	0.0	0.0	0.0	4,423,178.24	638,823.85	39° 56' 57.28000 N	109° 22' 29.80000 W
814.0	0.00	0.00	814.0	0.0	0.0	4,423,178.24	638,823.85	39° 56' 57.28000 N	109° 22' 29.80000 W
Green River									
1,800.0	0.00	0.00	1,800.0	0.0	0.0	4,423,178.24	638,823.85	39° 56' 57.28000 N	109° 22' 29.80000 W
Surface Casing									
1,950.0	0.00	0.00	1,950.0	0.0	0.0	4,423,178.24	638,823.85	39° 56' 57.28000 N	109° 22' 29.80000 W
3,200.0	25.00	198.28	3,160.7	-254.9	-84.2	4,423,100.56	638,798.20	39° 56' 54.77642 N	109° 22' 30.94043 W
4,120.5	25.00	198.28	3,995.0	-624.3	-206.2	4,422,987.96	638,761.01	39° 56' 51.14768 N	109° 22' 32.59334 W
Wasatch									
4,369.0	25.00	198.28	4,220.2	-724.0	-239.1	4,422,957.57	638,750.97	39° 56' 50.16813 N	109° 22' 33.03952 W
6,035.7	0.00	0.00	5,834.5	-1,063.8	-351.4	4,422,853.99	638,716.76	39° 56' 46.83000 N	109° 22' 34.56000 W
6,266.2	0.00	0.00	6,065.0	-1,063.8	-351.4	4,422,853.99	638,716.76	39° 56' 46.83000 N	109° 22' 34.56000 W
Mesa Verde									
8,431.2	0.00	0.00	8,230.0	-1,063.8	-351.4	4,422,853.99	638,716.76	39° 56' 46.83000 N	109° 22' 34.56000 W

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (m)	Easting (m)	Latitude	Longitude
PBHL_BONANZA 10 - plan hits target center - Point	0.00	0.00	8,230.0	-1,063.8	-351.4	4,422,853.99	638,716.76	39° 56' 46.83000 N	09° 22' 34.56000 W

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)
1,800.0	1,800.0	Surface Casing	9.625	12.250

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
814.0	814.0	Green River		0.00	
4,120.5	3,995.0	Wasatch		0.00	
6,266.2	6,065.0	Mesa Verde		0.00	

Bonanza 1023-18L3S
Pad: Bonanza 1023-18E
Surface: 2,546' FNL, 915' FWL (SW/4NW/4) Lot 2
BHL: 1,700' FSL 545' FWL (NW/4SW/4) Lot 3
Sec. 18 T10S R23E

Uintah, Utah
Mineral Lease: UTU 38421

ONSHORE ORDER NO. 1

DRILLING PROGRAM

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

Formation	Depth	Resource
Uinta	0 – Surface	
Green River	814'	
Birds Nest	1,266'	Water
Mahogany	1,746'	Water
Wasatch	3,995'	Gas
Mesaverde	6,065'	Gas
MVU2	6,958'	Gas
MVL1	7,596'	Gas
TVD	8,230'	
TD	8,431'	

3. Pressure Control Equipment (Schematic Attached)

Please refer to the attached Drilling Program.

4. Proposed Casing & Cementing Program:

Please refer to the attached Drilling Program.

5. Drilling Fluids Program:

Please refer to the attached Drilling Program.

6. Evaluation Program:

Please refer to the attached Drilling Program.

7. Abnormal Conditions:

Maximum anticipated bottomhole pressure calculated at 8,431' TD, approximately equals 4,990 psi (calculated at 0.59 psi/foot).

Maximum anticipated surface pressure equals approximately 3,060 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. Anticipated Starting Dates:

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

9. Variances:

Please refer to the attached Drilling Program.
Onshore Order #2 – Air Drilling Variance

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

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

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

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

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

Background

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

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

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

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

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

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

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

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

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

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

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

10. Other Information:

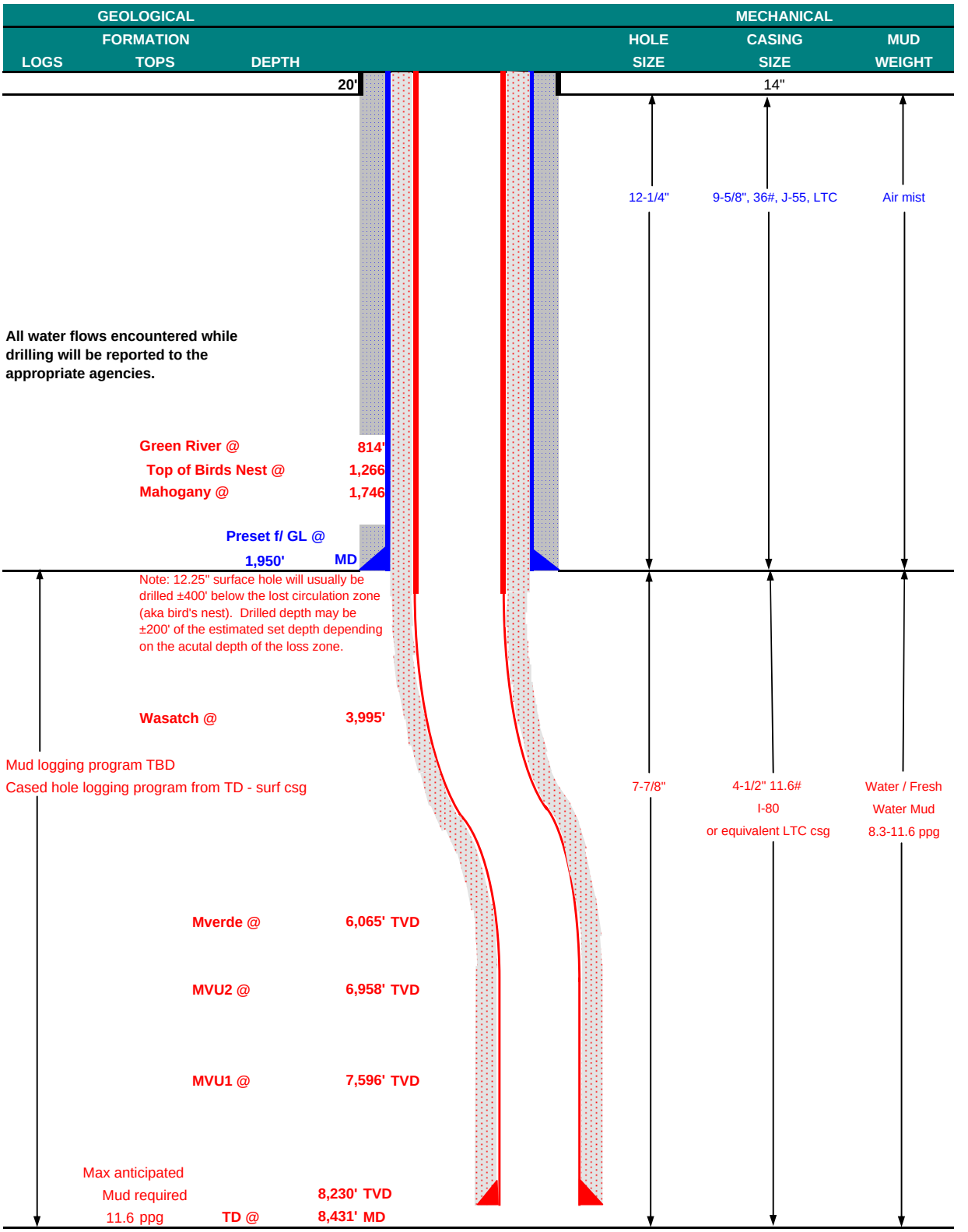
Please refer to the attached Drilling Program.

’APIWellNo:43047505210000’

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP		DATE	June 29, 2009	
WELL NAME	**Bonanza 1023-18L3S**		TD	8,230' TVD	8,431' MD
FIELD	Natural Buttes	COUNTY Uintah	STATE Utah	FINISHED ELEVATION	5,316'
SURFACE LOCATION	SW/4 NW/4 2,546' FNL	915' FWL	Sec 18 T 10S	R 23E	Lot 2
	Latitude: 39.949211	Longitude: -109.375625			NAD 83
BTM HOLE LOCATION	NW/4 SW/4 1,700' FSL	545' FWL	Sec 18 T 10S	R 23E	Lot 3
	Latitude: 39.946308	Longitude: -109.376947			NAD 83
OBJECTIVE ZONE(S)	Wasatch/Mesaverde				
ADDITIONAL INFO	Regulatory Agencies: BLM (Minerals), BLM (Surface), UDOGM Tri-County Health Dept.				



'APIWellNo:43047505210000'

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'						
						3,520	2,020	453,000
SURFACE	9-5/8"	0 to 1,950	36.00	J-55	LTC	1.09	2.21	8.21
						7,780	6,350	201,000
PRODUCTION	4-1/2"	0 to 8,431	11.60	I-80	LTC	2.47	1.28	2.36

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

2) MASP (Prod Casing) = Pore Pressure at TD - (0.22 psi/ft-partial evac gradient x TD)
(Burst Assumptions: TD = 11.6 ppg) 0.22 psi/ft = gradient for partially evac wellbore
(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
MASP 3,060 psi

3) Maximum Anticipated Bottom Hole Pressure (MABHP) = Pore Pressure at TD
(Burst Assumptions: TD = 11.6 ppg) 0.59 psi/ft = bottomhole gradient
(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
MABHP 4,990 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500'	Premium cmt + 2% CaCl	215	60%	15.60	1.18
Option 1			+ 0.25 pps flocele				
	TOP OUT CMT (6 jobs)	1,200'	20 gals sodium silicate + Premium cmt	380	0%	15.60	1.18
			+ 2% CaCl + 0.25 pps flocele				
			Premium cmt + 2% CaCl				
SURFACE			**NOTE: If well will circulate water to surface, option 2 will be utilized**				
Option 2	LEAD	1,450'	65/35 Poz + 6% Gel + 10 pps gilsonite	340	35%	12.60	1.81
			+ 0.25 pps Flocele + 3% salt BWOW				
	TAIL	500'	Premium cmt + 2% CaCl	180	35%	15.60	1.18
			+ 0.25 pps flocele				
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	3,491'	Premium Lite II + 3% KCl + 0.25 pps	330	40%	11.00	3.38
			celloflake + 5 pps gilsonite + 10% gel				
			+ 0.5% extender				
	TAIL	4,940'	50/50 Poz/G + 10% salt + 2% gel	1,210	40%	14.30	1.31
			+ 0.1% R-3				

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

FLOAT EQUIPMENT & CENTRALIZERS

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

ADDITIONAL INFORMATION

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

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

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

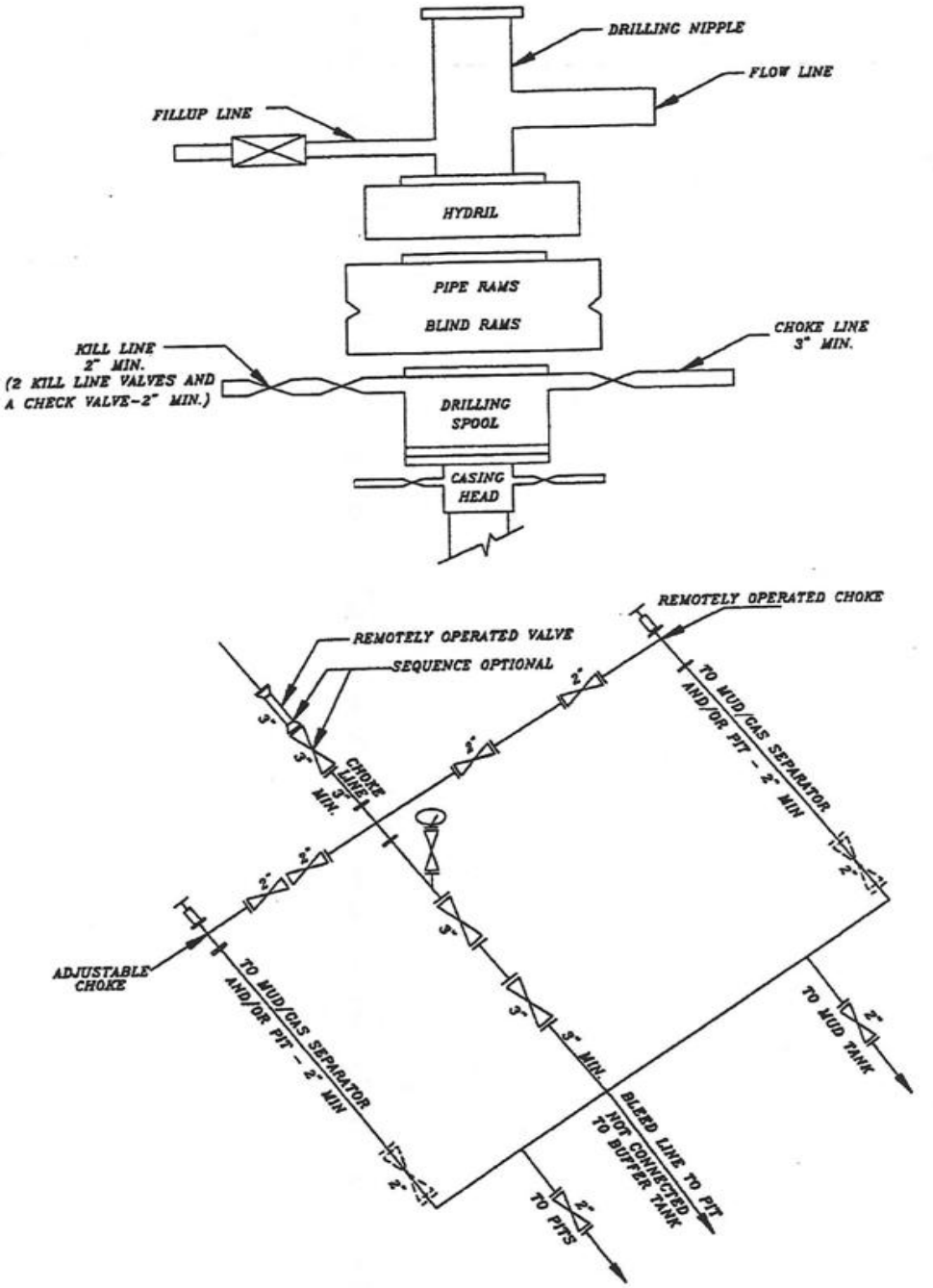
Most rigs have PVT System for mud monitoring. If no PVT is available, visual monitoring will be utilized.

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

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

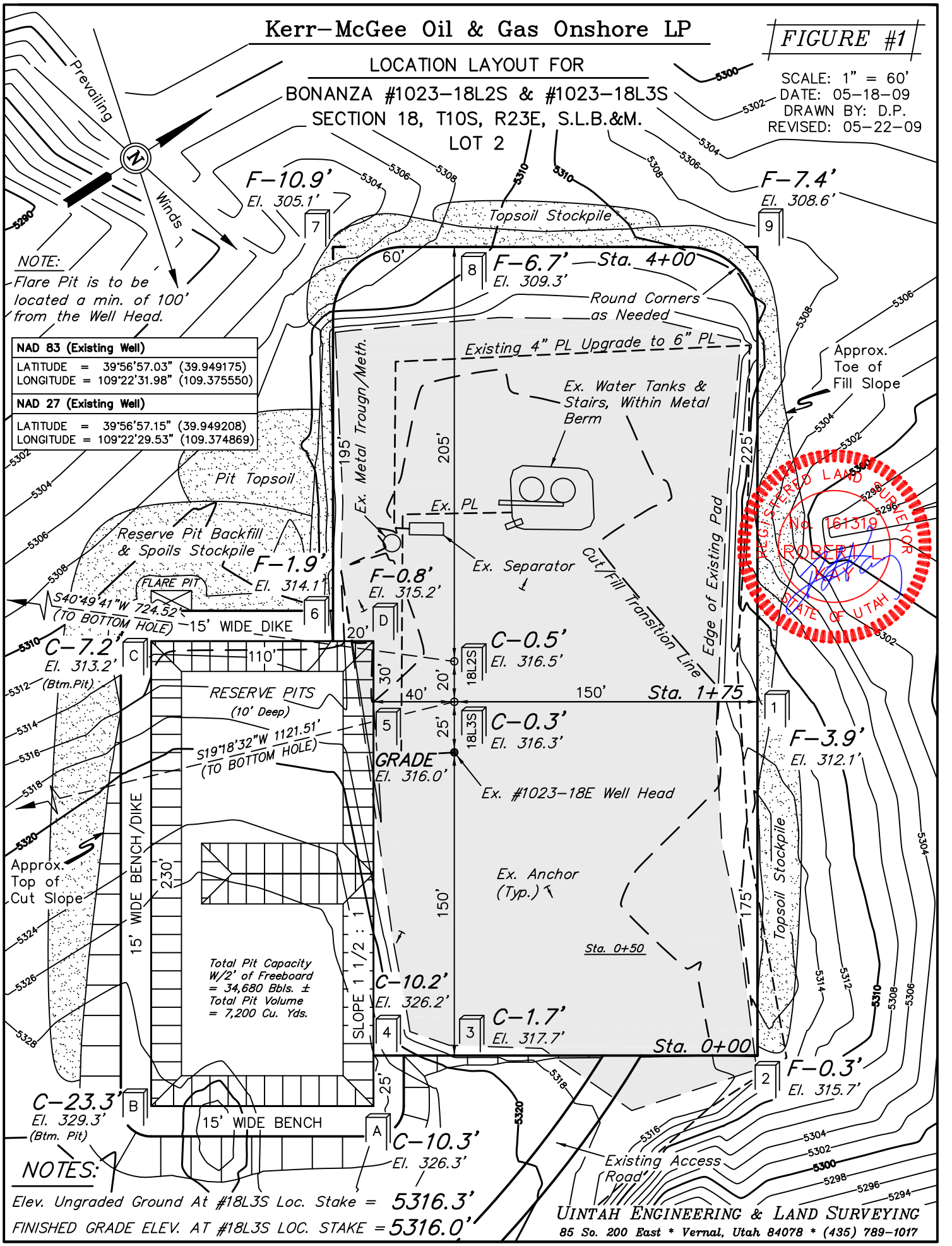
’APIWellNo:43047505210000’

EXHIBIT A
Bonanza 1023-18L3S



SCHEMATIC DIAGRAM OF 5,000 PSI BOP STACK

'APIWellNo:43047505210000'



'APIWellNo:43047505210000'

Kerr-McGee Oil & Gas Onshore LP

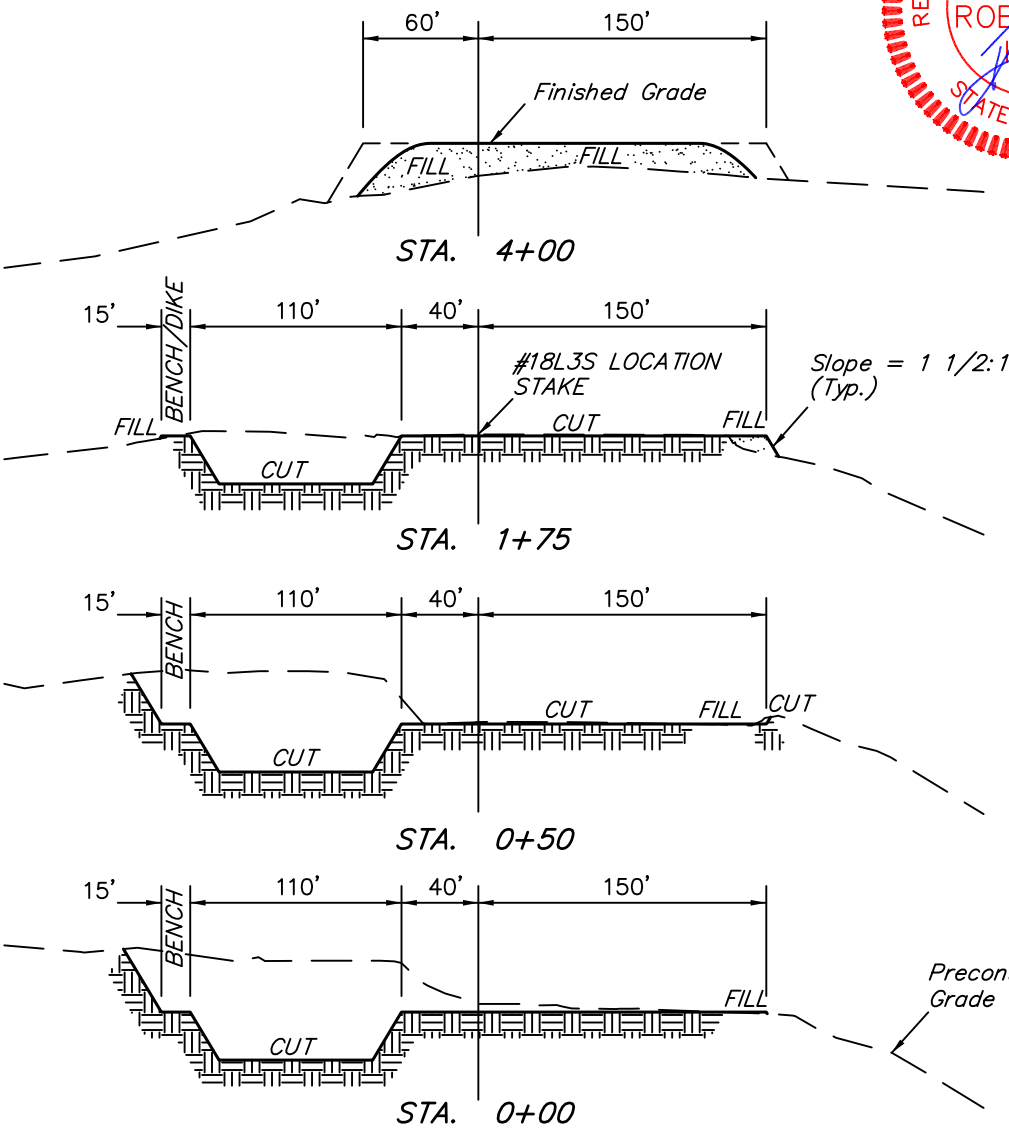
FIGURE #2

TYPICAL CROSS SECTIONS FOR
BONANZA #1023-18L2S & #1023-18L3S
SECTION 18, T10S, R23E, S.L.B.&M.
LOT 2

1" = 20'
X-Section Scale
1" = 100'

DATE: 05-18-09
DRAWN BY: D.P.

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



APPROXIMATE ACREAGES

EXISTING WELL SITE DISTURBANCE = ± 1.499 ACRES
NEW CONSTRUCTION WELL SITE DISTURBANCE = ± 1.750 ACRES
TOTAL = ± 3.249 ACRES

* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT
(6") Topsoil Stripping = 2,460 Cu. Yds.
Remaining Location = 16,560 Cu. Yds.

TOTAL CUT = 19,020 CU.YDS.
FILL = 4,590 CU.YDS.

EXCESS MATERIAL = 14,430 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.) = 6,060 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation) = 8,370 Cu. Yds.

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

'APIWellNo:43047505210000'

Kerr-McGee Oil & Gas Onshore LP

FIGURE #3

TYPICAL RIG LAYOUT FOR

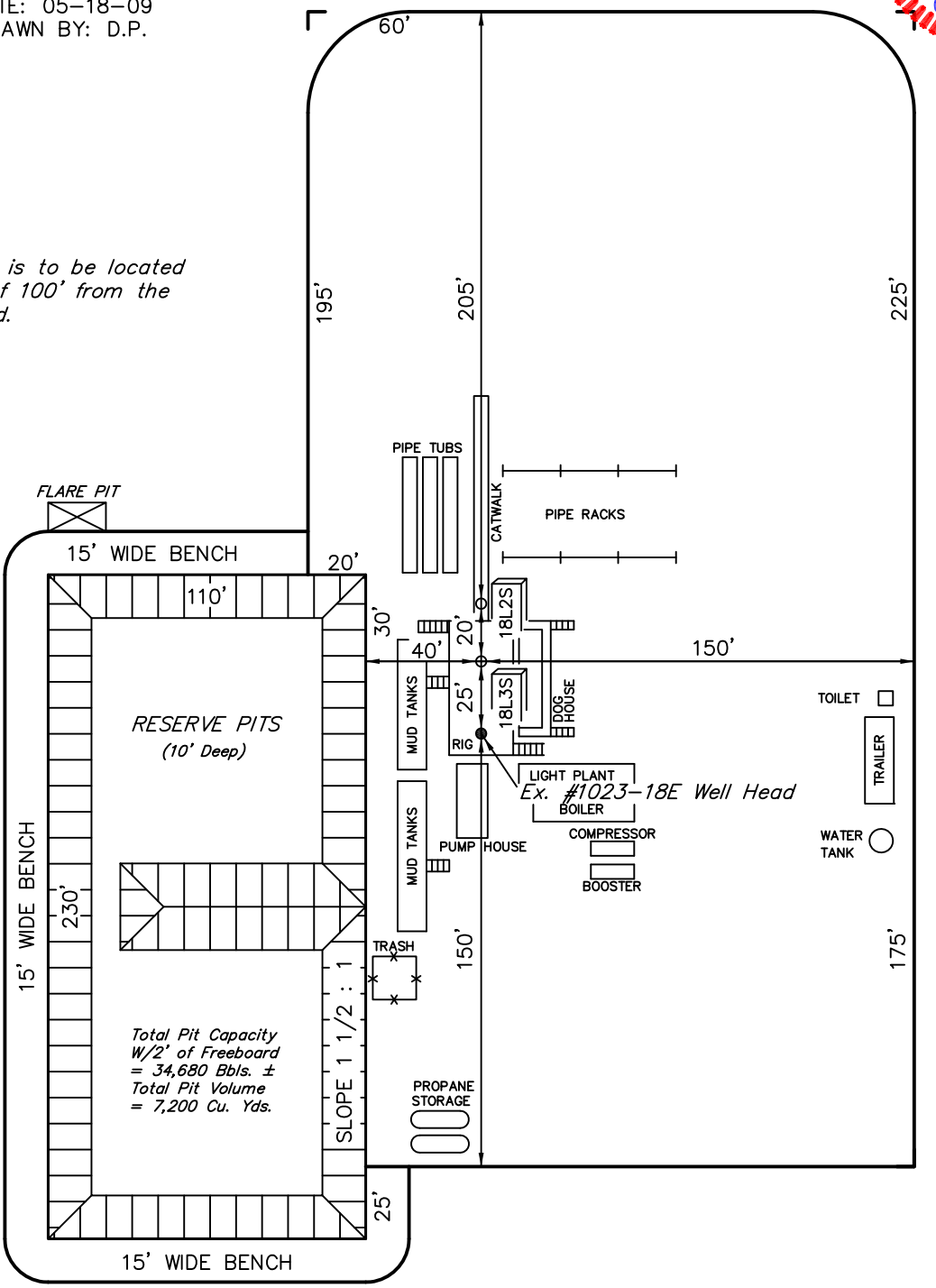
BONANZA #1023-18L2S & #1023-18L3S
SECTION 18, T10S, R23E, S.L.B.&M.
LOT 2

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

SCALE: 1" = 60'
DATE: 05-18-09
DRAWN BY: D.P.

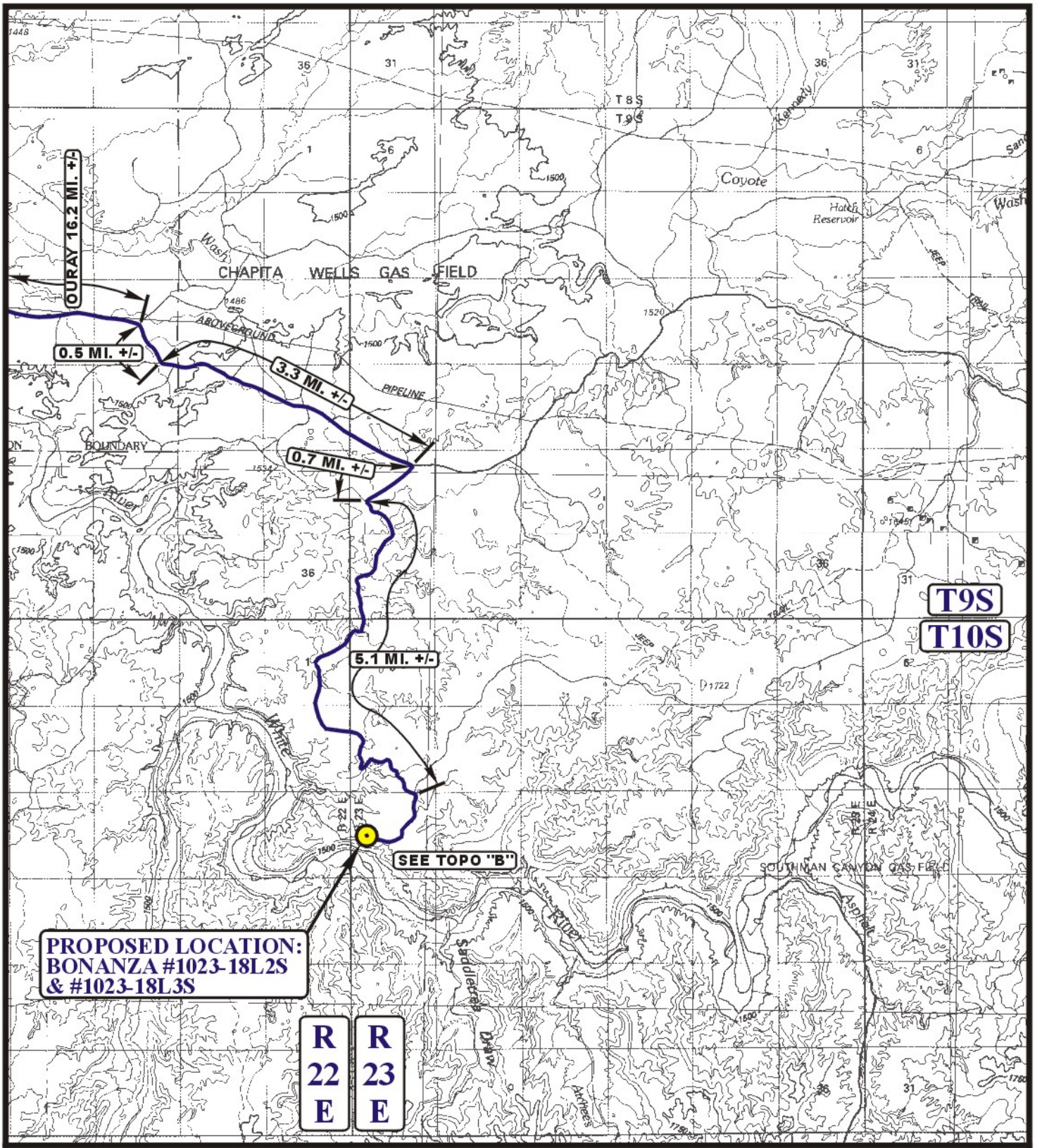
NOTE:

Flare Pit is to be located a min. of 100' from the Well Head.



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

’APIWellNo:43047505210000’



LEGEND:

PROPOSED LOCATION

N

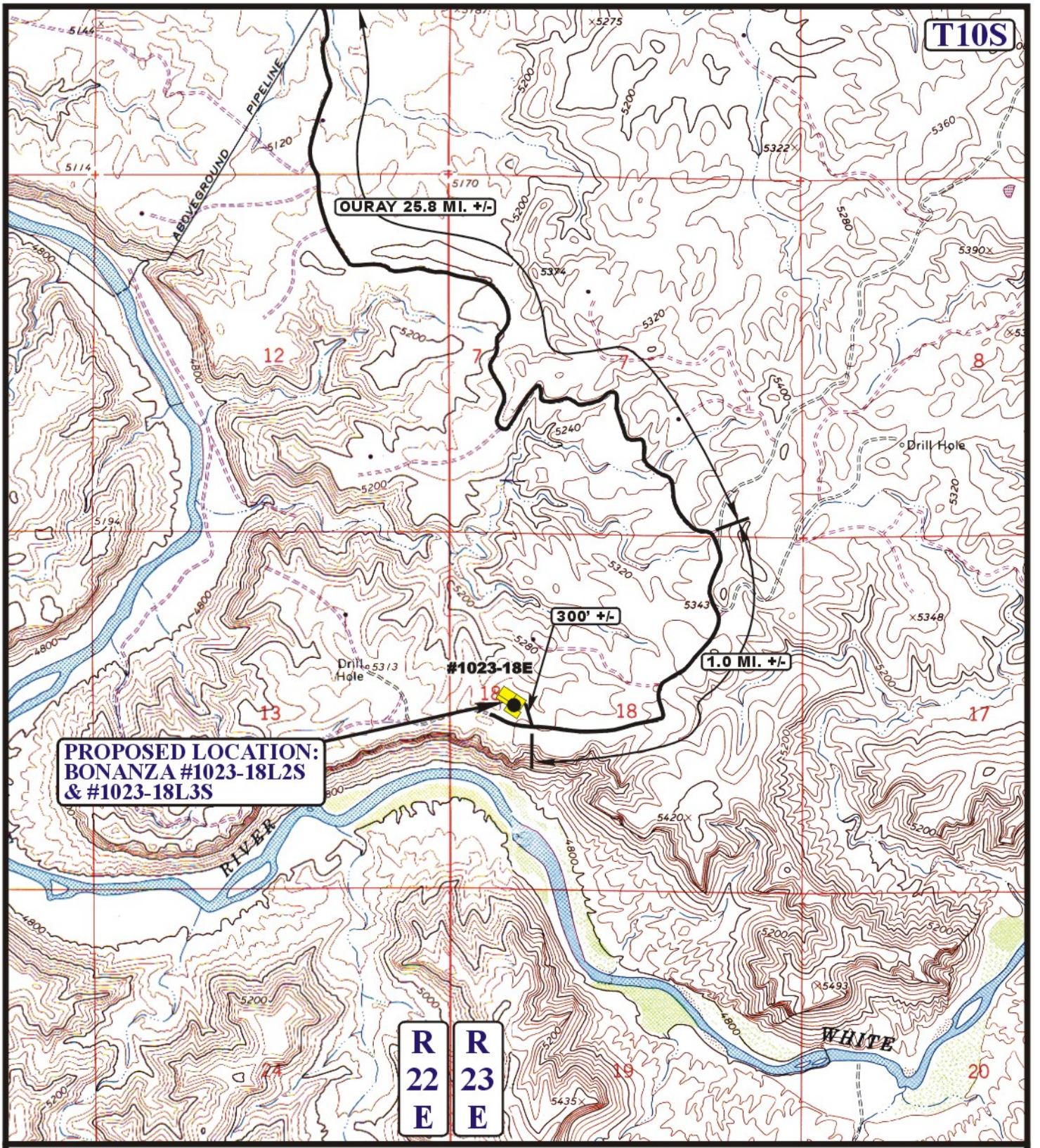
Kerr-McGee Oil & Gas Onshore LP

BONANZA #1023-18L2S & #1023-18L3S
SECTION 18, T10S, R23E, 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 MONTH	19 DAY	09 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: D.P.	REVISED: 00-00-00		

’APIWellNo:43047505210000’



LEGEND:

EXISTING ROAD

N

Kerr-McGee Oil & Gas Onshore LP

BONANZA #1023-18L2S & #1023-18L3S
SECTION 18, T10S, R23E, S.L.B.&M.
LOT 2

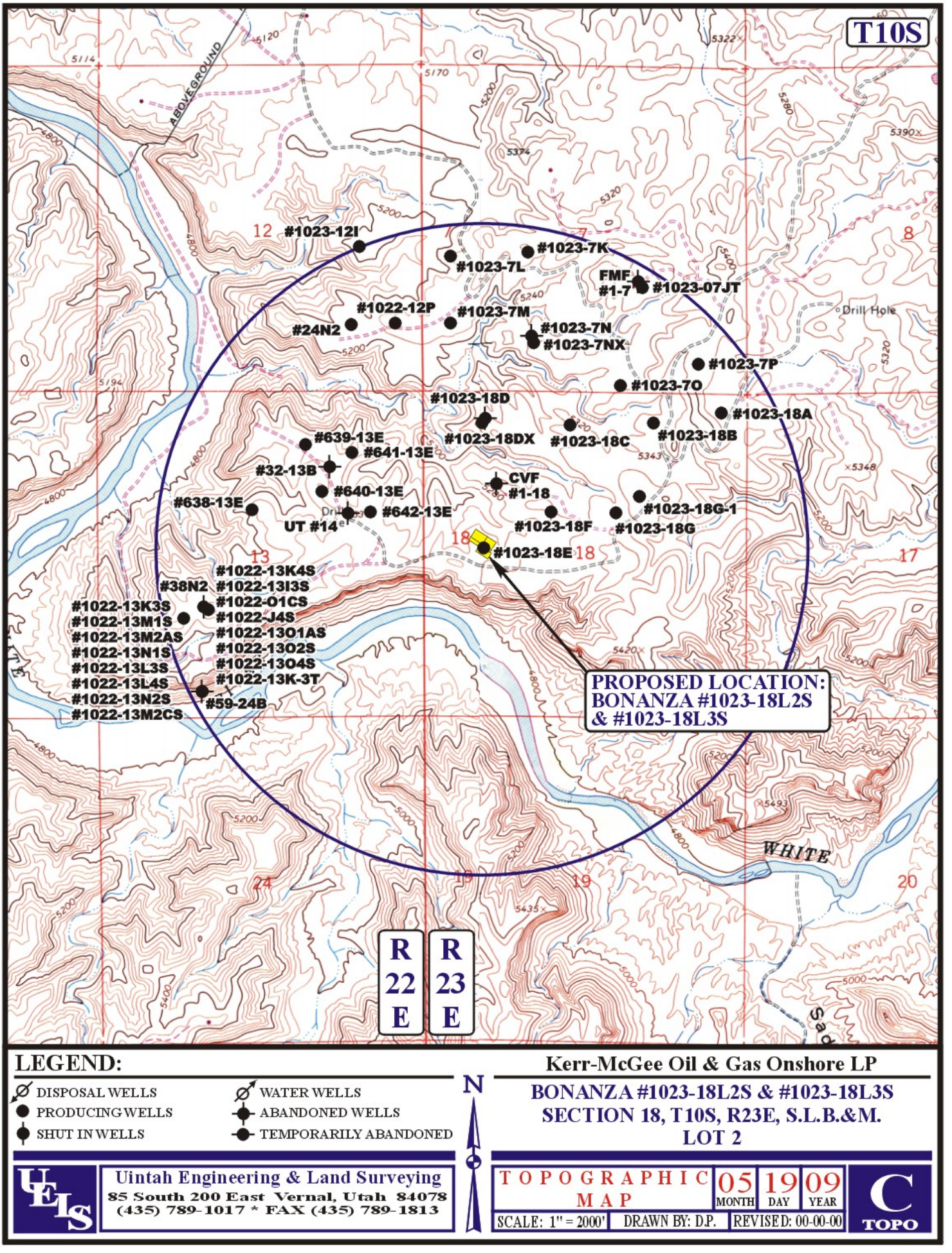
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP | 05 MONTH | 19 DAY | 09 YEAR

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

B TOPO

’APIWellNo:43047505210000’



LEGEND:

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

N

Kerr-McGee Oil & Gas Onshore LP

BONANZA #1023-18L2S & #1023-18L3S
SECTION 18, T10S, R23E, S.L.B.&M.
LOT 2

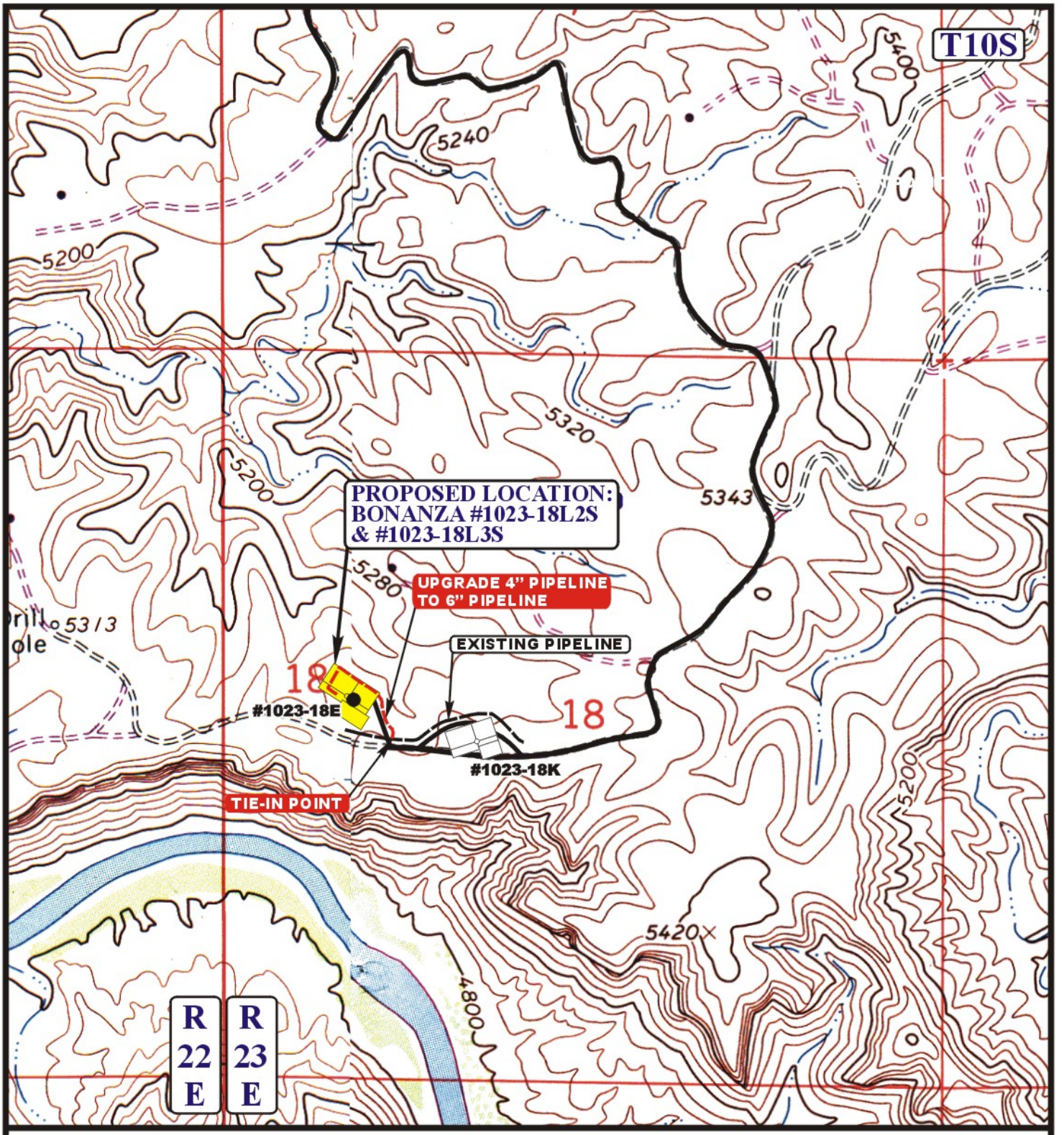
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP | 05 MONTH | 19 DAY | 09 YEAR

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

C TOPO

’APIWellNo:43047505210000’



APPROXIMATE TOTAL 4" TO 6" PIPELINE DISTANCE = 960' +/-

LEGEND:

EXISTING PIPELINE

UPGRADE 4" PIPELINE TO 6" PIPELINE

N

Kerr-McGee Oil & Gas Onshore LP

BONANZA #1023-18L2S & #1023-18L3S
SECTION 18, T10S, R23E, 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 MONTH | 19 DAY | 09 YEAR

SCALE: 1" = 1000' | DRAWN BY: D.P. | REVISED: 00-00-00

D TOPO

’APIWellNo:43047505210000’

Kerr-McGee Oil & Gas Onshore LP

BONANZA #1023-18L2S & #1023-18L3S

LOCATED IN UINTAH COUNTY, UTAH
SECTION 18, T10S, R23E, S.L.B.&M.

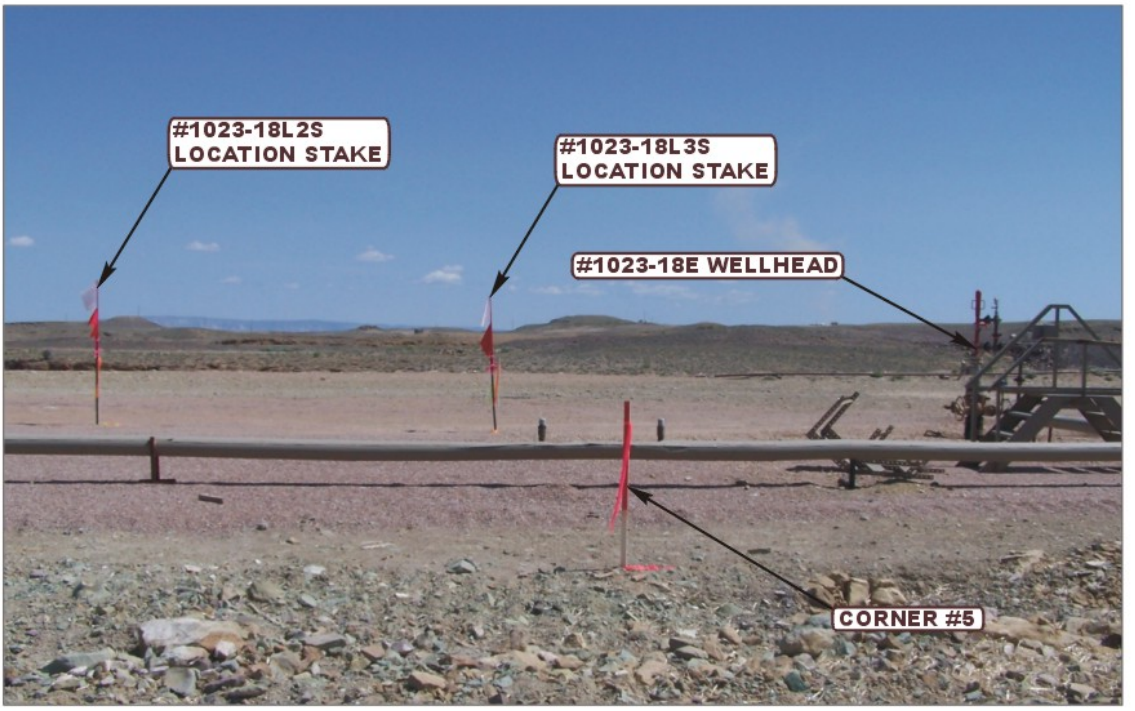


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE — CAMERA ANGLE: NORTHEASTERLY

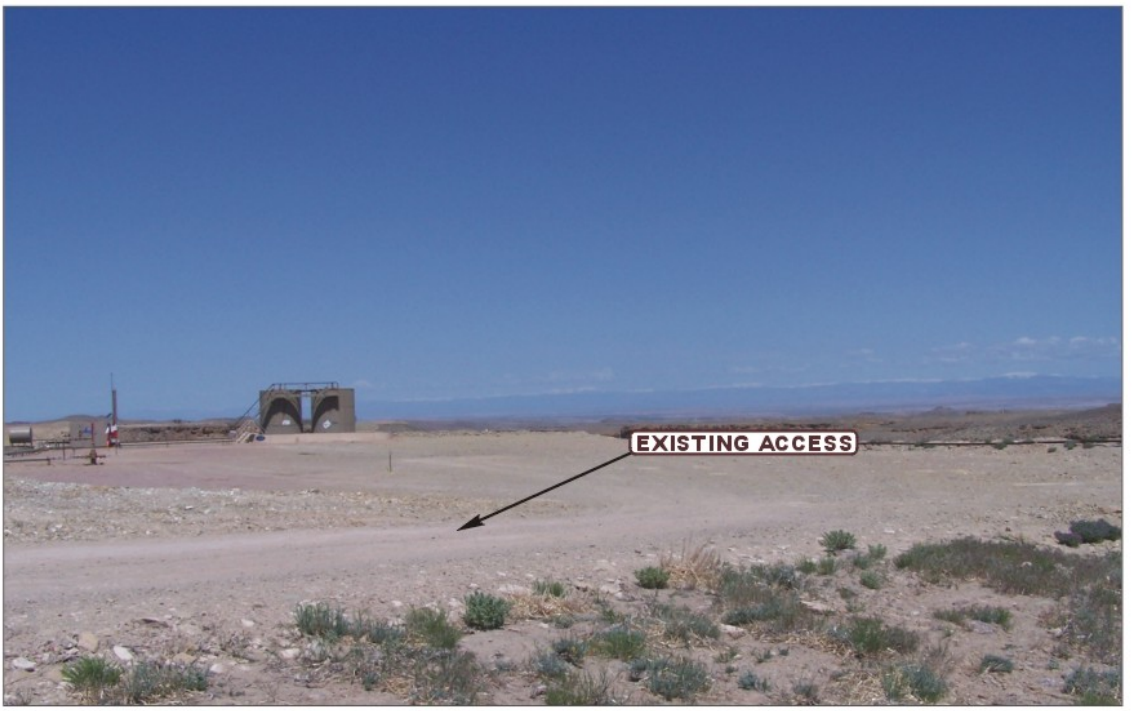


PHOTO: VIEW OF EXISTING ACCESS — CAMERA ANGLE: NORTHWESTERLY

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

LOCATION PHOTOS	05 MONTH	19 DAY	09 YEAR	PHOTO
TAKEN BY: D.K.	DRAWN BY: D.P.	REVISED: 00-00-00		

'APIWellNo:43047505210000'

Kerr-McGee Oil & Gas Onshore LP

BONANZA #1023-18L2S & #1023-18L3S

PIPELINE ALIGNMENT

LOCATED IN UINTAH COUNTY, UTAH
SECTION 18, T10S, R23E, S.L.B.&M.

PHOTO: VIEW OF TIE-IN POINT

CAMERA ANGLE: NORTHERLY

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

PIPELINE PHOTOS	05 MONTH	19 DAY	09 YEAR	PHOTO
TAKEN BY: D.K.	DRAWN BY: D.P.	REVISED: 00-00-00		

Kerr-McGee Oil & Gas Onshore LP
BONANZA #1023-18L2S & #1023-18L3S
SECTION 18, T10S, R23E, 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 EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 1.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 3.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 5.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; PROCEED IN A SOUTHERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 1.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN RIGHT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 300’ TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 57.8 MILES.

Bonanza 1023-18L2S
Surface: 2,535' FNL, 898' FWL (SW/4NW/4) Lot 2
BHL: 2,220' FSL 425' FWL (NW/4SW/4) Lot 3

Bonanza 1023-18L3S
Surface: 2,546' FNL, 915' FWL (SW/4NW/4) Lot 2
BHL: 1,700' FSL 545' FWL (NW/4SW/4) Lot 3

Pad: Bonanza 1023-18E
Sec. 18 T10S R23E

Uintah, Utah
Mineral Lease: UTU 38421

ONSHORE ORDER NO. 1

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

This Application for Permit to Drill (APD) is filed under the Notice of Staking (NOS) process as stated in Onshore Order No. 1 (OSO #1) and supporting Bureau of Land Management (BLM) documents. An NOS was submitted showing the surface locations in Section 18 T10S R23E. At the time the NOS was submitted, the Bonanza 1023-18L2S was known as the Bonanza 1023-L1S and the Bonanza 1023-18L3S was known as the Bonanza 1023-18L4S.

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

An on-site meeting was held on February 3, 2009. Present were:

- Verlyn Pindell, Dave Gordon, Scott Ackerman, Karl Wright – BLM;
- David Kay – Uintah Engineering & Land Surveying;
- Kolby Kay – 609 Consulting, LLC
- Tony Kazeck, Clay Einerson, Raleen White, Ramey Hoopes, Grizz Oleen, Charles Chase and Spencer Biddle – Kerr-McGee.

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

1. Existing Roads:

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

2. Planned Access Roads:
See MDP for additional details on road construction.
No new access road is proposed. Please refer to the attached Topo Map B. No pipelines will be crossed with the new construction.

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

3. Location of Existing Wells Within a 1-Mile Radius:
Please refer to Topo Map C.

4. Location of Existing and Proposed Facilities:
See MDP for additional details on Existing and Proposed Facilities.

KMG will construct a second pit during completion operations due to the volume of fluids used with a 4-well frac. The pit will be lined and fenced per BLM requirements. KMG is also requesting the pit stay open for 1 year to utilize for additional 4 well completions in the area. If determined that the pit is not needed within the 1 year; the fluids will be removed and pit reclaimed.

The following guidelines will apply if the well is productive.
Approximately ±960' of pipeline will be upgraded from 4" to 6". Refer to Topo D for the existing and proposed pipeline. Pipeline segments will be welded or zaplocked together on disturbed areas in or near the location, whenever possible, and dragged into place

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

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

No water well is to be drilled on this lease.

6. Source of Construction Materials:
See MDP for additional details on Source of Construction Materials.

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

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

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

8. Ancillary Facilities:
See MDP for additional details on Ancillary Facilities.

None are anticipated.

9. Well Site Layout: (See Location Layout Diagram)
See MDP for additional details on Well Site Layout.

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

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

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

11. Surface/Mineral Ownership:
United States of America
Bureau of Land Management
170 South 500 East
Vernal, UT 84078
(435)781-4400

12. Other Information:
See MDP for additional details on Other Information.

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

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

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

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

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

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

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

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

Kathy Schneebeck Dulnoan

June 29, 2009
Date

CULTURAL RESOURCE INVENTORY OF KERR-MCGEE OIL & GAS ONSHORE LP'S PROPOSED BONANZA 1023-18L2S AND BONANZA 1023-18L3S WELL LOCATIONS (T10S, R23E, SECTION 18) UINTAH COUNTY, UTAH

By:

Nicole Shelnut

Prepared For:

Bureau of Land Management
Vernal Field Office

Prepared Under Contract With:

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

Prepared By:

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

MOAC Report No. 09-085

June 5, 2009

United States Department of Interior (FLPMA)
Permit No. 09-UT-60122

State of Utah Antiquities Project (Survey)
Permit No. U-09-MQ-0322b

IPC #09-107

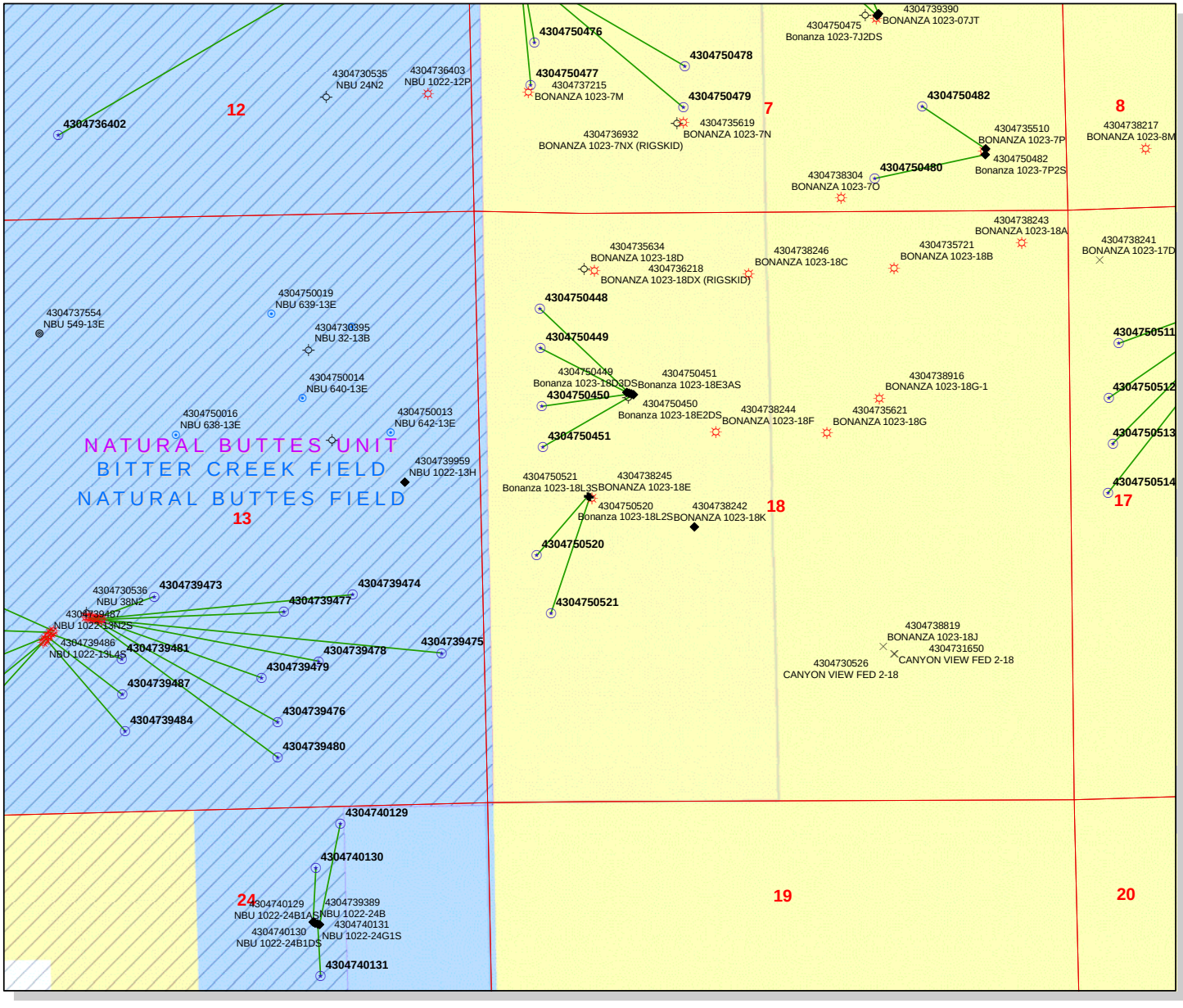
Paleontological Reconnaissance Survey Report

Survey of Kerr McGee's Proposed Well Pads, Access Road, Pipeline & Pipeline Upgrade for "NBU #1022-11M, K3AS, M1BS, L2BS & L3BS" (Sec. 11, T 10 S, R 22 E) & "Bonanza #1023-18L2S & L3S" (Sec. 18, T 10 S, R 23 E)

Archy Bench & Asphalt Wash
Topographic Quadrangles
Uintah County, Utah

June 4, 2009

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



API Number: 4304750521

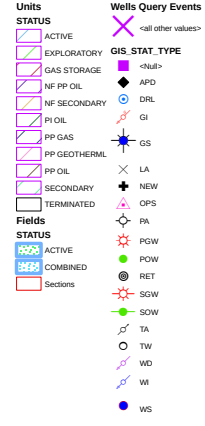
Well Name: Bonanza 1023-18L3S

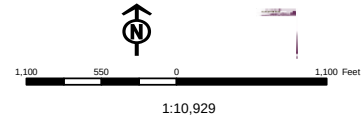
Township 10.0 S Range 23.0 E Section 18

Meridian: SLBM

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

Map Prepared:
Map Produced by Diana Mason





1:10,929

'APIWellNo:43047505210000'

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 6/29/2009 **API NO. ASSIGNED:** 43047505210000

WELL NAME: Bonanza 1023-18L3S

OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P. (N2995) **PHONE NUMBER:** 720 929-6156

CONTACT: Danielle Piernot

PROPOSED LOCATION: SWNW 18 100S 230E **Permit Tech Review:** ☑

SURFACE: 2546 FNL 0915 FWL **Engineering Review:** ☑

BOTTOM: 1700 FSL 0545 FWL **Geology Review:** ☑

COUNTY: UINTAH

LATITUDE: 39.94921 **LONGITUDE:** -109.37495

UTM SURF EASTINGS: 638823.00 **NORTHINGS:** 4423174.00

FIELD NAME: NATURAL BUTTES

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU 38421 **PROPOSED PRODUCING FORMATION(S):** WASATCH-MESA VERDE

SURFACE OWNER: 1 - Federal **COALBED METHANE:** NO

RECEIVED AND/OR REVIEWED:

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

Commingling Approved

LOCATION AND SITING:

- ☐ **R649-2-3.**

Unit:

- ☐ **R649-3-2. General**
- ☐ **R649-3-3. Exception**
- ☑ **Drilling Unit**

Board Cause No: Cause 179-14

Effective Date: 6/12/2008

Siting: 460' fr ext. drilling unit boundary

- ☑ **R649-3-11. Directional Drill**

Comments: Presite Completed

Stipulations: 3 - Commingling - ddoucet
4 - Federal Approval - dmason
15 - Directional - dmason

JON M. HUNTSMAN, JR.
Governor
GARY R. HERBERT
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES
MICHAEL R. STYLER
Executive Director
Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

Permit To Drill

****

Well Name: Bonanza 1023-18L3S
API Well Number: 43047505210000
Lease Number: UTU 38421
Surface Owner: FEDERAL
Approval Date: 7/16/2009

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

Authority:
Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 179-14. The expected producing formation or pool is the WASATCH-MESA VERDE Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

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

Commingle:
In accordance with Board Cause No. 179-14 commingling of the production from the Wasatch formation and the Mesaverde formation in this well is allowed.

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

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

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

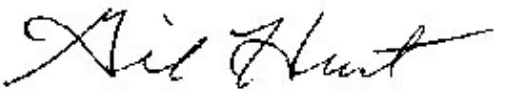
Notification Requirements:
The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:
- Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284

(please leave a voicemail message if not available)
OR
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at http://oilgas.ogm.utah.gov

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

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

Approved By:



Gil Hunt
Associate Director, Oil & Gas

Form 3160-3
(August 2007)

RECEIVED
JUN 29 2009
BLM

FORM APPROVED
OMB No. 1004-0136
Expires July 31, 2010

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: ☒ DRILL ☐ REENTER	5. Lease Serial No. UTU38421
	6. If Indian, Allottee or Tribe Name
	7. If Unit or CA Agreement, Name and No.
1b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other ☐ Single Zone ☒ Multiple Zone	8. Lease Name and Well No. BONANZA 1023-18L3S
2. Name of Operator KERRMCGEE OIL&GAS ONSHORE LP — Contact: DANIELLE E PIERNOT — Mail: Danielle.Piernot@anadarko.com	9. API Well No. 43-047-50521
3a. Address PO BOX 173779 DENVER, CO 80202-3779 — 3b. Phone No. (include area code) Ph: 720-929-6156 Fx: 720-929-7156	10. Field and Pool, or Exploratory NATURAL BUTTES
4. Location of Well *(Report location clearly and in accordance with any State requirements.*)* At surface SWNW Lot 2 2546FNL 915FWL 39.94921 N Lat, 109.37563 W Lon At proposed prod. zone NWSW Lot 3 1700FSL 545FWL 39.94631 N Lat, 109.37695 W Lon	11. Sec., T., R., M., or Blk. and Survey or Area Sec 18 T10S R23E Mer SLB
14. Distance in miles and direction from nearest town or post office* APPROXIMATELY 27 MILES SOUTHEAST OF OURAY, UTAH	12. County or Parish UINTAH — 13. State UT
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 545 FEET — 16. No. of Acres in Lease 637.40	17. Spacing Unit dedicated to this well 320.00
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. APPROXIMATELY 535 FEET — 19. Proposed Depth 8431 MD 8230 TVD	20. BLM/BIA Bond No. on file WYB000291
21. Elevations (Show whether DF, KB, RT, GL, etc. 5316 GL — 22. Approximate date work will start 07/14/2009	23. Estimated duration 60-90 DAYS

24. Attachments

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

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

25. Signature	Name (Printed/Typed)	Date
(Electronic Submission)	DANIELLE E PIERNOT Ph: 720-929-6156	06/29/2009

Title: REGULATORY ANALYST

Approved by (Signature)	Name (Printed/Typed)	Date
Stephanie J Howard	Stephanie J Howard	12/3/09
Title: Acting Assistant Field Manager Lands & Mineral Resources	Office: VERNAL FIELD OFFICE	

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Additional Operator Remarks (see next page)

NOS Add Dated 7/2/09

Electronic Submission #71490 verified by the BLM Well Information System
For KERRMCGEE OIL&GAS ONSHORE LP, sent to the Vernal
Committed to AFMSS for processing by GAIL JENKINS on 07/01/2009 ()

NOTICE OF APPROVAL

RECEIVED
DEC 07 2009
DIV. OF OIL, GAS & MINING

AFMSS#

UDOGM

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

096XJ5104AE

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE
170 South 500 East VERNAL, UT 84078 (435) 781-4400

CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	**Kerr McGee Oil & Gas Onshore**	**Location:**	**Lot #2, Sec.18, T10S, R23E**
Well No:	**Bonanza 1023-18L3S**	**Lease No:**	**UTU-38421**
API No:	**43-047-50521**	**Agreement:**	**N/A**

OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

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

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit was processed using a 390 CX tied to NEPA approved 2/5/2007. Therefore, this permit is approved for a two (2) year period OR until lease expiration OR the well must be spud by 2/5/2012 (5 years from the NEPA approval date), whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

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

SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of NO_x per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.

- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO_x per horsepower-hour.

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.

- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

- The following seed mix will be used for Interim Reclamation

Interim Reclamation seed mix

Ephraim crested wheatgrass	*Agropyron cristatum v. Epharim*	1 lbs. /acre
bottlebrush squirreltail	*Elymus elymoides*	1 lbs. /acre
Siberian wheatgrass	*Agropyron fragile*	1 lbs. /acre
western wheatgrass	*Agropyron smithii*	1 lbs. /acre
scarlet globemallow	*Spaeralcea coccinea*	1 lbs. /acre
shadscale	*Atriplex confertifolia*	2 lbs. /acre
fourwing saltbush	*Atriplex canescens*	2 lbs. /acre

Seed shall be applied with a rangeland drill, unless topography and /or rockiness precludes the use of equipment. See shall be applied between August 15 and ground freezing. All see rates are in terms of Pure Live Seed. Operator shall notify the Authorized Officer when seeding has commenced, and shall retain all seed tags.

- The operator will control noxious weeds along the well pad, access road, and the pipeline route by spraying or mechanical removal. On BLM administered land, a Pesticide Use Proposal (PUP) will be submitted and approved prior to the application of herbicides or pesticides or possibly hazardous chemicals.

- All permanent (on-site six months or longer), above ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the five state Rocky Mountain Inter-Agency Committee. 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 Shadow Gray as determined during the on-site inspection.

- As agreed upon at the onsite the pit will be lined with double felt.

- As agreed upon at the onsite the topsoil pile on the west side of the pad will be pushed further west to insure that it is not mixed in with sub-soils.

- There will be two (2) inches of topsoil saved between corners 7 and 9 and saved on the south side of the pad west side of the pad

- There will be two (2) inches of topsoil saved from the pit and stored between corners A and B of the pit.

DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)

SITE SPECIFIC DOWNHOLE COAs:

- A formation integrity test shall be performed at the surface casing shoe.
- A Gama Ray Log shall be run from TD to surface.

Variances Granted:

Air Drilling:

- Properly lubricated and maintained rotating head, variance granted to use a properly maintained and lubricated diverter bowl in place of a rotating head.
- Blooie line discharge 100' from the well bore, variance granted for blooie line discharge to be 45' from the well bore.
- Compressors located in the opposite direction from the blooie line a minimum of 100' from the well bore. Variance granted for two truck/trailer mounted air compressors located within 40 feet from the well bore and 60' from the blooie line.
- In lieu of mud products on location, Kerr McGee will fill the reserve pit with water for kill fluid.
- Automatic igniter. Variance granted for igniter due to there being no productive formations while drilling with air.

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

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.

- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.

- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.

- No aggressive/fresh hard-banded drill pipe shall be used within casing.

- **Cement baskets shall not be run on surface casing.**

- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.

- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@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 (¼¼, 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.

Federal Approval of this Action is Necessary

API Well No: 43047505210000

FORM 9

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

5.LEASE DESIGNATION AND SERIAL NUMBER:
UTU 38421

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
Bonanza 1023-18L3S

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

9. API NUMBER:
43047505210000

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

PHONE NUMBER:
720 929-6007 Ext

9. FIELD and POOL or WILDCAT:
NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
2546 FNL 0915 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SWNW Section: 18 Township: 10.0S Range: 23.0E Meridian: S

COUNTY:
UINTAH

STATE:
UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 2/24/2010	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	✓ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

Kerr-McGee Oil & Gas Onshore, L.P. (Kerr-McGee) respectfully requests a minor adjustment to the surface location of this well due to additional wells being added to the pad. The surface location is changing FROM: 2,546' FNL 915' FWL TO: 2,513' FNL 865' FWL. Please see the attached revised survey plats for additional information. All of the original information remains the same. Please contact the undersigned with any questions and/or comments. Thank you.

Approved by the Utah Division of Oil, Gas and Mining

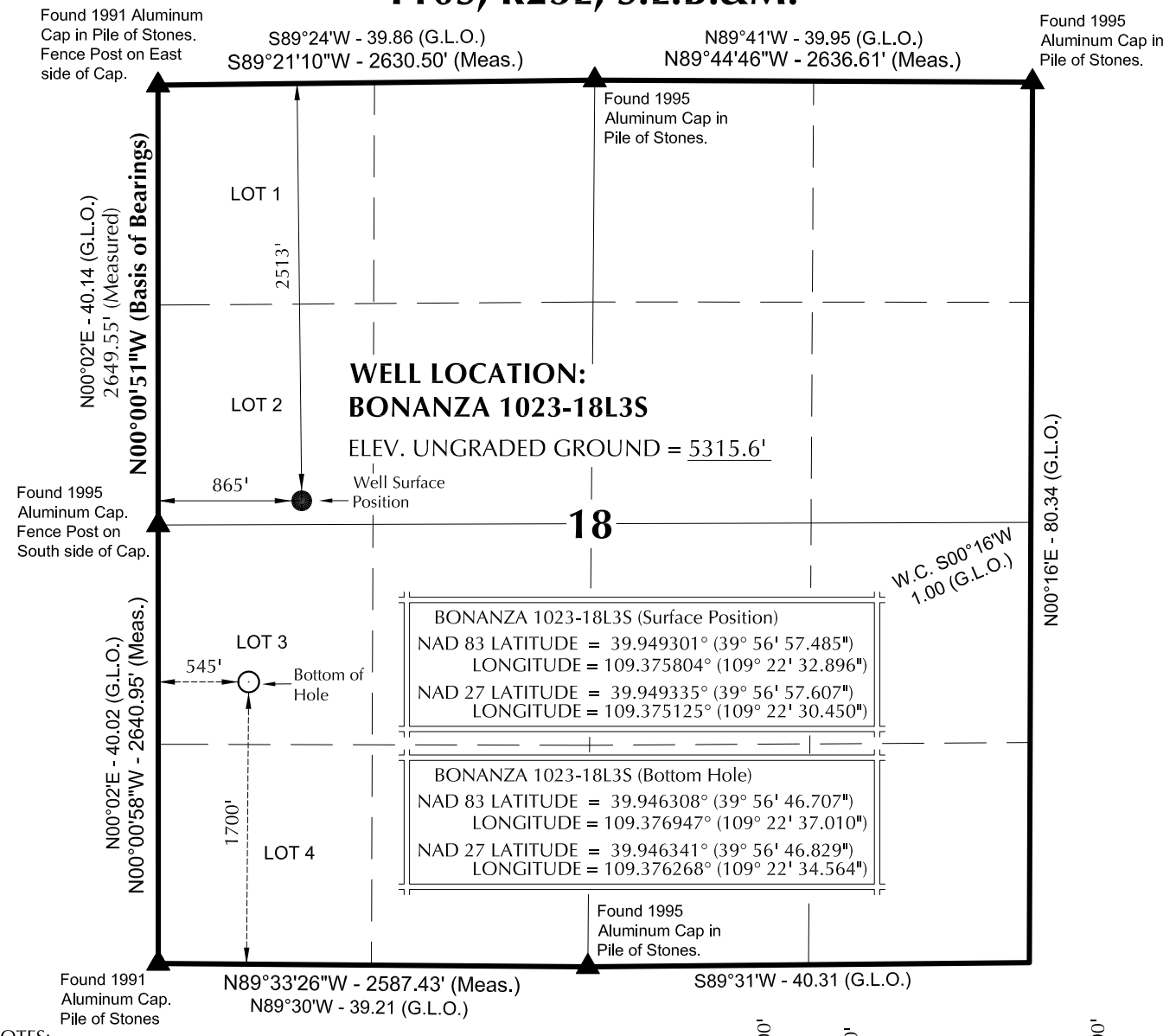
Date: February 18, 2010

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Danielle Piernot	720 929-6156	Regulatory Analyst
SIGNATURE		**DATE**
N/A		2/17/2010

RECEIVED February 17, 2010

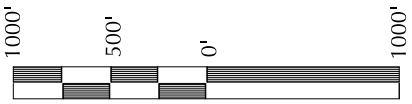
T10S, R23E, S.L.B.&M.



NOTES:

▲ = Section Corners Located

1. Well footages are measured at right angles to the Section Lines.
2. G.L.O. distances are shown in feet or chains. 1 chain = 66 feet.
3. The Bottom of hole bears S16°19'00"W 1137.00' from the Surface Position.
4. Bearings are based on Global Positioning Satellite observations.
5. Basis of elevation is Tri-Sta "Two Water" located in the NW ¼ of Section 1, T10S, R21E, S.L.B.&M. The elevation of this Tri-Sta is shown on the Big Pack Mtn NE 7.5 Min. Quadrangle as being 5238'.



SCALE

SURVEYOR'S CERTIFICATE

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

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

REGISTERED LAND SURVEYOR
REGISTRATION No. 6028691
STATE OF UTAH

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

WELL PAD - BONANZA 1023-18E2

BONANZA 1023-18L3S
WELL PLAT
1700' FSL, 545' FWL (Bottom Hole)
LOT 3 OF SECTION 18, T10S, R23E,
S.L.B.&M., UINTAH COUNTY, UTAH.

609 CONSULTING, LLC
371 Coffeen Avenue
Sheridan WY 82801
Phone 307-674-0609
Fax 307-674-0182

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

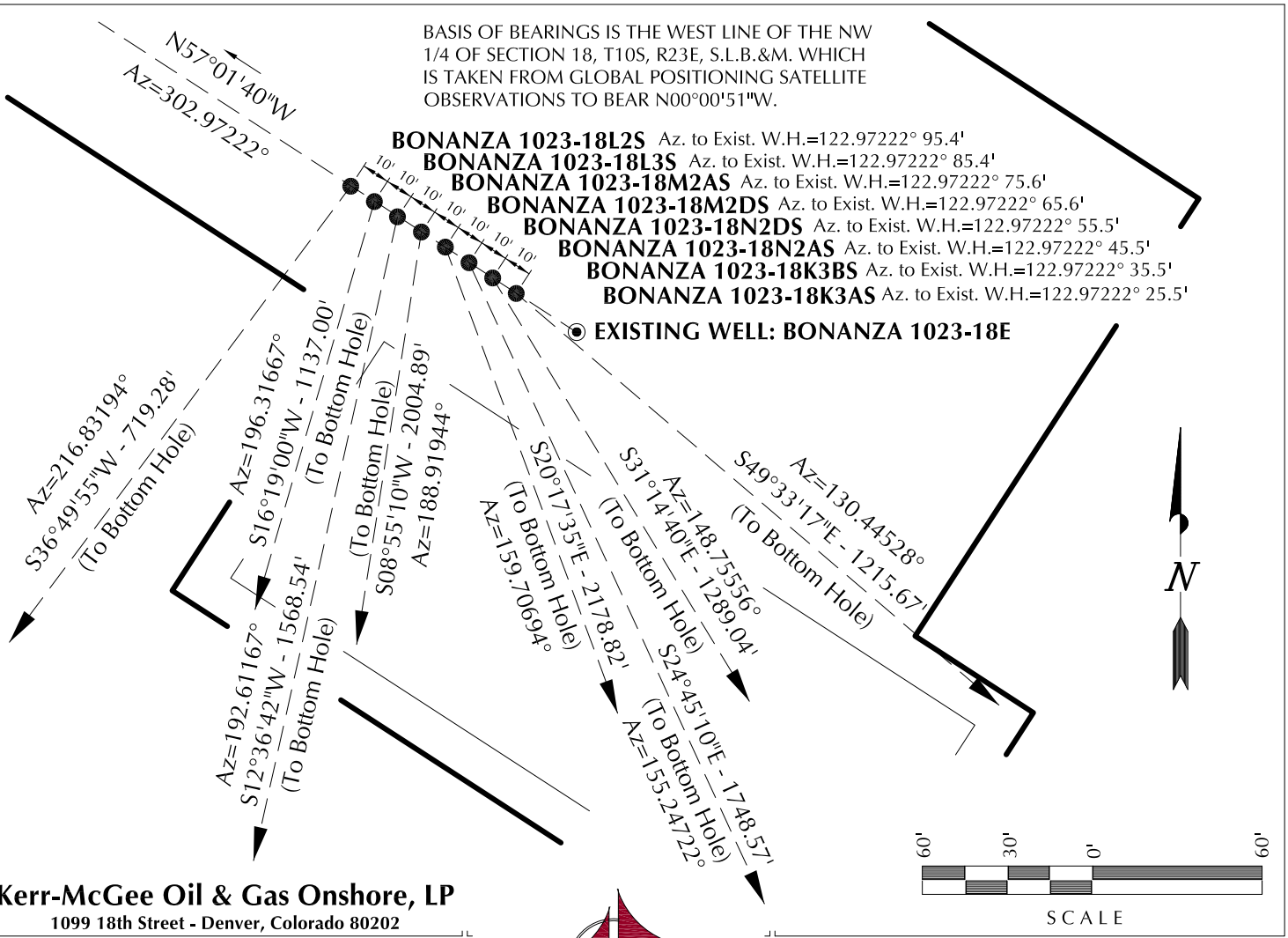
DATE SURVEYED: 08-11-09	SURVEYED BY: M.S.B.	SHEET NO: 2
DATE DRAWN: 08-12-09	DRAWN BY: M.W.W.	2 OF 19
SCALE: 1" = 1000'	Date Last Revised: 12-28-09 E.M.S.	

RECEIVED February 17, 2010

WELL NAME	SURFACE POSITION					BOTTOM HOLE				
	NAD83		NAD27			NAD83		NAD27		
	LATITUDE	LONGITUDE	LATITUDE	LONGITUDE	FOOTAGES	LATITUDE	LONGITUDE	LATITUDE	LONGITUDE	FOOTAGES
BONANZA 1023-18L2S	39°56'57.539" 39.949316°	109°22'33.004" 109.375834°	39°56'57.661" 39.949350°	109°22'30.558" 109.375155°	2508' FNL 856' FWL	39°56'51.855" 39.947738°	109°22'38.546" 109.377374°	39°56'51.977" 39.947772°	109°22'36.100" 109.376694°	2220' FSL 425' FWL
BONANZA 1023-18L3S	39°56'57.485" 39.949301°	109°22'32.896" 109.375804°	39°56'57.607" 39.949335°	109°22'30.450" 109.375125°	2513' FNL 865' FWL	39°56'46.707" 39.946308°	109°22'37.010" 109.376947°	39°56'46.829" 39.946341°	109°22'34.564" 109.376268°	1700' FSL 545' FWL
BONANZA 1023-18M2AS	39°56'57.432" 39.949287°	109°22'32.791" 109.375775°	39°56'57.554" 39.949321°	109°22'30.345" 109.375096°	2519' FNL 873' FWL	39°56'42.312" 39.945087°	109°22'37.207" 109.377002°	39°56'42.434" 39.945121°	109°22'34.761" 109.376322°	1255' FSL 530' FWL
BONANZA 1023-18M2DS	39°56'57.378" 39.949272°	109°22'32.682" 109.375745°	39°56'57.501" 39.949306°	109°22'30.236" 109.375066°	2524' FNL 881' FWL	39°56'37.813" 39.943837°	109°22'36.697" 109.376860°	39°56'37.935" 39.943871°	109°22'34.251" 109.376181°	800' FSL 570' FWL
BONANZA 1023-18N2DS	39°56'57.325" 39.949257°	109°22'32.573" 109.375715°	39°56'57.447" 39.949291°	109°22'30.127" 109.375035°	2529' FNL 890' FWL	39°56'37.127" 39.943646°	109°22'22.899" 109.373028°	39°56'37.249" 39.943680°	109°22'20.454" 109.372348°	740' FSL 1645' FWL
BONANZA 1023-18N2AS	39°56'57.270" 39.949242°	109°22'32.465" 109.375685°	39°56'57.393" 39.949276°	109°22'30.019" 109.375005°	2535' FNL 898' FWL	39°56'41.575" 39.944882°	109°22'23.088" 109.373080°	39°56'41.697" 39.944916°	109°22'20.642" 109.372401°	1190' FSL 1630' FWL
BONANZA 1023-18K3BS	39°56'57.217" 39.949227°	109°22'32.358" 109.375655°	39°56'57.339" 39.949261°	109°22'29.912" 109.374975°	2541' FNL 907' FWL	39°56'46.322" 39.946201°	109°22'23.789" 109.373275°	39°56'46.444" 39.946234°	109°22'21.344" 109.372595°	1670' FSL 1575' FWL
BONANZA 1023-18K3AS	39°56'57.163" 39.949212°	109°22'32.250" 109.375625°	39°56'57.285" 39.949246°	109°22'29.804" 109.374946°	2546' FNL 915' FWL	39°56'49.362" 39.947045°	109°22'20.385" 109.372329°	39°56'49.484" 39.947079°	109°22'17.939" 109.371650°	1980' FSL 1840' FWL
BONANZA 1023-18E	39°56'57.027" 39.949174°	109°22'31.975" 109.375549°	39°56'57.149" 39.949208°	109°22'29.529" 109.374869°	2560' FNL 937' FWL					

RELATIVE COORDINATES - From Surface Position to Bottom Hole

WELL NAME	NORTH	EAST	WELL NAME	NORTH	EAST	WELL NAME	NORTH	EAST	WELL NAME	NORTH	EAST
BONANZA 1023-18L2S	-575.7'	-431.2'	BONANZA 1023-18L3S	-1091.2'	-319.4'	BONANZA 1023-18M2AS	-1530.7'	-342.5'	BONANZA 1023-18M2DS	-1980.6'	-310.8'
BONANZA 1023-18N2DS	-2043.6'	755.7'	BONANZA 1023-18N2AS	-1587.9'	732.1'	BONANZA 1023-18K3BS	-1102.1'	668.6'	BONANZA 1023-18K3AS	-788.6'	925.2'



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

WELL PAD - BONANZA 1023-18E2

WELL PAD INTERFERENCE PLAT
WELLS - BONANZA 1023-18L2S, BONANZA 1023-18L3S, BONANZA 1023-18M2AS, BONANZA 1023-18M2DS, BONANZA 1023-18N2DS, BONANZA 1023-18N2AS, BONANZA 1023-18K3BS & BONANZA 1023-18K3AS
LOCATED IN SECTION 18, T10S, R23E, S.L.B.&M., UINTAH COUNTY, UTAH.

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TIMBERLINE (435) 789-1365
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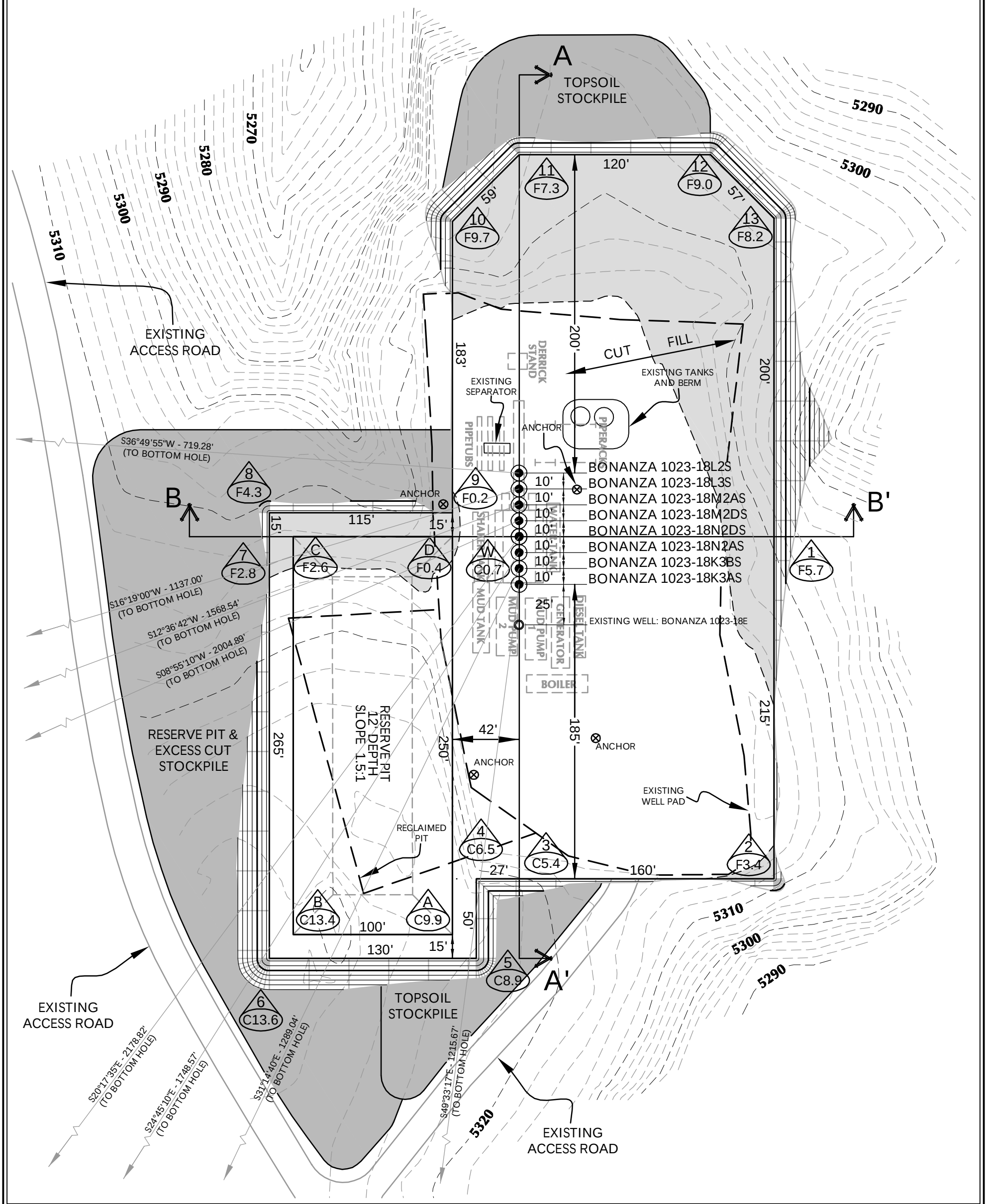
209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE SURVEYED: 08-11-09	SURVEYED BY: M.S.B.	SHEET NO: 9
DATE DRAWN: 08-12-09	DRAWN BY: M.W.W.	9 OF 19
SCALE: 1" = 60'	Date Last Revised: 12-28-09 E.M.S.	



WELL PAD - BONANZA 1023-18E2 DESIGN SUMMARY

EXISTING GRADE @ CENTER OF WELL PAD = 5315.6'
FINISHED GRADE ELEVATION = 5314.9'
CUT SLOPES = 1.5:1
FILL SLOPES = 1.5:1
TOTAL WELL PAD AREA = 3.22 ACRES
TOTAL DAMAGE AREA = 6.53 ACRES
SHRINKAGE FACTOR = 1.10
SWELL FACTOR = 1.00

WELL PAD QUANTITIES

TOTAL CUT FOR WELL PAD = 11,616 C.Y.
TOTAL FILL FOR WELL PAD = 7,280 C.Y.
TOPSOIL @ 6" DEPTH = 1,179 C.Y.
EXCESS MATERIAL = 4,336 C.Y.

RESERVE PIT QUANTITIES

TOTAL CUT FOR RESERVE PIT
+/- 8,510 CY
RESERVE PIT CAPACITY (2' OF FREEBOARD)
+/- 32,370 BARRELS

WELL PAD LEGEND

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

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

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

WELL PAD - BONANZA 1023-18E2

WELL PAD - LOCATION LAYOUT
BONANZA 1023-18L2S, BONANZA 1023-18L3S,
BONANZA 1023-18M2AS, BONANZA 1023-18M2DS,
BONANZA 1023-18N2DS, BONANZA 1023-18N2AS,
BONANZA 1023-18K3BS & BONANZA 1023-18K3AS
LOCATED IN SECTION 18, T10S, R23E,
S.L.B.&M., UINTAH COUNTY, UTAH

609 CONSULTING, LLC
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Sheridan, WY 82801
Phone 307-674-0609
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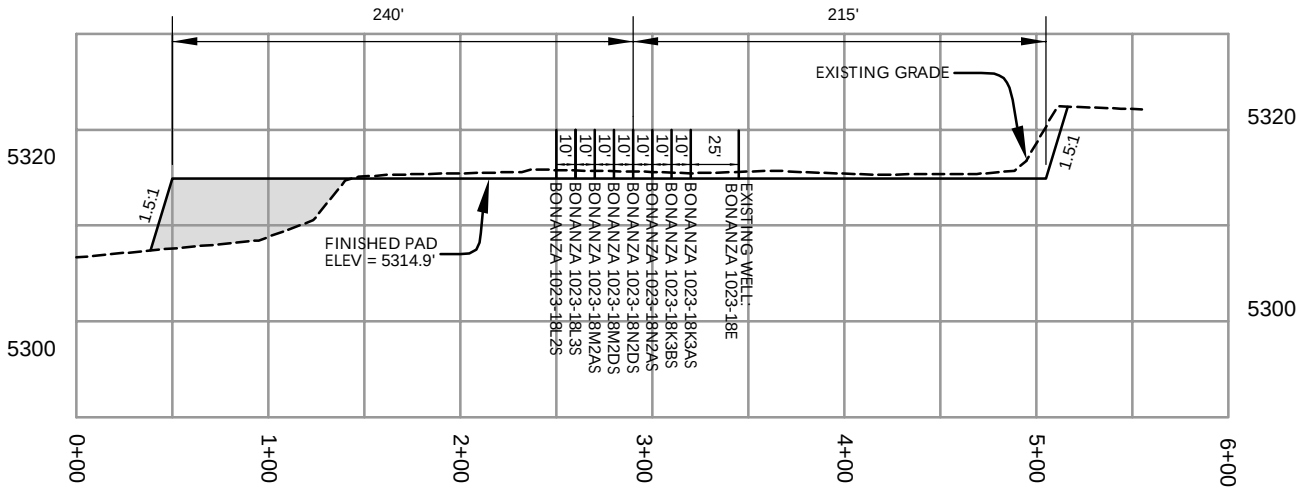
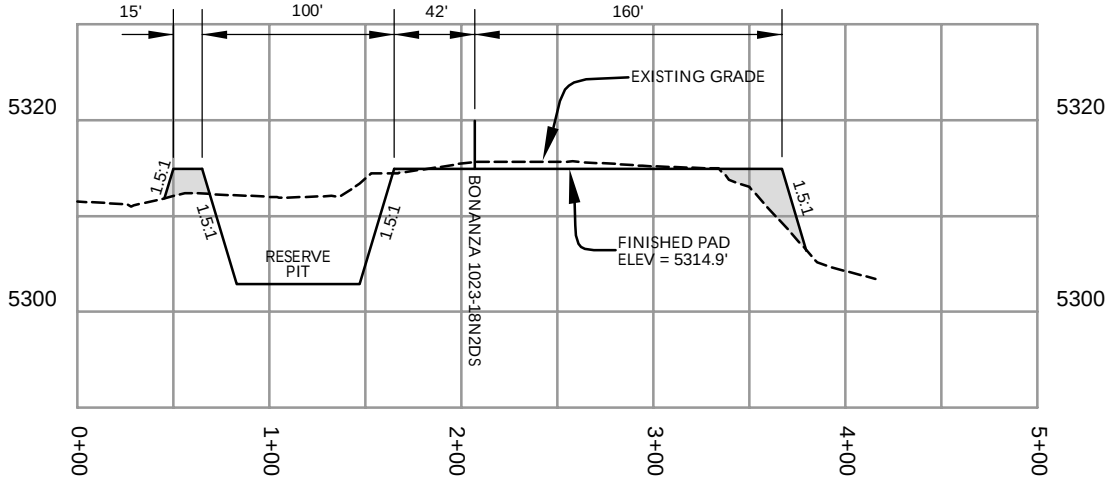
TIMBERLINE ENGINEERING & LAND SURVEYING, INC.
209 NORTH 300 WEST - VERNAL, UTAH 84078
(435) 789-1365

Scale: 1"=60' | Date: 2/11/10 | SHEET NO: 10 10 OF 19
REVISED:



CROSS SECTION A-A'



CROSS SECTION B-B'

NOTE: CROSS SECTION B-B' DEPICTS MAXIMUM RESERVE PIT DEPTH.

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

WELL PAD - BONANZA 1023-18E2

WELL PAD - CROSS SECTIONS
BONANZA 1023-18L2S, BONANZA 1023-18L3S,
BONANZA 1023-18M2AS, BONANZA 1023-18M2DS,
BONANZA 1023-18N2DS, BONANZA 1023-18N2AS,
BONANZA 1023-18K3BS & BONANZA 1023-18K3AS
LOCATED IN SECTION 18, T10S, R23E,
S.L.B.&M., UINTAH COUNTY, UTAH

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CONSULTING, LLC
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HORIZONTAL 0 50 100 1" = 100'
VERTICAL 0 10 20 1" = 20'

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209 NORTH 300 WEST - VERNAL, UTAH 84078

Scale: 1"=100' | Date: 2/11/10 | SHEET NO: 11 11 OF 19
REVISED:

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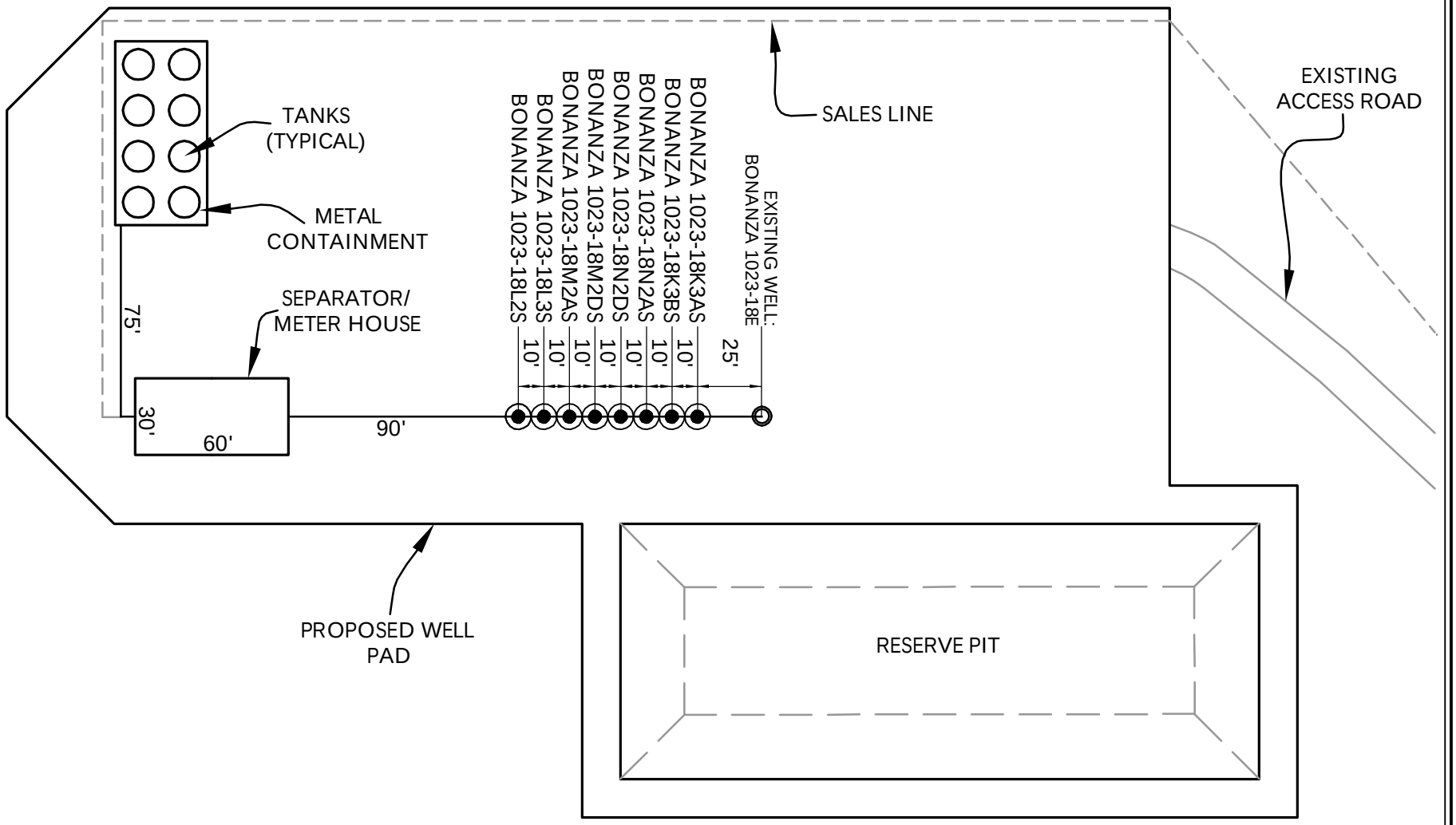
K:\ANADARKO\2009_11_NBU_Directional_UELS_Edits\DWGS\BONANZA 1023-18E2\1023-18E 12-29-09.dwg, 2/12/2010 11:58:50 AM, PDF-XChange for AcroPlot Pro



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

WELL PAD - BONANZA 1023-18E2

WELL PAD - FACILITIES DIAGRAM
BONANZA 1023-18L2S, BONANZA 1023-18L3S,
BONANZA 1023-18M2AS, BONANZA 1023-18M2DS,
BONANZA 1023-18N2DS, BONANZA 1023-18N2AS,
BONANZA 1023-18K3BS & BONANZA 1023-18K3AS
LOCATED IN SECTION 18, T10S, R23E,
S.L.B.&M., UINTAH COUNTY, UTAH

609
CONSULTING, LLC
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Sheridan, WY 82801
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HORIZONTAL 0 30' 60'
1" = 60'

WELL PAD LEGEND
EXISTING WELL LOCATION
PROPOSED WELL LOCATION
PROPOSED SALES LINE

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

Scale: 1"=60' | Date: 2/11/10 | SHEET NO: 12 12 OF 19
REVISED:

RECEIVED February 17, 2010

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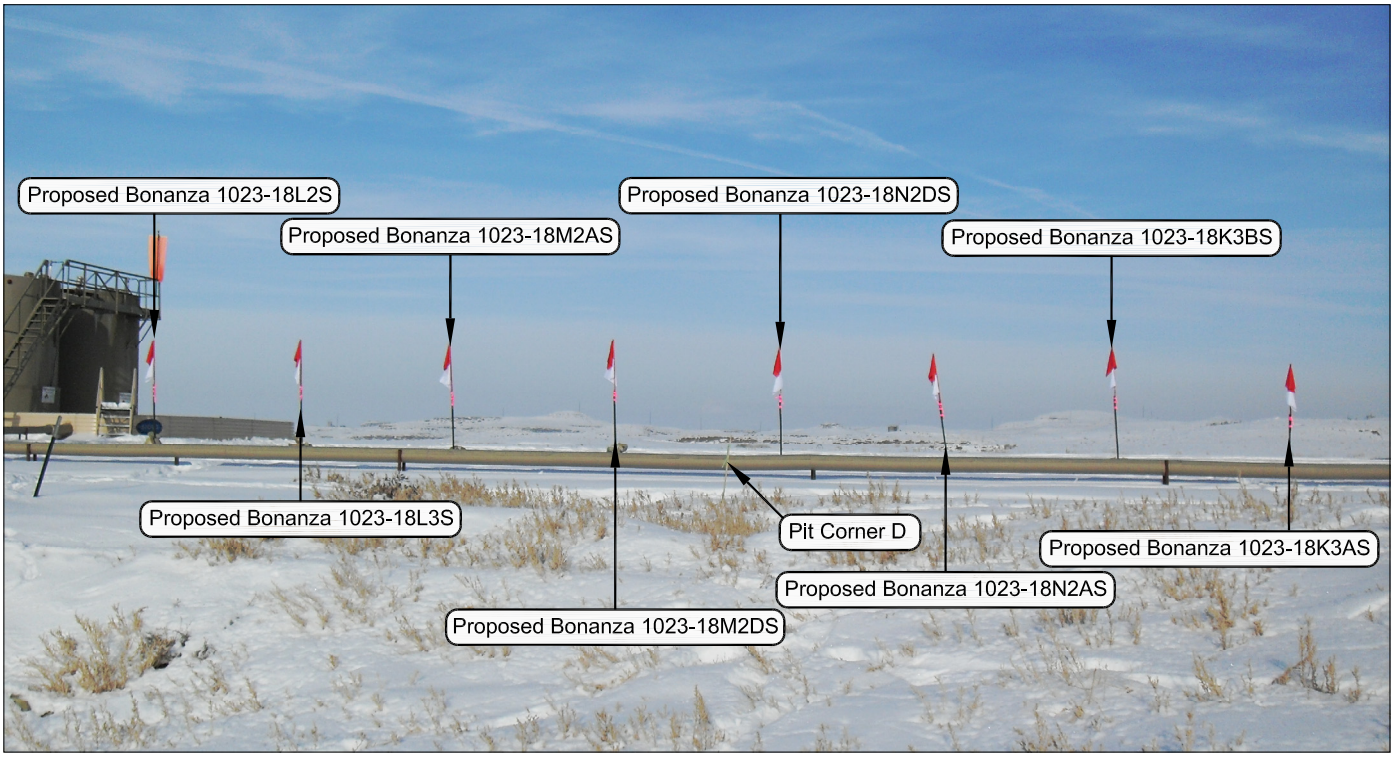

PHOTO VIEW: FROM PIT CORNER D TO LOCATION STAKE **CAMERA ANGLE: NORTHEASTERLY**

PHOTO VIEW: FROM EXISTING ACCESS ROAD **CAMERA ANGLE: NORTHWESTERLY**

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

Well Pad - BONANZA 1023-18E2

BONANZA 1023-18L2S, BONANZA 1023-18L3S, BONANZA 1023-18M2AS, BONANZA 1023-18M2DS, BONANZA 1023-18N2DS, BONANZA 1023-18N2AS, BONANZA 1023-18K3BS & BONANZA 1023-18K3AS LOCATION PHOTOS
LOCATED IN SECTION 18, T10S, R23E, S.L.B.&M., UINTAH COUNTY, UTAH.

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DATE PHOTOS TAKEN: 08-11-09	PHOTOS TAKEN BY: M.S.B.	SHEET NO: 13
DATE DRAWN: 08-12-09	DRAWN BY: M.W.W.	13 OF 19
Date Last Revised: 12-28-09 E.M.S.		

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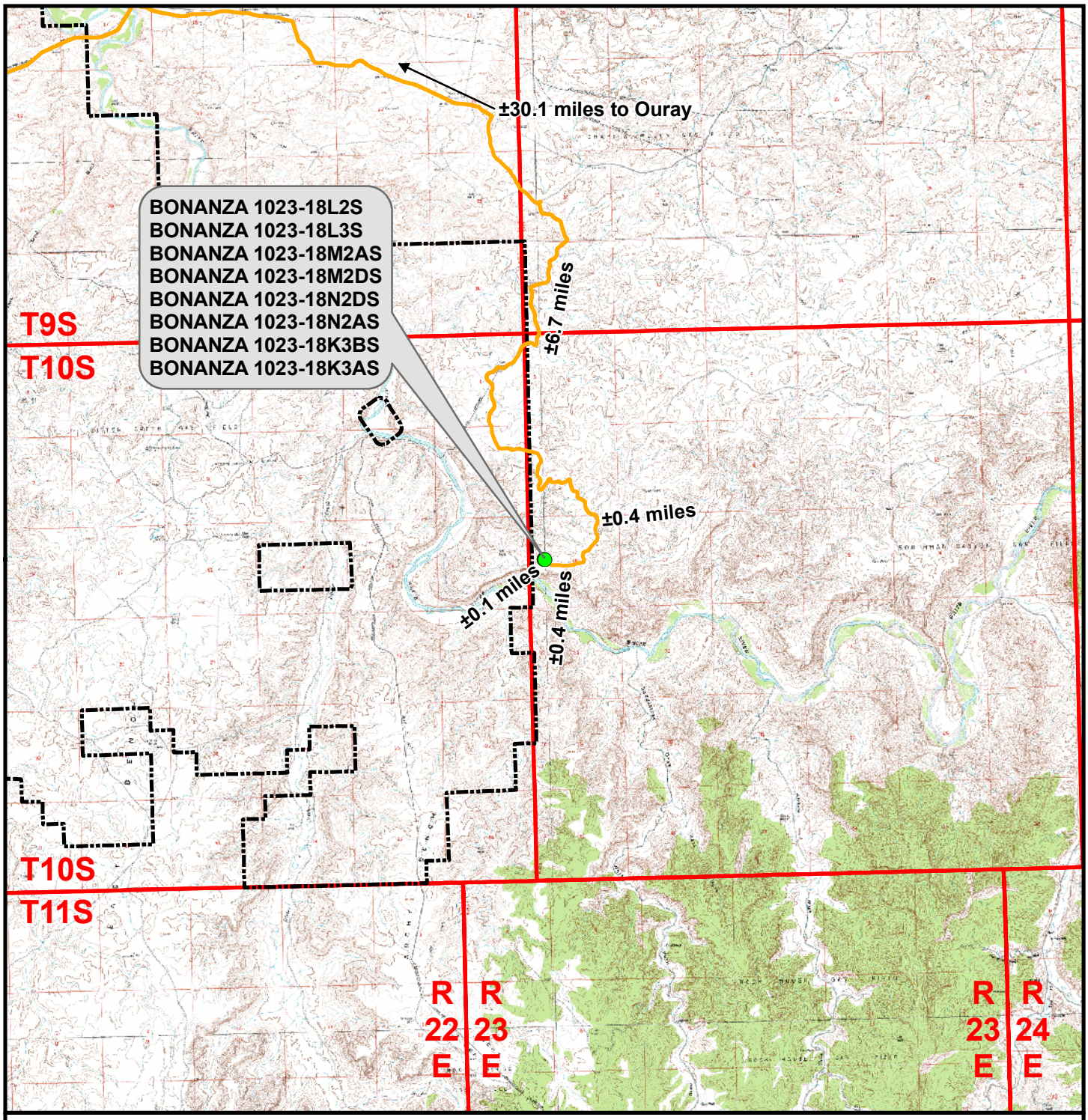

Legend

Distance From Well Pad - BONANZA 1023-18E2 To Unit Boundary: ±856ft

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

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

WELL PAD - BONANZA 1023-18E2

BONANZA 1023-18L2S, BONANZA 1023-18L3S, BONANZA 1023-18M2AS, BONANZA 1023-18M2DS, BONANZA 1023-18N2DS, BONANZA 1023-18N2AS, BONANZA 1023-18K3BS & BONANZA 1023-18K3AS
TOPO A
LOCATED IN SECTION 18, T10S, R23E
S.L.B.&M., UINTAH COUNTY, UTAH

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Scale: 1:100,000	NAD83 USP Central	Sheet No: 14 of 19	
Drawn: JELo	Date: 12 Feb 2010		
Revised:	Date:		

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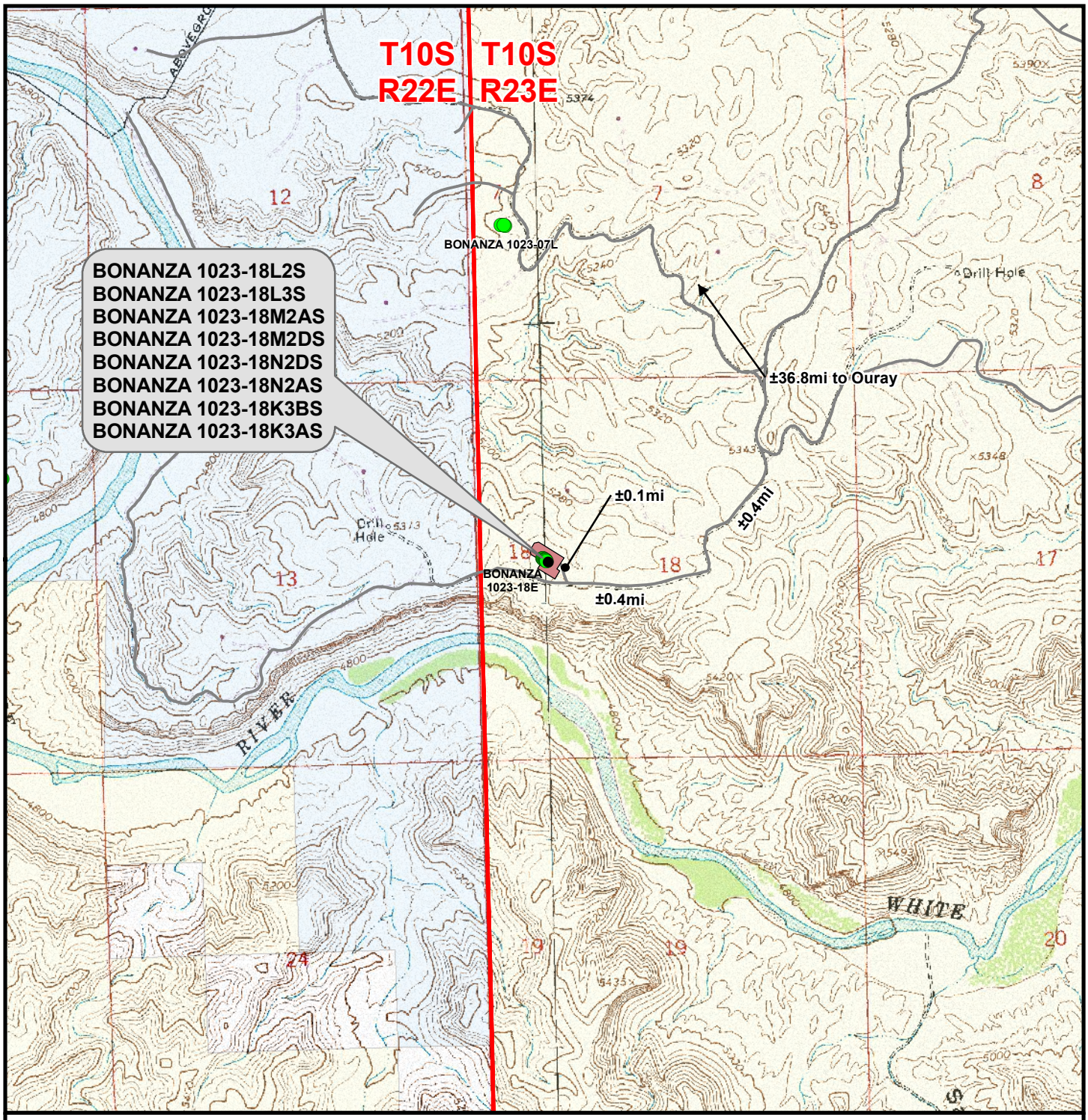

Legend

Total Proposed Road Length: ±0ft

Well - Proposed	Well Pad	Road - Proposed	Bureau of Land Management	State
Well - Existing		Road - Existing	Indian Reservation	Private

Kerr-McGee Oil & Gas Onshore, LP
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WELL PAD - BONANZA 1023-18E2

BONANZA 1023-18L2S, BONANZA 1023-18L3S, BONANZA 1023-18M2AS, BONANZA 1023-18M2DS, BONANZA 1023-18N2DS, BONANZA 1023-18N2AS, BONANZA 1023-18K3BS & BONANZA 1023-18K3AS
TOPO B
LOCATED IN SECTION 18, T10S, R23E
S.L.B.&M., UINTAH COUNTY, UTAH

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Scale: 1" = 2,000ft	NAD83 USP Central	Sheet No: 15 of 19	
Drawn: JELo	Date: 12 Feb 2010		
Revised:	Date:		

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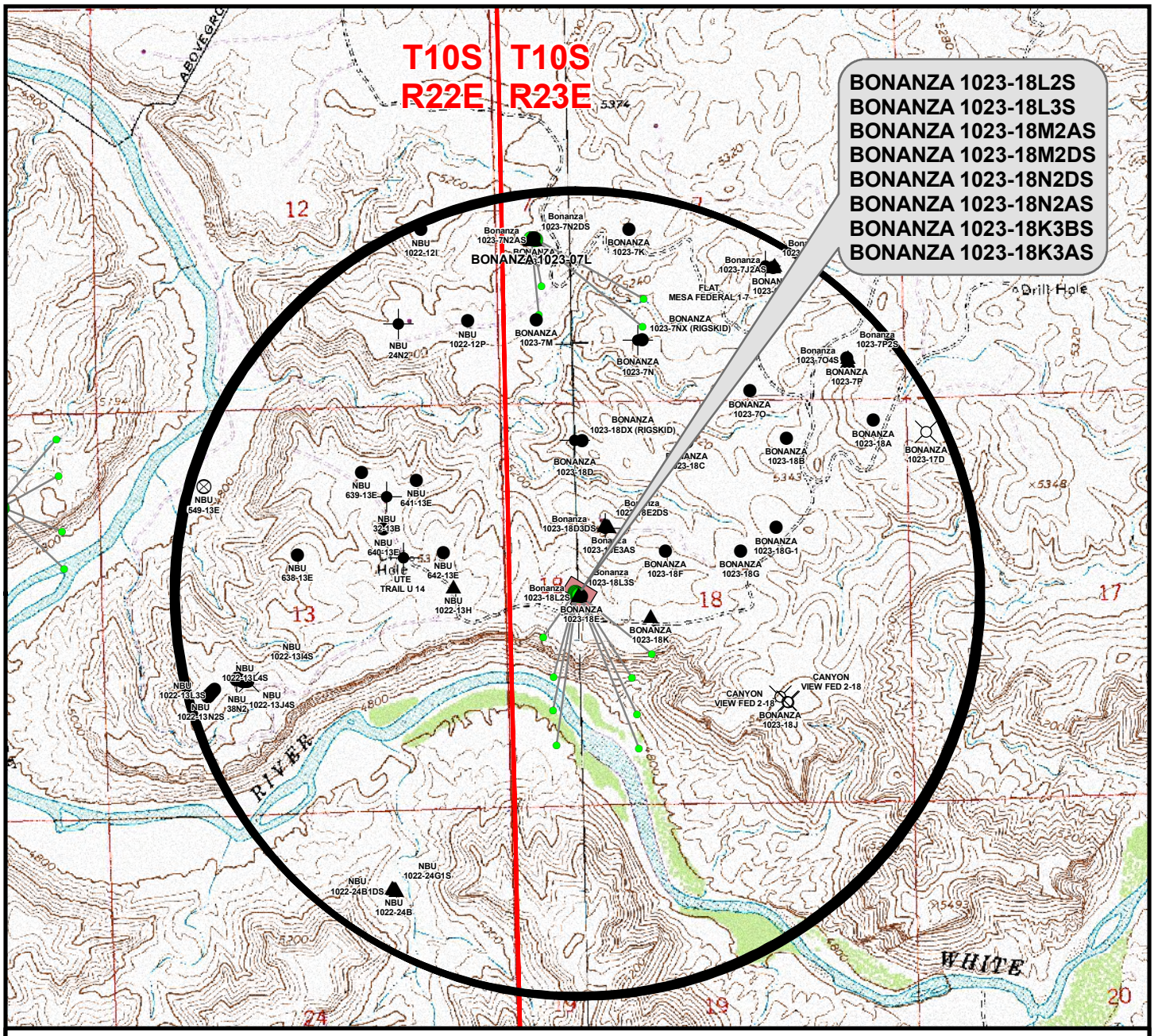

Proposed Well	Nearest Well Bore	Footage	Proposed Well	Nearest Well Bore	Footage
BONANZA 1023-18L2S	BONANZA 1023-18E	720ft	BONANZA 1023-18N2DS	BONANZA 1023-18K	1,742ft
BONANZA 1023-18L3S	BONANZA 1023-18E	1,101ft	BONANZA 1023-18N2AS	BONANZA 1023-18K	1,298ft
BONANZA 1023-18M2AS	BONANZA 1023-18E	1,529ft	BONANZA 1023-18K3BS	BONANZA 1023-18K	843ft
BONANZA 1023-18M2DS	BONANZA 1023-18E	1,964ft	BONANZA 1023-18K3AS	BONANZA 1023-18K	492ft

Legend

Well locations derived from State of Utah, Dept. of Natural Resources, Division of Oil, Gas and Mining

- Well - Proposed
- Bottom Hole - Proposed
- Well Path
- Well Pad
- Well - 1 Mile Radius

- Producing
- Active
- Spudded (Drilling commenced: Not yet completed)
- Approved permit (APD); not yet spudded
- New Permit (Not yet approved or drilled)
- Inactive
- Drilling Operations Suspended
- Temporarily-Abandoned
- Shut-In
- Plugged and Abandoned
- Location Abandoned
- Dry hole marker, buried
- Returned APD (Unapproved)

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WELL PAD - BONANZA 1023-18E2

BONANZA 1023-18L2S, BONANZA 1023-18L3S, BONANZA 1023-18M2AS, BONANZA 1023-18M2DS, BONANZA 1023-18N2DS, BONANZA 1023-18N2AS, BONANZA 1023-18K3BS & BONANZA 1023-18K3AS
TOPO C
LOCATED IN SECTION 18, T10S, R23E
S.L.B.&M., UINTAH COUNTY, UTAH

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Scale: 1" = 2,000ft	NAD83 USP Central	Sheet No: 16 of 19
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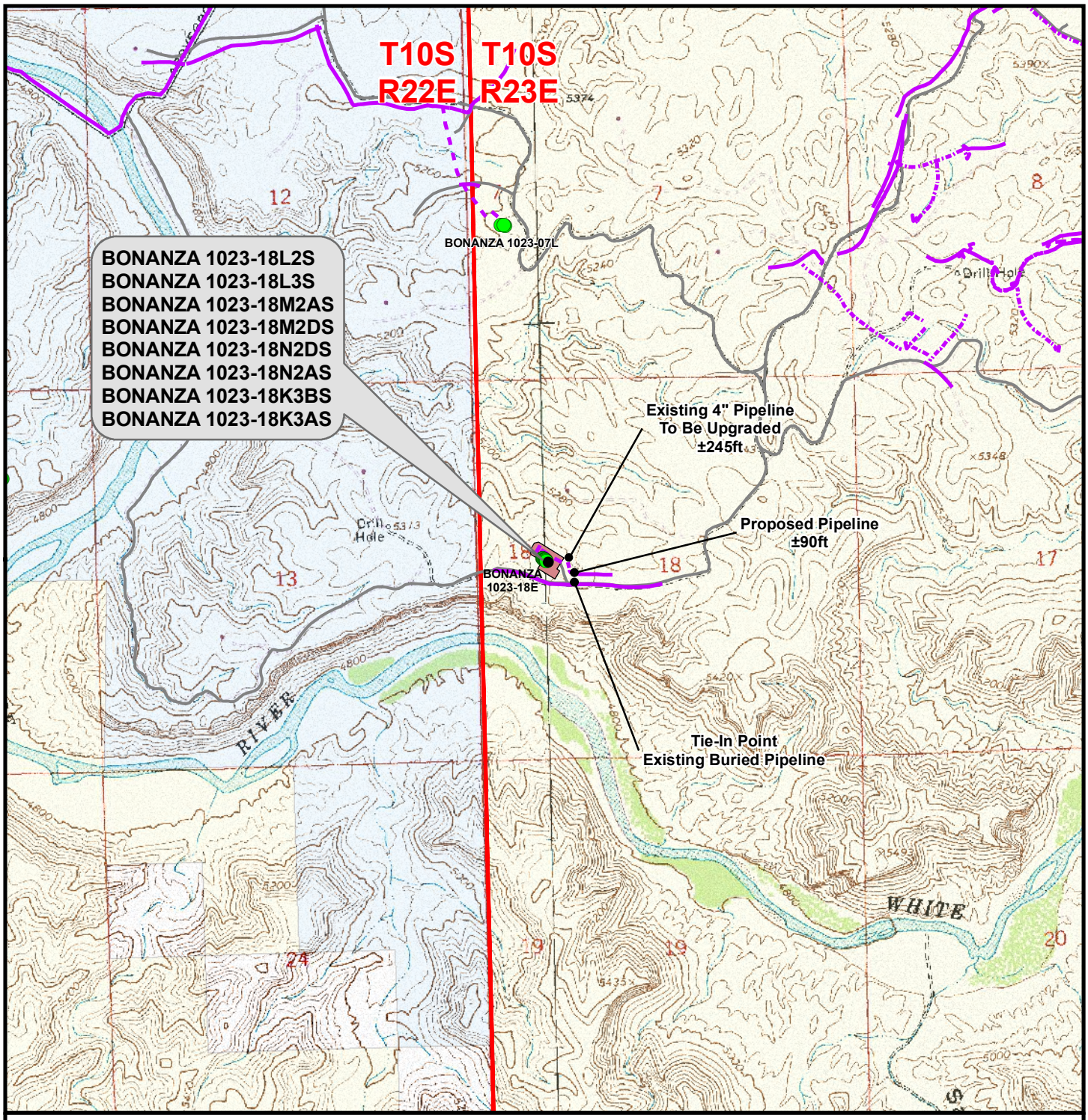

Legend

Proposed Pipeline Length From Tie-In Point To Edge Of Pad: ±335ft
Proposed Pipeline Length From Edge Of Pad To Meter House: ±625ft

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

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TOPO D
LOCATED IN SECTION 18, T10S, R23E
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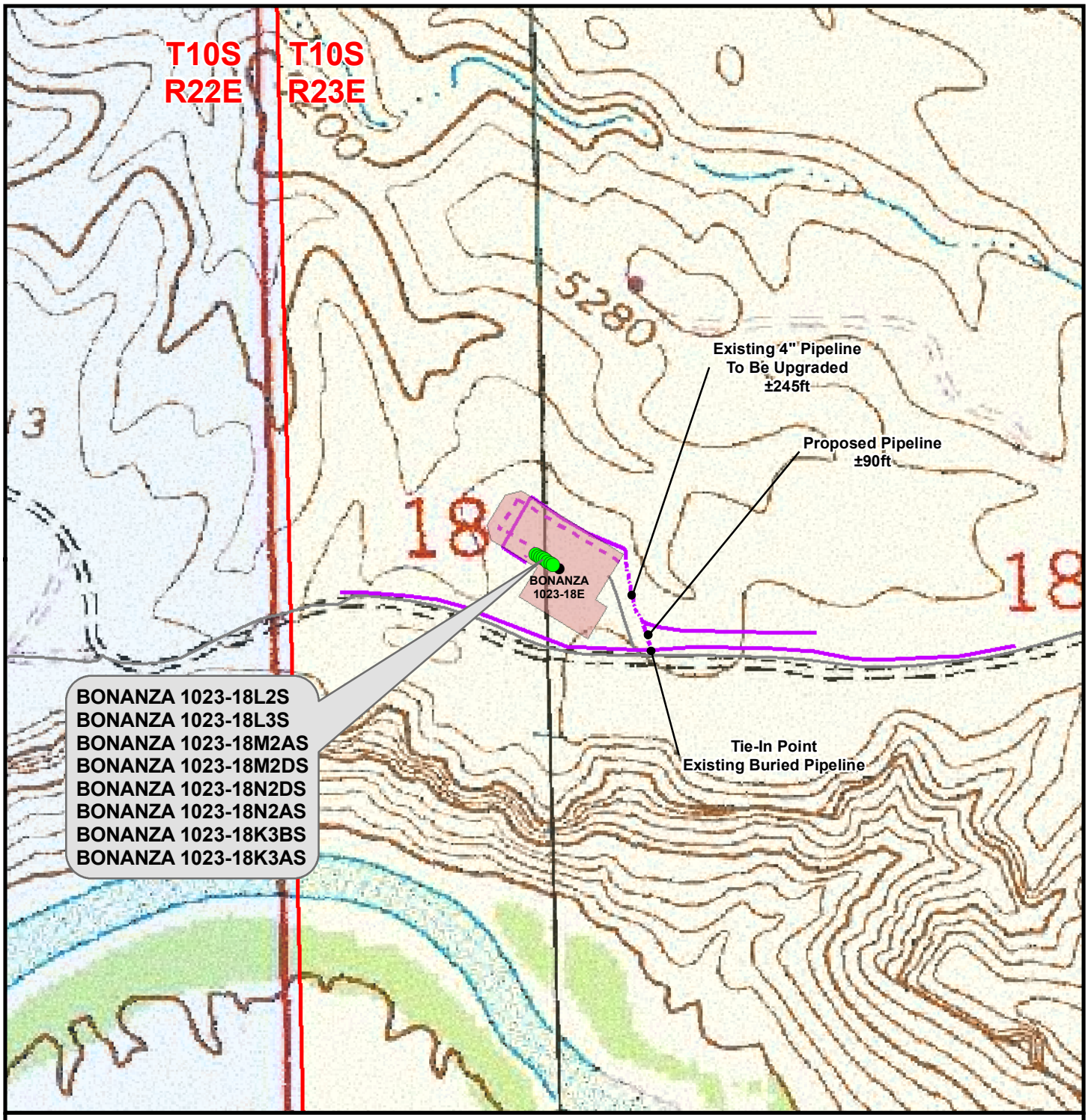
Revised:	Date:		

RECEIVED February 17, 2010



Legend

Proposed Pipeline Length From Tie-In Point To Edge Of Pad: ±335ft
Proposed Pipeline Length From Edge Of Pad To Meter House: ±625ft

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

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

WELL PAD - BONANZA 1023-18E2

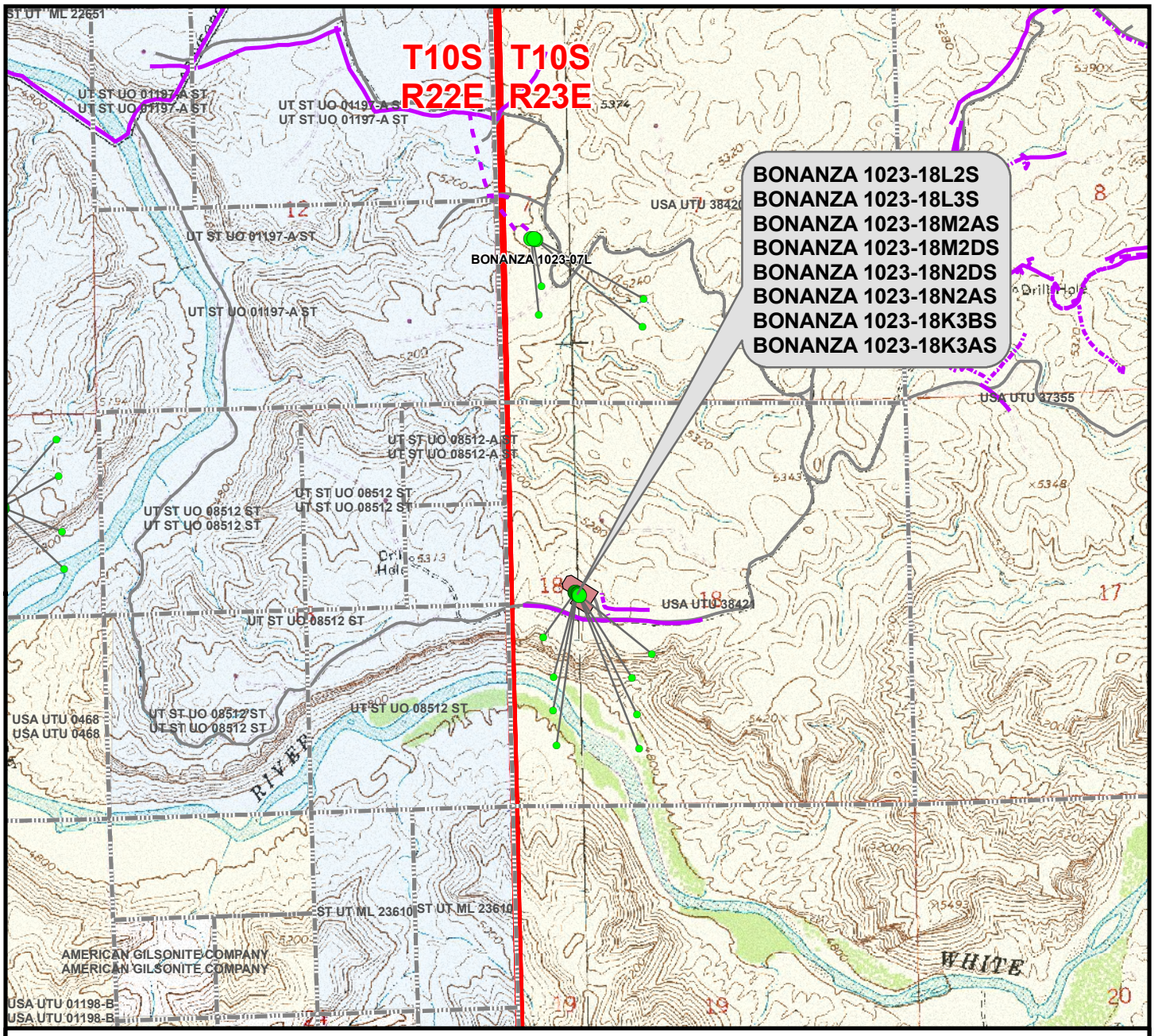
BONANZA 1023-18L2S, BONANZA 1023-18L3S,
BONANZA 1023-18M2AS, BONANZA 1023-18M2DS,
BONANZA 1023-18N2DS, BONANZA 1023-18N2AS,
BONANZA 1023-18K3BS & BONANZA 1023-18K3AS
TOPO D (PAD & PIPELINE DETAIL)
LOCATED IN SECTION 18, T10S, R23E
S.L.B.&M., UINTAH COUNTY, UTAH

609 CONSULTING, LLC
371 Coffeen Avenue
Sheridan, WY 82801
Phone (307) 674-0609
Fax (307) 674-0182

N

Scale: 1" = 500ft	NAD83 USP Central	Sheet No: 17A	
Drawn: JELo	Date: 12 Feb 2010	17A of 19	
Revised:	Date:		

RECEIVED February 17, 2010



Proposed Well	Distance To Nearest Lease Boundary
BONANZA 1023-18L2S	425ft
BONANZA 1023-18L3S	545ft
BONANZA 1023-18M2AS	530ft
BONANZA 1023-18M2DS	570ft

Proposed Well	Distance To Nearest Lease Boundary
BONANZA 1023-18N2DS	740ft
BONANZA 1023-18N2AS	1,190ft
BONANZA 1023-18K3BS	1,575ft
BONANZA 1023-18K3AS	1,840ft

Legend

Well - Proposed
Bottom Hole - Proposed
Well Path
Well Pad
Lease Boundary
Pipeline - Proposed
Pipeline - To Be Upgraded
Pipeline - Existing
Road - Proposed
Road - Existing
Bureau of Land Management
Indian Reservation
State
Private

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

WELL PAD - BONANZA 1023-18E2

BONANZA 1023-18L2S, BONANZA 1023-18L3S,
BONANZA 1023-18M2AS, BONANZA 1023-18M2DS,
BONANZA 1023-18N2DS, BONANZA 1023-18N2AS,
BONANZA 1023-18K3BS & BONANZA 1023-18K3AS
TOPO E
LOCATED IN SECTION 18, T10S, R23E
S.L.B.&M., UINTAH COUNTY, UTAH

609 CONSULTING, LLC
371 Coffeen Avenue
Sheridan, WY 82801
Phone (307) 674-0609
Fax (307) 674-0182

N

Scale: 1" = 2,000ft	NAD83 USP Central	Sheet No: 18	18 of 19
Drawn: JELo	Date: 12 Feb 2010		
Revised:	Date:		

RECEIVED February 17, 2010

Kerr-McGee Oil & Gas Onshore, LP
WELL PAD – BONANZA 1023-18E2
WELLS – BONANZA 1023-18L2S, BONANZA 1023-18L3S, BONANZA 1023-18M2AS, BONANZA 1023-18M2DS, BONANZA 1023-18N2DS, BONANZA 1023-18N2AS, BONANZA 1023-18K3BS & BONANZA 1023-18K3AS
Section 18, T10S, R23E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 13.9 MILES TO THE JUNCTION OF STATE HIGHWAY 88. EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION ALONG STATE HIGHWAY 88 APPROXIMATELY 16.8 MILES TO OURAY, UTAH. FROM OURAY, PROCEED IN A SOUTHERLY DIRECTION ALONG THE SEEP RIDGE ROAD (COUNTY B ROAD 2810) APPROXIMATELY 11.2 MILES TO THE INTERSECTION OF THE GLEN BENCH ROAD (COUNTY B ROAD 3260). EXIT LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY, THEN NORTHEASTERLY DIRECTION ALONG THE GLEN BENCH ROAD APPROXIMATELY 14.6 MILES TO THE INTERSECTION OF THE CHAPETA WELLS ROAD (COUNTY B ROAD 3410) WHICH ROAD INTERSECTION IS APPROXIMATELY 400 FEET NORTHEAST OF THE MOUNTAIN FUEL BRIDGE, AT THE WHITE RIVER. EXIT RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 4.3 MILES ALONG THE CHAPETA WELLS ROAD TO THE INTERSECTION OF THE ATCHEE WASH ROAD (COUNTY B ROAD 4240). EXIT RIGHT AND PROCEED IN A SOUTHEASTERLY, THEN SOUTHERLY, THEN SOUTHEASTERLY DIRECTION ALONG THE ATCHEE WASH ROAD APPROXIMATELY 6.7 MILES TO A CLASS D COUNTY ROAD TO THE SOUTHWEST. EXIT RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION ALONG THE CLASS D COUNTY ROAD APPROXIMATELY 0.4 MILES TO A SECOND CLASS D COUNTY ROAD TO THE WEST. EXIT RIGHT AND PROCEED IN A WESTERLY DIRECTION ALONG THE SECOND CLASS D COUNTY ROAD APPROXIMATELY 0.4 MILES TO THE EXISTING ACCESS ROAD. EXIT RIGHT AND PROCEED IN A NORTHERLY DIRECTION ALONG THE ACCESS ROAD APPROXIMATELY 0.1 MILES TO THE BONANZA 1023-18E2 WELL PAD.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 68.4 MILES IN A SOUTHERLY DIRECTION.

RECEIVED February 17, 2010

API Well No: 43047505210000

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU 38421

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: Bonanza 1023-18L3S

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

9. API NUMBER: 43047505210000

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

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2513 FNL 0865 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 18 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 7/16/2010	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	✓ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

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

Approved by the Utah Division of Oil, Gas and Mining

Date: July 22, 2010

By:

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

RECEIVED July 14, 2010

The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources
Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047505210000

API: 43047505210000
Well Name: Bonanza 1023-18L3S
Location: 2513 FNL 0865 FWL QTR SWNW SEC 18 TWNP 100S RNG 230E MER S
Company Permit Issued to: KERR-MCGEE OIL & GAS ONSHORE, L.P.
Date Original Permit Issued: 7/16/2009

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

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

Approved by the Utah Division of Oil, Gas and Mining

Signature: Danielle Piernot **Date:** 7/14/2010
Title: Regulatory Analyst **Representing:** KERR-MCGEE OIL & GAS ONSHORE, L.P.

Date: July 22, 2010

By: Dustin Doucet

RECEIVED July 14, 2010

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU 38421

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: BONANZA 1023-18L3S

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

9. API NUMBER: 43047505210000

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

PHONE NUMBER: 720 929-6515 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2513 FNL 0865 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 18 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 7/16/2011	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	✓ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

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

Approved by the Utah Division of Oil, Gas and Mining

Date: 06/20/2011

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Gina Becker	720 929-6086	Regulatory Analyst II
SIGNATURE N/A		**DATE** 6/14/2011

RECEIVED Jun. 14, 2011

The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047505210000

API: 43047505210000
Well Name: BONANZA 1023-18L3S
Location: 2513 FNL 0865 FWL QTR SWNW SEC 18 TWNP 100S RNG 230E MER S
Company Permit Issued to: KERR-MCGEE OIL & GAS ONSHORE, L.P.
Date Original Permit Issued: 7/16/2009

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

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- **Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?** ○ **Yes** ◉ **No**
- **Has the approved source of water for drilling changed?** ○ **Yes** ◉ **No**
- **Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?** ○ **Yes** ◉ **No**
- **Is bonding still in place, which covers this proposed well?** ◉ **Yes** ○ **No**

Signature: Gina Becker **Date:** 6/14/2011
Title: Regulatory Analyst II **Representing:** KERR-MCGEE OIL & GAS ONSHORE, L.P.

RECEIVED Jun. 14, 2011

SUBMIT AS EMAIL | Print Form

BLM - Vernal Field Office - Notification Form

Operator KERR-McGEE OIL & GAS Rig Name/# BUCKET RIG
Submitted By SHEILA WOPSOCH Phone Number 435.781.7024
Well Name/Number BONANZA 1023-18L3S
Qtr/Qtr SW/NW Section 18 Township 10S Range ~~21E~~ 23E
Lease Serial Number UTU-38421
API Number 4304750521

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 07/05/2011 1200 HRS AM ☑ PM ☐

Casing – Please report time casing run starts, not cementing times.

RECEIVED
JUN 30 2011
DIV. OF OIL, GAS & MINING

- ☑ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 07/31/2011 0800 HRS AM ☑ PM ☐

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time _____ _____ AM ☐ PM ☐

Remarks ESTIMATED DATE AND TIME. PLEASE CONTACT ~~KENNY GATHINGS AT 435.781.7048 FOR MORE~~

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU 38421

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: BONANZA 1023-18L3S

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

9. API NUMBER: 43047505210000

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

PHONE NUMBER: 720 929-6515 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2513 FNL 0865 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 18 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
✓ SPUD REPORT Date of Spud: 7/8/2011	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEUDLE 10 PIPE. CMT W/28 SX READY MIX. SPUD WELL ON 07/08/2011 AT 0800 HRS.

Accepted by the Utah Division of Oil, Gas and Mining

FOR RECORD ONLY

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Sheila Wopsock	435 781-7024	Regulatory Analyst
SIGNATURE N/A		**DATE** 7/8/2011

RECEIVED Jul. 08, 2011

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

FORM 6

ENTITY ACTION FORM

Operator: KERR McGEE OIL & GAS ONSHORE LP
Operator Account Number: N 2995
Address: 1368 SOUTH 1200 EAST
city VERNAL
state UT zip 84078
Phone Number: (435) 781-7024

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304750521	BONANZA 1023-18L3S		SWNW	18	10S	23E	UINTAH
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
A	99999	18110	7/8/2011			7/20/11	
Comments: MIRU PETE MARTIN BUCKET RIG. WSMVD SPUD WELL LOCATION ON 07/08/2011 AT 0800 HRS. BHL= NWSW							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304750520	BONANZA 1023-18L2S		SWNW	18	10S	23E	UINTAH
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
A	99999	18111	7/8/2011			7/20/11	
Comments: MIRU PETE MARTIN BUCKET RIG. WSMVD SPUD WELL LOCATION ON 07/08/2011 AT 1100 HRS. BHL= NWSW							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
Comments:							

ACTION CODES:
- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

SHEILA WOPSOCK
Name (Please Print)
Signature
REGULATORY ANALYST
Title
7/8/2011
Date

RECEIVED
JUL 11 2011
DIV. OF OIL, GAS & MINING

(5/2000)

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU 38421

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: BONANZA 1023-18L3S

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

9. API NUMBER: 43047505210000

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

PHONE NUMBER: 720 929-6515 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2513 FNL 0865 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 18 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
✓ DRILLING REPORT Report Date: 7/29/2011	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

MIRU AIR RIG ON JULY 28, 2011. DRILLED SURFACE HOLE TO 2160'. RAN SURFACE CASING AND CEMENTED. WELL IS WAITING ON ROTARY RIG. DETAILS OF CEMENT JOB WILL BE INCLUDED WITH WELL COMPLETION REPORT.

Accepted by the Utah Division of Oil, Gas and Mining

FOR RECORD ONLY

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Gina Becker	720 929-6086	Regulatory Analyst II
SIGNATURE N/A		**DATE** 8/1/2011

RECEIVED Aug. 01, 2011

Federal Approval of this Action is Necessary

FORM 9

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

5.LEASE DESIGNATION AND SERIAL NUMBER:
UTU 38421

SUNDRY NOTICES AND REPORTS ON WELLS

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6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
BONANZA 1023-18L3S

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

9. API NUMBER:
43047505210000

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

PHONE NUMBER:
720 929-6515 Ext

9. FIELD and POOL or WILDCAT:
NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
2513 FNL 0865 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SWNW Section: 18 Township: 10.0S Range: 23.0E Meridian: S

COUNTY:
UINTAH

STATE:
UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ **NOTICE OF INTENT** Approximate date work will start: 10/10/2011	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	✓ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ **SUBSEQUENT REPORT** Date of Work Completion:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ **SPUD REPORT** Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ **DRILLING REPORT** Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

The operator requests changes to the production casing and the drilling program to allow for the use of a closed loop system. Please see attached drilling plan and explanation. Thank you.

Accepted by the Utah Division of Oil, Gas and Mining

Date: 10/12/2011

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Jaime Scharnowske	720 929-6304	Regulartory Analyst
SIGNATURE N/A		**DATE** 10/10/2011

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

BONANZA 1023-18L3S

Surface: 2513 FNL / 865 FWL SWNW
BHL: 1700 FSL / 545 FWL NWSW

Section 18 T10S R23E

Uintah County, Utah
Mineral Lease: UTU-38421

ONSHORE ORDER NO. 1

DRILLING PROGRAM

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

Formation	Depth	Resource
Uinta	0 - Surface	
Green River	0,814'	
Birds Nest	1,266'	Water
Mahogany	1,746'	Water
Wasatch	3,995'	Gas
Mesaverde	6,065'	Gas
MVU2	6,958'	Gas
MVL1	7,596'	Gas
TVD	8,230'	
TD	8,431'	

3. Pressure Control Equipment (Schematic Attached)

Please refer to the attached Drilling Program

4. Proposed Casing & Cementing Program:

Please refer to the attached Drilling Program

5. Drilling Fluids Program:

Please refer to the attached Drilling Program

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6. Evaluation Program:

Please refer to the attached Drilling Program

7. Abnormal Conditions:

Maximum anticipated bottom hole pressure calculated at 8230' TVD, approximately equals 5,020 psi (0.61 psi/ft = actual bottomhole gradient)

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

Maximum anticipated surface pressure equals approximately 3,231 psi (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot, per Onshore Order No. 2).

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

8. Anticipated Starting Dates:

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

9. Variances:

Please refer to the attached Drilling Program.
Onshore Order #2 – Air Drilling Variance

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

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

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

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

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

Background

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

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

The air rig is then mobilized to drill the surface casing hole by drilling a 12 1/4 inch hole for the first 200 feet, then will drill a 11inch hole to just above the Bird's Nest interval with an air hammer. The hammer is then tripped and replaced with a 11 inch tri-cone bit. The tri-cone bit is used to drill to the surface casing point, approximately 500 feet below the loss circulation zone (Bird's Nest). The 8-5/8 inch surface casing is then run and cemented in place, thereby isolating the lost circulation zone.

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

Variance for BOPE Requirements

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

Variance for Mud Material Requirements

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

Variance for Special Drilling Operation (surface equipment placement) Requirements

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

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

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

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

Variance for FIT Requirements

KMG also respectfully requests a variance to Onshore Order 2, Section III, Part Bi, for the pressure integrity test (PIT, also known as a formation integrity test (FIT)). This well is not an exploratory well and is being drilled in an area where the formation integrity is well known. Additionally, when an FIT is run with the mud weight as required, the casing shoe frequently breaks down and causes subsequent lost circulation when drilling the entire depth of the well.

Conclusion

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

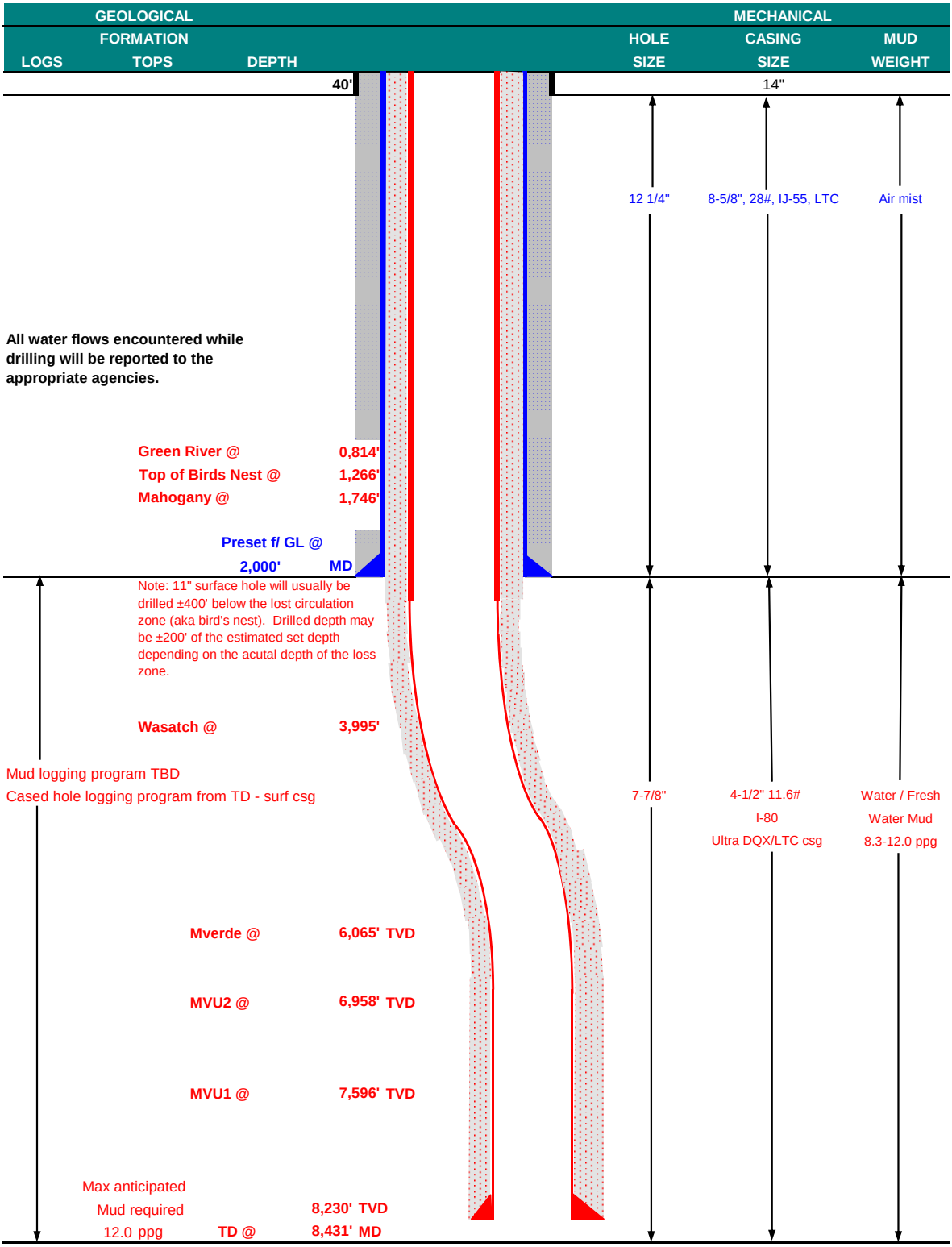
10. Other Information:

Please refer to the attached Drilling Program.

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP	DATE	October 10, 2011
WELL NAME	**BONANZA 1023-18L3S**	TD	8,230' TVD 8,431' MD
FIELD	Natural Buttes	COUNTY Uintah STATE Utah	FINISHED ELEVATION 5,316'
SURFACE LOCATION	SWNW 2513 FNL 865 FWL	Sec 18 T 10S R 23E	Lot 2
	Latitude: 39.949301	Longitude: -109.375804	NAD 83
BTM HOLE LOCATION	NWSW 1700 FSL 545 FWL	Sec 18 T 10S R 23E	Lot 3
	Latitude: 39.946308	Longitude: -109.376947	NAD 83
OBJECTIVE ZONE(S)	Wasatch/Mesaverde		
ADDITIONAL INFO	Regulatory Agencies: BLM (Minerals), BLM (Surface), UDOGM Tri-County Health Dept.		



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KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL			WT.	GR.	CPLG.	DESIGN FACTORS BURST	COLLAPSE	LTC	DQX TENSION
CONDUCTOR	14"	0-40'									
								3,520	2,020	453,000	N/A
SURFACE	8-5/8"	0	to	2,000	36.00	IJ-55	LTC	2.81	2.16	7.18	N/A
								7,780	6,350	223,000	267,035
PRODUCTION	4-1/2"	0	to	5,000	11.60	I-80	DQX	1.11	1.24		3.34
	4-1/2"	5,000	to	8,431'	11.60	I-80	LTC	1.11	1.24	6.86	

Surface Casing:

(Burst Assumptions: TD = 12.0 ppg) 0.73 psi/ft = frac gradient @ surface shoe

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

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

Production casing:

(Burst Assumptions: Pressure test with 8.4ppg @ 7000 psi) 0.61 psi/ft = bottomhole gradient

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

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500'	Premium cmt + 2% CaCl	290	60%	15.80	1.15
Option 1			+ 0.25 pps flocele				
	TOP OUT CMT (6 jobs)	1,200'	20 gals sodium silicate + Premium cmt	430	0%	15.80	1.15
			+ 2% CaCl + 0.25 pps flocele				
SURFACE		**NOTE: If well will circulate water to surface, option 2 will be utilized**					
Option 2	LEAD	1,500'	65/35 Poz + 6% Gel + 10 pps gilsonite	220	35%	11.00	3.82
			+ 0.25 pps Flocele + 3% salt BWOW				
	TAIL	500'	Premium cmt + 2% CaCl	250	35%	15.80	1.15
			+ 0.25 pps flocele				
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.80	1.15
PRODUCTION	LEAD	3,491'	Premium Lite II +0.25 pps	280	35%	11.00	3.38
			celloflake + 5 pps gilsonite + 10% gel				
			+ 0.5% extender				
	TAIL	4,940'	50/50 Poz/G + 10% salt + 2% gel	1,170	35%	14.30	1.31
			+ 0.1% R-3				

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

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

FLOAT EQUIPMENT & CENTRALIZERS

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

ADDITIONAL INFORMATION

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

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

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

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

DRILLING ENGINEER: _____ **DATE:** _____
Chad Loesel / Danny Showers

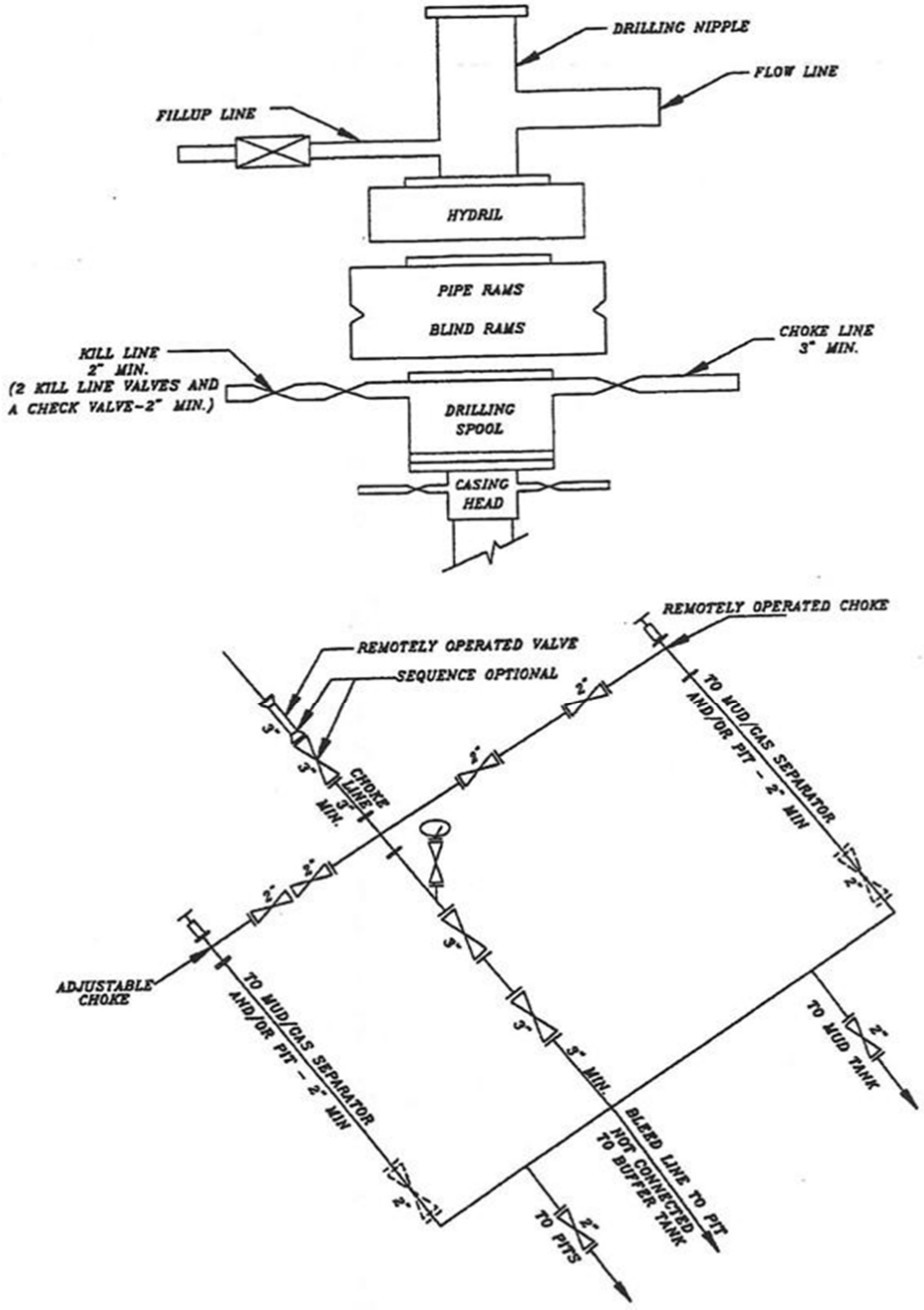
DRILLING SUPERINTENDENT: _____ **DATE:** _____
Kenny Gathings / Lovel Young

DRILLING ENGINEER: _____ **DATE:** _____
Nick Spence / Emile Goodwin

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

RECEIVED Oct. 10, 2011

EXHIBIT A
BONANZA 1023-18L3S



SCHEMATIC DIAGRAM OF 5,000 PSI BOP STACK

RECEIVED Oct. 10, 2011

Requested Drilling Options:

Kerr-McGee will use either a closed loop drilling system that will require one pit and one cuttings storage area to be constructed on the drilling pad or a traditional drilling operation with one pit used for drilling and completion operations. The cuttings storage area will be used to contain only the de-watered drill cuttings and will be lined and bermed to prevent any liquid runoff. The drill cuttings will be buried in the completion pit once completion operations are completed according to traditional pit closure standards. The pit will be constructed to allow for completion operations. The completion operations pit will be lined with a synthetic material 20 mil or thicker and will be used for the completing of the wells on the pad or used as part of our Aandarko Completions Transportation System (ACTS). Using the closed loop drilling system will allow Kerr-McGee to decrease the amount of disturbance/footprint on location compared to a single large drilling/completions pit.

If Kerr-McGee does not use a closed loop drilling system, it will construct a traditional drilling/completions pit to contain drill cuttings and for use in completion operations. The pit will be lined with a synthetic material 20 mil or thicker. The drill cuttings will be buried in the pit using traditional pit closure standards.

RECEIVED Oct. 10, 2011

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU 38421

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER: BONANZA 1023-18L3S

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

9. API NUMBER: 43047505210000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779
PHONE NUMBER: 720 929-6515 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2513 FNL 0865 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 18 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 11/20/2011	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

MIRU ROTARY RIG. FINISHED DRILLING FROM 2160' TO 8465' ON NOV. 19, 2011. RAN 4-1/2" 11.6# I-80 PRODUCTION CASING. CEMENTED PRODUCTION CASING. RELEASED ENSIGN RIG 146 ON NOV. 20, 2011 @ 14:00 HRS. DETAILS OF CEMENT JOB WILL BE INCLUDED WITH THE WELL COMPLETION REPORT. WELL IS WAITING ON FINAL COMPLETION ACTIVITIES.

Accepted by the Utah Division of Oil, Gas and Mining

FOR RECORD ONLY

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Jaime Scharnowske	720 929-6304	Regulartory Analyst
SIGNATURE N/A		**DATE** 11/21/2011

RECEIVED Nov. 21, 2011

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU 38421

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: BONANZA 1023-18L3S

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

9. API NUMBER: 43047505210000

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

PHONE NUMBER: 720 929-6526

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2513 FNL 0865 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 18 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 2/16/2012	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	✓ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

THE SUBJECT WELL WAS PLACED ON PRODUCTION ON 02/16/2012 AT 1100 HRS. THE CHRONOLOGICAL WELL HISTORY WILL BE SUBMITTED WITH THE WELL COMPLETION REPORT.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
February 21, 2012

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Sheila Wopsock	435 781-7024	Regulatory Analyst
SIGNATURE N/A		**DATE** 2/17/2012

RECEIVED: Feb. 17, 2012

Form 3160-4
(August 2007)

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. UTU38421

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.

2. Name of Operator KERR MCGEE OIL & GAS ONSHORE LP — Contact: JAIME L. SCHARNOWSKE — E-Mail: JAIME.SCHARNOWSKE@ANADARKO.COM

8. Lease Name and Well No. BONANZA 1023-18L3S

3. Address PO BOX 173779 DENVER, CO 80217

3a. Phone No. (include area code) Ph: 720-929-6304

9. API Well No. 43-047-50521

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

At surface SWNW Lot 2 2513FNL 865FWL 39.949301 N Lat, 109.375805 W Lon

At top prod interval reported below NWSW 1667FSL 581FWL BHL by HSM

At total depth NWSW Lot 3 ~~1653FSL 592FWL~~ 1686 FSL 542 FWL

10. Field and Pool, or Exploratory NATURAL BUTTES

11. Sec., T., R., M., or Block and Survey or Area Sec 18 T10S R23E Mer SLB

12. County or Parish UINTAH

13. State UT

14. Date Spudded 07/08/2011

15. Date T.D. Reached 11/19/2011

16. Date Completed ☐ D & A ☒ Ready to Prod. 02/16/2012

17. Elevations (DF, KB, RT, GL)* 5315 GL

18. Total Depth: MD 8465 TVD 8287

19. Plug Back T.D.: MD 8414 TVD 8236

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CBL/CMI/GR/CCL-RSL/SM/GR/CCL

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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20.000	14.000 STL	36.7	0	40		28			
12.250	9.625 J-55	36.0	0	2136		585		0	
7.875	4.500 I-80	11.6	0	8458		1374		2190	

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	7603							

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	WASATCH	5854	6083	5854 TO 6083	0.360	24	OPEN
B)	MESAVERDE	6780	8022	6780 TO 8022	0.360	142	OPEN
C)							
D)							

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

Depth Interval	Amount and Type of Material
5854 TO 8022	PUMP 8,662 BBLS SLICK H2O & 175,433 LBS 30/50 OTTAWA SAND

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
02/16/2012	03/03/2012	24	→	0.0	2449.0	104.0			FLOWS FROM WELL

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
20/64	1014 SI	1600.0	→	0	2449	104		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. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

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

ELECTRONIC SUBMISSION #133177 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED**

RECEIVED
MAR 20 2012
DIV. OF OIL, GAS & MINING

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	963
				BIRD'S NEST	1289
				MAHOGANY	1660
				WASATCH	4172
				MESAVERDE	6255

32. Additional remarks (include plugging procedure):
Attached is the chronological well history, perforation report & final 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 #133177 Verified by the BLM Well Information System.
For KERR MCGEE OIL & GAS ONSHORE,L, sent to the Vernal

Name *(please print)* JAIME L. SCHARNOWSKE Title REGULATORY ANALYST

Signature (Electronic Submission) Date 03/16/2012

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 fradulent statements or representations as to any matter within its jurisdiction.

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

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-18L3S PURPLE	Spud Conductor: 7/8/2011	Spud Date: 7/28/2011
Project: UTAH-UINTAH	Site: BONANZA 1023-18E2 PAD	Rig Name No: PROPETRO 12/12, ENSIGN 146/146
Event: DRILLING	Start Date: 6/7/2011	End Date: 11/20/2011
Active Datum: RKB @5,329.00usft (above Mean Sea Level)	UWI: SW/NW/0/10/S/23/E/18/0/0/26/PM/N/2513/W/0/865/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
7/28/2011	0:00 - 4:30	4.50	MIRU	01	C	P		MIRU /// DRESS TOP OF CONDUCTOR. INSTALL DIVERTER HEAD AND BOWIE LINE. BUILD DITCH. MOVE RIG OVER HOLE AND RIG UP. SET CATWALK AND PIPE RACKS. RIG UP AND PRIME MUD PUMP.
	4:30 - 6:00	1.50	DRLSUR	02	D	P		SPUD 12-1/4" SURFACE HOLE F/ 40'- T/ 210' / @ 113 FPH / WOB= 14-16K , PSI=500/400 GPM=400
	6:00 - 8:00	2.00	DRLSUR	06	A	P		TOOH,P/U & SCRIBE DIR BHA ,TIH W/12.25 BIT
	8:00 - 0:00	16.00	DRLSUR	02	D	P		DIRDRILL 12.25 SURFACE HOLE F/210' TO 1800 =102 FPH / WOB= 14-16K , PSI 1000/1250 GPM=500
7/29/2011	0:00 - 4:30	4.50	DRLSUR	02	D	P		DIRDRILL 12.25 SURFACE HOLE F/1800 TO 2160 =360 AVG 80 / WOB= 14-16K , PSI 1300/1500 GPM=500
	4:30 - 6:00	1.50	DRLSUR	05	C	P		CIRC PREP HOLE F/ CSG RUN
	6:00 - 9:30	3.50	DRLSUR	06	A	P		LDDP & DIR BHA
	9:30 - 12:00	2.50	CSG	12	C	P		RUN 48 JTS 9.625 #36 J55 LTC TO SHOE DEPTH 2125
	12:00 - 16:00	4.00	CSG	12	C	P		PUMP 120 BBLS AHEAD,20 BBLS GEL WATER,335 SX TAIL,DISPLACE 160 BBLS,BUMPPLUG FLOAT HELD,FINALLIFT 750,2- TOPJOBS 250 SX NO CEMENT BACK,RIG RELEASE @16:00 7/29/11
11/16/2011	11:00 - 12:00	1.00	MIRU	01	C	P		RIG DOWN, SKID RIG, RIG UP
	12:00 - 13:00	1.00	DRLPRO	14	A	P		N/UP BOPE
	13:00 - 17:00	4.00	DRLPRO	15	A	P		TEST BOPE, RAMS, CHOKE, CHOKE LINE, MANUAL VALVES, FLOOR VALVES, HCR & IBOP 250 LOW 5000 HIGH, ANNULAR 250 LOW 2500 HIGH, CASING 1500
	17:00 - 17:30	0.50	DRLPRO	14	B	P		SET WEARBUSHING
	17:30 - 19:30	2.00	DRLPRO	09	A	P		SLIP & CUT DRILL LINE
	19:30 - 20:00	0.50	DRLPRO	07	A	P		RIG SER
	20:00 - 22:30	2.50	DRLPRO	06	A	P		P/UP HUNTING MUD MOTOR 1.83 deg .21 RPG, VAREL VM616 BIT, RIH DIRECTIONAL TOOLS SCRIBE & ORIENT , RIH TAG CEMENT @ 2034'
	22:30 - 23:00	0.50	DRLPRO	07	B	P		CENTER & LEVEL RIG - INSTALL ROTATING HEAD
	23:00 - 0:00	1.00	DRLPRO	02	F	P		DRILL CEMENT, FE & RATHOLE F/2034' TO 2170'
11/17/2011	0:00 - 14:00	14.00	DRLPRO	02	D	P		DRILL/SLIDE F/2170' TO 4035' (1865' @ 133fph) MW 8.4, VIS 27, WOB 20, RPM 45, MM RPM 115, TQ 7/9, SPM 112, GPM 550, PSI OFF/ON 1510/1830, PU 145, SO 107, ROT 120, SLIDE 2223 2238, 2268 2276, 2313 2320, 2359 2369, 2404 2414, 2449 2457, 2494 2508, 2540 2550, 2676 2684, 2766 2774, 2857 2865, 2947 2957, 3038 3054, 3128 3140, 3219 3231, 3310 3340, 3400 3415, 3491 3505, 3582 3602, 3672 3688, 3763 3779, 3854 3870 (SLIDE 283'/3.25 hrs 23% - ROT 1582'/ 10.75hrs 77%)
	14:00 - 14:30	0.50	DRLPRO	07	A	P		RIG SER

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-18L3S PURPLE	Spud Conductor: 7/8/2011	Spud Date: 7/28/2011
Project: UTAH-UINTAH	Site: BONANZA 1023-18E2 PAD	Rig Name No: PROPETRO 12/12, ENSIGN 146/146
Event: DRILLING	Start Date: 6/7/2011	End Date: 11/20/2011
Active Datum: RKB @5,329.00usft (above Mean Sea Level)	UWI: SW/NW/0/10/S/23/E/18/0/0/26/PM/N/2513/W/0/865/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	14:30 - 0:00	9.50	DRLPRO	02	D	P		DRILL/SLIDE F/4035' TO 5285' (1250' @ 131fph) MW 8.4, VIS 27, WOB 20, RPM 45, MM RPM 115, TQ 8/10, SPM 112, GPM 550, PSI OFF/ON 1825/2250, PU 190, SO 128, ROT 151, SLIDE 4035 4050, 4128 4142, 4397 4405, 4488 4498, 4579 4591, 4669 4684, 4760 4774, 4851 4865 (SLIDE 104'/1.5 hrs 15% - ROT 1146'/8 hrs 85%)
11/18/2011	0:00 - 14:00	14.00	DRLPRO	02	D	P		DRILL/SLIDE F/5285' TO 6755' (1470' @ 105fph) MW 8.4, VIS 27, WOB 20, RPM 35, MM RPM 102, TQ 10/12, SPM 100, GPM 490, PSI OFF/ON 1530/1880, PU 185, SO 140, ROT 167, SLIDE 5576 5590, 5666 5680 (SLIDE 28'/.50 hrs 3% - ROT 1442'/13.5 hrs 97%)
	14:00 - 14:30	0.50	DRLPRO	07	A	P		RIG SER
	14:30 - 0:00	9.50	DRLPRO	02	D	P		DRILL/SLIDE F/6755' TO 7330' (575' @ 60fph) MW 10.0, VIS 32, WOB 20, RPM 35, MM RPM 102, TQ 10/12, SPM 100, GPM 490, PSI OFF/ON 1825/2100, PU 243, SO 135, ROT 180, SLIDE 6845 6860, 7299N 7314 (SLIDE 30'/1 hr 10% - ROT 545'/8.5 hrs 90%)
11/19/2011	0:00 - 13:00	13.00	DRLPRO	02	D	P		DRILL/SLIDE F/7330' TO 8387' (1057' @ 81fph) MW 11.4, VIS 41, WOB 22/24, RPM 35, MM RPM 102, TQ 10/14, SPM 100, GPM 490, PSI OFF/ON 2325/2610, PU 252, SO 151, ROT 180 (ROT 100%)
	13:00 - 13:30	0.50	DRLPRO	07	A	P		RIG SER
	13:30 - 15:00	1.50	DRLPRO	02	D	P		DRILL/SLIDE F/8387' TO 8465' (78' @ 52fph) MW 11.4, VIS 41, WOB 22/24, RPM 35, MM RPM 102, TQ 10/14, SPM 100, GPM 490, PSI OFF/ON 2325/2610, PU 252, SO 151, ROT 180 (ROT 100%)
	15:00 - 16:30	1.50	DRLPRO	05	C	P		CIRC
	16:30 - 22:30	6.00	DRLPRO	06	D	P		POOH FOR PROD CASING, BACKREAM F/8465' TO 8387' - CONTINUE POOH , L/DN MUD MOTOR & BIT (NO PROBLEMS ON POOH)
	22:30 - 23:00	0.50	DRLPRO	14	B	P		RETRIEVE WEARBUSHING
	23:00 - 0:00	1.00	DRLPRO	12	C	P		HPJSM, R/UP FRANKS & RUN 202 JOINTS 4.5" 11.60 I-80 BTC CASING FLOAT SHOE 8457', FLOAT COLLAR 8412', MESA MKR 6205', WASATCH MKR 4124'
11/20/2011	0:00 - 7:30	7.50	CSG	12	C	P		RUN 202 JOINTS 4.5" 11.60 I-80 BTC CASING FLOAT SHOE 8457', FLOAT COLLAR 8412', MESA MKR 6205', WASATCH MKR 4124
	7:30 - 8:30	1.00	CSG	05	D	P		CIRC
	8:30 - 11:30	3.00	CSG	12	E	P		HPJSM, R/UP BJ & CEMENT 4.5" PROD CASING, TEST LINES 5000 PSI, PUMP 25 BBLS FRESH WATER, 454 SKS LEAD 11.9 PPG 2.36 YIELD, TAIL 920 SKS 14.3 PPG, 1.31 YIELD, DROPPED PLUG & DISPLACED W/130 BBLS FRESH WATER W/0.1 gal/bbl CLAYFIX II & 0.01 gal/bbl ALDACIDE G @ 2279 PSI, BUMPED PLUG @ 2913 PSI - FLOATS HELD W/1.25 BBLS RETURN, GOOD RETURNS DURING CMT JOB W/17 BBLS LEAD CEMENT TO SURFACE - R/DN BJ
	11:30 - 12:00	0.50	CSG	12	C	P		SET C-22 SLIPS W/90K STRING WT - WEATHERFORD VANN SCOTT

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-18L3S PURPLE	Spud Conductor: 7/8/2011	Spud Date: 7/28/2011	
Project: UTAH-UINTAH	Site: BONANZA 1023-18E2 PAD		Rig Name No: PROPETRO 12/12, ENSIGN 146/146
Event: DRILLING	Start Date: 6/7/2011		End Date: 11/20/2011
Active Datum: RKB @5,329.00usft (above Mean Sea Level)	UWI: SW/NW/0/10/S/23/E/18/0/0/26/PM/N/2513/W/0/865/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	12:00 - 14:00	2.00	CSG	12		P		N/DN BOPE, ROUGH CUT CASING, CLEAN RIG TANKS, RELEASE RIG @ 14:00

1 General

1.1 Customer Information

Company	US ROCKIES REGION
Representative	
Address	

1.2 Well/Wellbore Information

Well	BONANZA 1023-18L3S PURPLE	**Wellbore No.**	OH
Well Name	BONANZA 1023-18L3S	**Wellbore Name**	BONANZA 1023-18L3S
Report No.	1	**Report Date**	1/4/2012
Project	UTAH-UINTAH	**Site**	BONANZA 1023-18E2 PAD
Rig Name/No.		**Event**	COMPLETION
Start Date	1/4/2012	**End Date**	1/27/2012
Spud Date	7/28/2011	**Active Datum**	RKB @5,329.00usft (above Mean Sea Level)
UWI	SW/NW/0/10/S/23/E/18/0/0/26/PM/N/2513/W/0/865/0/0		

1.3 General

Contractor	CASED HOLE SOLUTIONS	**Job Method**		**Supervisor**	ED GUDAC
Perforated Assembly	PRODUCTION CASING	**Conveyed Method**			

1.4 Initial Conditions

Fluid Type		**Fluid Density**	
Surface Press		**Estimate Res Press**	
TVD Fluid Top		**Fluid Head**	
Hydrostatic Press		**Press Difference**	
Balance Cond	NEUTRAL		

1.5 Summary

Gross Interval	5,854.0 (usft)-8,022.0 (usft	**Start Date/Time**	1/2/2011 12:00AM
No. of Intervals	28	**End Date/Time**	1/2/2011 12:00AM
Total Shots	166	**Net Perforation Interval**	46.00 (usft)
Avg Shot Density	3.61 (shot/ft)	**Final Surface Pressure**	
		Final Press Date	

2 Intervals

2.1 Perforated Interval

Date	Formation/ Reservoir	CCL@ (usft)	CCL-TS (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diameter (in)	Carr Type /Carr Manuf	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
1/2/2011 12:00AM	WASATCH/			5,854.0	5,857.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	

2.1 Perforated Interval (Continued)

Date	Formation/ Reservoir	CCL@ (usft)	CCL-TS (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diameter (in)	Carr Type /Carr Manuf	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
1/2/2011 12:00AM	WASATCH/			6,080.0	6,083.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	
1/2/2011 12:00AM	MESA VERDE/			6,780.0	6,782.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	
1/2/2011 12:00AM	MESA VERDE/			6,814.0	6,815.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	
1/2/2011 12:00AM	MESA VERDE/			6,826.0	6,827.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	
1/2/2011 12:00AM	MESA VERDE/			6,850.0	6,851.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	
1/2/2011 12:00AM	MESA VERDE/			6,892.0	6,893.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	
1/2/2011 12:00AM	MESA VERDE/			7,004.0	7,005.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	
1/2/2011 12:00AM	MESA VERDE/			7,034.0	7,035.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	
1/2/2011 12:00AM	MESA VERDE/			7,064.0	7,065.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	
1/2/2011 12:00AM	MESA VERDE/			7,146.0	7,147.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	
1/2/2011 12:00AM	MESA VERDE/			7,172.0	7,173.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	
1/2/2011 12:00AM	MESA VERDE/			7,202.0	7,203.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	
1/2/2011 12:00AM	MESA VERDE/			7,258.0	7,260.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
1/2/2011 12:00AM	MESA VERDE/			7,290.0	7,291.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	
1/2/2011 12:00AM	MESA VERDE/			7,340.0	7,341.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	
1/2/2011 12:00AM	MESA VERDE/			7,372.0	7,373.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	
1/2/2011 12:00AM	MESA VERDE/			7,420.0	7,421.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	
1/2/2011 12:00AM	MESA VERDE/			7,498.0	7,501.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	
1/2/2011 12:00AM	MESA VERDE/			7,578.0	7,581.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	
1/2/2011 12:00AM	MESA VERDE/			7,634.0	7,636.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
1/2/2011 12:00AM	MESA VERDE/			7,672.0	7,674.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	

2.1 Perforated Interval (Continued)

Date	Formation/ Reservoir	CCL@ (usft)	CCL-TS (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diameter (in)	Carr Type /Carr Manuf	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
1/2/2011 12:00AM	MESA VERDE/			7,702.0	7,704.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
1/2/2011 12:00AM	MESA VERDE/			7,730.0	7,732.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
1/2/2011 12:00AM	MESA VERDE/			7,908.0	7,910.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
1/2/2011 12:00AM	MESA VERDE/			7,931.0	7,933.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
1/2/2011 12:00AM	MESA VERDE/			7,945.0	7,947.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
1/2/2011 12:00AM	MESA VERDE/			8,020.0	8,022.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	

3 Plots

3.1 Wellbore Schematic

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-18L3S PURPLE	Spud Conductor: 7/8/2011	Spud Date: 7/28/2011	
Project: UTAH-UINTAH	Site: BONANZA 1023-18E2 PAD		Rig Name No: MILES 3/3
Event: COMPLETION	Start Date: 1/4/2012		End Date: 1/27/2012
Active Datum: RKB @5,329.00usft (above Mean Sea Level)	UWI: SW/NW/0/10/S/23/E/18/0/0/26/PM/N/2513/W/0/865/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
1/5/2012	12:00 - 14:00	2.00	COMP	33		P		FILL SURFACE CSG. MIRU B&C QUICK TEST. PSI TEST T/ 1000 PSI. HELD FOR 15 MIN LOST 25 PSI. PSI TEST T/ 3500 PSI. HELD FOR 15 MIN LOST 213 PSI. 2ND PSI TEST T/ 3500 PSI. HELD FOR 15 MIN LOST 181 PSI. 1ST PSI TEST T/ 7000 PSI. HELD FOR 30 MIN. LOST 681 PSI. NO COMMUNICATION OR MIGRATION WITH SURFACE CSG BLEED OFF PSI. MOVE T/ NEXT WELL WILL SET CIBP IN AM AND RETEST SWIFW
1/6/2012	6:45 - 7:00	0.25	COMP	48		P		HSM: PICKING UP GUNS PROPERLY
	7:00 - 12:00	5.00	COMP	34		P		RU CASED HOLE SOLUTIONS RIH, SET CIBP @ 8320' RU B & C QUICK TEST PSI TEST T/ 3500 PSI. HELD FOR 15 MIN LOST 138 PSI. 1ST PSI TEST T/ 7000 PSI. HELD FOR 30 MIN LOST 690 PSI. SET CIBP @ 8275 2ND PSI TEST T/ 7000 PSI. HELD FOR 30 MIN. LOST 646 PSI. NO COMMUNICATION WITH SURFACE CSG BLEED OFF PSI. SWI WAIT FOR RIG TO LOOK FOR LEAK
1/25/2012	14:00 - 16:30	2.50	COMP	33		P		MIRU, NDWH, NU BOP'S, TEST, PU PACKER ASSY, TIH 5 JTS, 171' EOTSWIFN
1/26/2012	7:00 - 7:30	0.50	COMP	47		P		TESTING CSG

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-18L3S PURPLE	Spud Conductor: 7/8/2011	Spud Date: 7/28/2011
Project: UTAH-UINTAH	Site: BONANZA 1023-18E2 PAD	Rig Name No: MILES 3/3
Event: COMPLETION	Start Date: 1/4/2012	End Date: 1/27/2012
Active Datum: RKB @5,329.00usft (above Mean Sea Level)	UWI: SW/NW/0/10/S/23/E/18/0/0/26/PM/N/2513/W/0/865/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	7:30 - 17:30	10.00	COMP	33		P		TIH TO 3008.50', 95 JTS, SET PACKER, RU B&C, PRESSURE TEST CSG ABOVE PACKER TO 4500 # 15 MIN NOTE: LIMIT PSI TO 5K BOP'S ABOVE PACKER. TEST #1 ABOVE- LOSS <30# 4500# PSI 15 MIN # 1 PACKER SET 3008.50' BELOW LOSS > 100# 5 MIN 7000# PSI TEST # 2 4500# PSI ABOVE LOSS < 30# 15 MIN PACKER SET# 2 127 JTS 4017.39' 7000# PSI BELOW-LOSS > 230# 5 MIN TEST# 3 4500# PSI ABOVE LOSS < 22# 15 MIN PACKER SET# 3 158 JTS 4993.41' 7000# PSI BELOW LOSS > 237# 5 MIN TEST# 4 4500# PSI ABOVE LOSS < 23# 15 MIN PACKER SET# 4 190 JTS 6008' 7000# PSI BELOW LOSS > 211# 5 MIN TEST# 5 4500# 5 MIN ABOVE LOSS >157# PACKER SET# 5 220 JTS 6960.82 7000# BELOW LOSS LOSS < 38# 15 MIN TEST# 6 PACKER SET# 6516.52' PACKER FAILED LEAK IS BETWEEN 6000" AND 7000", WOITHIN PROD ZONE SWIFN
1/27/2012	7:00 - 7:30	0.50	COMP	48		P		TRIPPING TBG
	7:30 - 12:00	4.50	COMP	33		P		PULL TBG, LD WEATHERFORD PACKER ASSY, ND BOP'S, NUWH, RDMO TO BON 10230-18E2 FOR RTP
2/9/2012	10:30 - 10:45	0.25	COMP	48		P		HELD SAFETY: MEETING HIGH PRESSURE

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-18L3S PURPLE	Spud Conductor: 7/8/2011	Spud Date: 7/28/2011
Project: UTAH-UINTAH	Site: BONANZA 1023-18E2 PAD	Rig Name No: MILES 3/3
Event: COMPLETION	Start Date: 1/4/2012	End Date: 1/27/2012
Active Datum: RKB @5,329.00usft (above Mean Sea Level)	UWI: SW/NW/0/10/S/23/E/18/0/0/26/PM/N/2513/W/0/865/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	10:45 - 11:30	0.75	COMP	33		P		FILL SURFACE CSG. MIRU B&C QUICK TEST. 1ST PSI TEST T/ 7000 PSI. HELD FOR 30 MIN LOST 664 PSI. NO COMMUNICATION OR MIGRATION WITH SURFACE CSG BLEED OFF PSI. SWIFW
2/13/2012	7:00 - 7:15	0.25	COMP	48		P		RU WL,& FRACE CREW , HELD SAFETY MEETING HIGH PRESSURE & HYDRATION

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-18L3S PURPLE	Spud Conductor: 7/8/2011	Spud Date: 7/28/2011	
Project: UTAH-UINTAH	Site: BONANZA 1023-18E2 PAD		Rig Name No: MILES 3/3
Event: COMPLETION	Start Date: 1/4/2012		End Date: 1/27/2012
Active Datum: RKB @5,329.00usft (above Mean Sea Level)	UWI: SW/NW/0/10/S/23/E/18/0/0/26/PM/N/2513/W/0/865/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	7:15 - 18:00	10.75	COMP	36		P		PERF STG 1)PU 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH PERF AS PER PERF DESIGN. POOH. X-OVER FOR FRAC CREW PRESSURE TEST LINES TO 8200 PSI LOST 870 PSI 15 MIN. FRAC STG 1)WHP 875 PSI, BRK 3433 PSI @ 4.7 BPM. ISIP 2250 PSI, FG .72 CALC HOLES OPEN @ 50.6 BPM @ 4991 PSI = 100% HOLES OPEN. ISIP 2426 PSI, FG .74, NPI 176 PSI. MP 6409 PSI, MR 51.2 BPM, AP 4291 PSI, AR 50.7 BPM PUMPED 30/50 OTTAWA SAND IN THIS STAGE X-OVER FOR W L PERF STG 2)PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 7762' P/U PERF AS PER PERF DESIGN. POOH. X-OVER FOR FRAC CREW FRAC STG 2)WHP 495 PSI, BRK 3881 PSI @ 4.2 BPM. ISIP 2171 PSI, FG .72 CALC HOLES OPEN @ 50.5 BPM @ 5228 PSI = 88% HOLES OPEN. ISIP 2530 PSI, FG .77, NPI 359 PSI. MP 5508 PSI, MR 51.0 BPM, AP 4374 PSI, AR 50.6 BPM PUMPED 30/50 OTTAWA SAND IN THIS STAGE X-OVER FOR W L PERF STG 3)PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 7611 ' P/U PERF AS PER PERF DESIGN. POOH. X-OVER FOR FRAC CREW FRAC STG 3)WHP 2220 PSI, BRK 3141 PSI @ 4.1 BPM. ISIP 2257 PSI, FG .74 CALC HOLES OPEN @ 50.5 BPM @ 5171 PSI = 91% HOLES OPEN. ISIP 2254 PSI, FG .74, NPI -3 PSI. MP 5519 PSI, MR 51.0 BPM, AP 4513 PSI, AR 50.5 BPM PUMPED 30/50 OTTAWA SAND IN THIS STAGE X-OVER FOR W L PERF STG 4)PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 7457' P/U PERF AS PER PERF DESIGN. POOH. X-OVER FOR FRAC CREW FRAC STG 4)WHP 1730 PSI, BRK 2216 PSI @ 6.1 BPM. ISIP 1767 PSI, FG .68 CALC HOLES OPEN @ 50.8 BPM @ 3784 PSI = 100% HOLES OPEN. ISIP 1967 PSI, FG .71, NPI 200 PSI.

Operation Summary Report

Well: BONANZA 1023-18L3S PURPLE	Spud Conductor: 7/8/2011	Spud Date: 7/28/2011	
Project: UTAH-UINTAH	Site: BONANZA 1023-18E2 PAD		Rig Name No: MILES 3/3
Event: COMPLETION	Start Date: 1/4/2012		End Date: 1/27/2012
Active Datum: RKB @5,329.00usft (above Mean Sea Level)	UWI: SW/NW/0/10/S/23/E/18/0/0/26/PM/N/2513/W/0/865/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
								MP 4344 PSI, MR 53.2 BPM, AP 3537 PSI, AR 51.3 BPM PUMPED 30/50 OTTAWA SAND IN THIS STAGE X-OVER FOR W L PERF STG 5)PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 7227' P/U PERF AS PER PERF DESIGN. POOH. X-OVER FOR FRAC CREW FRAC STG 5)WHP 360 PSI, BRK 3023 PSI @ 4.4 BPM. ISIP 1690 PSI, FG .68 CALC HOLES OPEN @ 52.9 BPM @ 3554 PSI = 100% HOLES OPEN. ISIP 2078 PSI, FG .73, NPI 388 PSI. MP 4272 PSI, MR 58.0 BPM, AP 3516 PSI, AR 54.0 BPM PUMPED 30/50 OTTAWA SAND IN THIS STAGE X-OVER FOR W L PERF STG 6)PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 6923' P/U PERF AS PER PERF DESIGN. POOH. X-OVER FOR FRAC CREW FRAC STG 6)WHP 370 PSI, BRK 2574 PSI @ 4.4 BPM. ISIP 1366 PSI, FG .64 CALC HOLES OPEN @ 50.9 BPM @ 3659 PSI = 100% HOLES OPEN. ISIP 2157 PSI, FG .75 NPI 791 PSI. MP 4428 PSI, MR 53.3 BPM, AP 3600 PSI, AR 52.7 BPM PUMPED 30/50 OTTAWA SAND IN THIS STAGE X-OVER FOR W L PERF STG 7)PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 6111' P/U PERF AS PER PERF DESIGN. POOH. X-OVER FOR FRAC CREW FRAC STG 7)WHP 260 PSI, BRK 2174 PSI @ 4.5 BPM. ISIP 1457 PSI, FG .68 CALC HOLES OPEN @ 50.7 BPM @ 4667 PSI = 78% HOLES OPEN. ISIP 2089 PSI, FG .79, NPI 632 PSI. MP 5262 PSI, MR 50.9 BPM, AP 4592 PSI, AR 50.5 BPM PUMPED 30/50 OTTAWA SAND IN THIS STAGE X-OVER FOR W L PU 4 1/2 8K HAL CBP . RIH SET CBP @ 5811' POOH. RIG DOWN FRAC & WL CREWS SWIFN TOTAL SAND= 175,433 # OTTAWA

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-18L3S PURPLE	Spud Conductor: 7/8/2011	Spud Date: 7/28/2011	
Project: UTAH-UINTAH	Site: BONANZA 1023-18E2 PAD		Rig Name No: MILES 3/3
Event: COMPLETION	Start Date: 1/4/2012		End Date: 1/27/2012
Active Datum: RKB @5,329.00usft (above Mean Sea Level)	UWI: SW/NW/0/10/S/23/E/18/0/0/26/PM/N/2513/W/0/865/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
2/15/2012	7:00 - 7:15	0.25	COMP	48		P		TOTAL CLFL= 8,662 BBLS JSA-RDSU. ROADING RIG ON MUDDY ROADS. RUSU. PU TBG.
	7:15 - 10:30	3.25	COMP	30	A	P		RDSU. ROAD RIG FROM BONANZA 1023-6B PAD TO LOCATION. SPOT AND RUSU. ND WH. NU BOP. RU FLOOR AND TBG EQUIP. SPOT TBG.
	10:30 - 16:30	6.00	COMP	31	I	P		MU 3-7/8" BIT, POBS, 1.87"XN AND RIH AS MEAS AND PU 2-3/8" L-80 TBG. TAG AT 5796' W/ 184-JTS. RU DRLG EQUIP. FILL TBG AND PRES TEST TO 3000#. START D/O PLUGS. #1- C/O 15' SAND TO CBP AT 5811'. D/O IN 6 MIN. 200# INC. 0-0# FCP. RIH. #2- C/O 25' SAND TO CBP AT 6111'. D/O IN 9 MIN. 400# INC. 0-100# FCP. RIH. #3- C/O 25' SAND TO CBP AT 6923'. D/O IN 10 MIN. 300# INC. 0-500# FCP. RIH. #4- C/O 20' SAND TO CBP AT 7227'. D/O IN 4 MIN. 300# INC. 400-600# FCP. RIH. CIRC AND FLOW CLEAN. HAVE 230-JTS IN. EOT AT 7272'. DRAIN EQUIP. SDFN.
2/16/2012	7:00 - 7:15	0.25	COMP	48		P		HSM, DRLG OUT & LANDING TBG

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-18L3S PURPLE	Spud Conductor: 7/8/2011	Spud Date: 7/28/2011
Project: UTAH-UINTAH	Site: BONANZA 1023-18E2 PAD	Rig Name No: MILES 3/3
Event: COMPLETION	Start Date: 1/4/2012	End Date: 1/27/2012
Active Datum: RKB @5,329.00usft (above Mean Sea Level)	UWI: SW/NW/0/10/S/23/E/18/0/0/26/PM/N/2513/W/0/865/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	7:15 - 15:00	7.75	COMP	31	I	P		CHECK PRESSURES, SICP=2,000#, SITP=0#, OPEN CSG TO PIT WELL FLOWING, CONT TO RIH, #5] TAG SAND @=7,425' [32' FILL], P/U POWER SWIVEL EST CIRCULATION W/ RIG PUMP, C/O & DRL THROUGH HALIBURTON 8K CBP @=7,457' IN MIN, W/ 200# INCREASE, CONT TO RIH #6] TAG SAND @=7281' [30' FILL], P/U POWER SWIVEL EST CIRCULATION W/ RIG PUMP, C/O & DRL THROUGH HALIBURTON 8K CBP @=7,611' IN MIN, W/ 300# INCREASE, CONT TO RIH #7] TAG SAND @=7,732' [30' FILL], P/U POWER SWIVEL EST CIRCULATION W/ RIG PUMP, C/O & DRL THROUGH HALIBURTON 8K CBP @=7,762' IN MIN, W/ 300# INCREASE, CONT TO RIH CONT TO RIH & C/O TO=8,122' CIRC WELL [NOTE PBTD @=8,413'] R/D PWR SWVL, L/D 44 JNT TBG ON FLOAT, P/U HANGER,STRIP THROUGH BOPS & LAND TBG W/ 240 JNTS, R/D TBG EQUIP, N/D BOPS, DROP BALL, N/U WELL HEAD, PUMP OFF BIT W/ 3 BBLS @=1,700#, TURN WELL OVER TO F/B CREW, R/D PULLING UNIT MOVE OFF LOC TBG DETAIL KB 14.00 4-1/2 HANGER .83 240 JNTS 2-3/8 L80 7585.98 PUMP OFF BIT SUB 2.20 EOT @= 7603.01
	11:00 -		PROD	50				WELL TURNED TO SALES @1100 HR ON 2/16/2012 - 2500 MCFD, 1440 BWPD, FCP 1661#, FTP 1300#, 20/64 CK
3/3/2012	7:00 -		PROD	50				WELL IP'D ON 3/3/12 - 2449 MCFD, 0 BOPD, 104 BWPD, CP 1600 #, FTP 1014#, CK 20/64", LP 114#, 24 HRS

1 General

1.1 Customer Information

Company	US ROCKIES REGION
Representative	
Address	

1.2 Well Information

Well	BONANZA 1023-18L3S PURPLE	**Wellbore No.**	OH
Well Name	BONANZA 1023-18L3S	**Common Name**	BONANZA 1023-18L3S
Project	UTAH-UINTAH	**Site**	BONANZA 1023-18E2 PAD
Vertical Section Azimuth	198.28 (°)	**North Reference**	True
Origin N/S		**Origin E/W**	
Spud Date	7/28/2011	**UWI**	SW/NW/0/10/S/23/E/18/0/0/26/PM/N/2513/W/0/8 65/0/0
Active Datum	RKB @5,329.00usft (above Mean Sea Level)		

2 Survey Name

2.1 Survey Name: Survey #1

Survey Name	Survey #1	**Company**	SDI
Started	7/28/2011	**Ended**	
Tool Name	MWD	**Engineer**	Anadarko

2.1.1 Tie On Point

MD (usft)	Inc (°)	Azi (°)	TVD (usft)	N/S (usft)	E/W (usft)
14.00	0.00	0.00	14.00	0.00	0.00

2.1.2 Survey Stations

Date	Type	MD (usft)	Inc (°)	Azi (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	TFace (°)
7/28/2011	Tie On	14.00	0.00	0.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2011	NORMAL	192.00	0.44	139.59	192.00	-0.52	0.44	0.36	0.25	0.25	0.00	139.59
	NORMAL	275.00	1.32	207.88	274.99	-1.61	0.20	1.46	1.48	1.06	82.28	87.74
	NORMAL	362.00	2.90	221.42	361.93	-4.14	-1.72	4.48	1.89	1.82	15.56	24.35
	NORMAL	452.00	3.61	224.76	451.78	-7.86	-5.22	9.11	0.82	0.79	3.71	16.63
	NORMAL	542.00	4.13	222.47	541.58	-12.27	-9.41	14.60	0.60	0.58	-2.54	-17.70
	NORMAL	632.00	3.82	220.82	631.36	-16.93	-13.55	20.32	0.37	-0.34	-1.83	-160.57
	NORMAL	722.00	4.26	209.61	721.14	-22.10	-17.17	26.37	1.00	0.49	-12.46	-66.55
	NORMAL	812.00	4.54	204.94	810.87	-28.24	-20.32	33.19	0.50	0.31	-5.19	-54.34
	NORMAL	902.00	5.69	200.94	900.51	-35.63	-23.42	41.18	1.34	1.28	-4.44	-19.23
	NORMAL	992.00	6.67	198.28	989.99	-44.76	-26.65	50.86	1.13	1.09	-2.96	-17.61
	NORMAL	1,082.00	7.84	197.42	1,079.27	-55.58	-30.13	62.23	1.31	1.30	-0.96	-5.73
	NORMAL	1,172.00	9.17	199.74	1,168.28	-68.19	-34.39	75.54	1.53	1.48	2.58	15.62
	NORMAL	1,262.00	10.80	201.56	1,256.91	-82.78	-39.91	91.12	1.84	1.81	2.02	11.85
	NORMAL	1,352.00	11.07	198.66	1,345.28	-98.81	-45.77	108.18	0.68	0.30	-3.22	-65.29
	NORMAL	1,442.00	12.01	199.04	1,433.46	-115.85	-51.59	126.19	1.05	1.04	0.42	4.81
	NORMAL	1,532.00	14.47	201.80	1,521.06	-135.15	-58.82	146.78	2.82	2.73	3.07	15.76
7/29/2011	NORMAL	1,622.00	17.38	198.21	1,607.60	-158.36	-67.20	171.45	3.41	3.23	-3.99	-20.43

2.1.2 Survey Stations (Continued)

Date	Type	MD (usft)	Inc (°)	Azi (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	TFace (°)
7/29/2011	NORMAL	1,712.00	18.97	195.52	1,693.10	-185.23	-75.32	199.50	2.00	1.77	-2.99	-29.10
	NORMAL	1,802.00	20.93	195.30	1,777.70	-214.83	-83.47	230.17	2.18	2.18	-0.24	-2.30
	NORMAL	1,892.00	20.74	194.59	1,861.81	-245.76	-91.73	262.13	0.35	-0.21	-0.79	-127.29
	NORMAL	1,982.00	20.96	194.85	1,945.92	-276.74	-99.87	294.10	0.27	0.24	0.29	22.93
	NORMAL	2,072.00	20.98	196.72	2,029.96	-307.73	-108.63	326.27	0.74	0.02	2.08	89.16
	NORMAL	2,120.00	21.02	197.09	2,074.77	-324.19	-113.63	343.47	0.29	0.08	0.77	73.39

2.2 Survey Name: PRODUCTION

Survey Name	PRODUCTION	**Company**	WEATHERFORD
Started	11/16/2011	**Ended**	
Tool Name	MWD	**Engineer**	Anadarko Employee

2.2.1 Tie On Point

MD (usft)	Inc (°)	Azi (°)	TVD (usft)	N/S (usft)	E/W (usft)
2,120.00	21.02	197.09	2,074.77	-324.19	-113.63

2.2.2 Survey Stations

Date	Type	MD (usft)	Inc (°)	Azi (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	TFace (°)
11/16/2011	Tie On	2,120.00	21.02	197.09	2,074.77	-324.19	-113.63	343.47	0.00	0.00	0.00	0.00
11/17/2011	NORMAL	2,173.00	20.69	196.31	2,124.30	-342.26	-119.06	362.33	0.81	-0.62	-1.47	-140.28
	NORMAL	2,263.00	21.07	197.63	2,208.39	-372.94	-128.42	394.40	0.67	0.42	1.47	51.69
	NORMAL	2,354.00	21.05	198.17	2,293.31	-404.05	-138.47	427.10	0.21	-0.02	0.59	96.14
	NORMAL	2,444.00	20.69	198.76	2,377.41	-434.47	-148.62	459.16	0.46	-0.40	0.66	150.00
	NORMAL	2,535.00	22.56	201.14	2,462.00	-465.97	-160.09	492.67	2.27	2.05	2.62	26.24
	NORMAL	2,626.00	22.50	201.88	2,546.06	-498.41	-172.88	527.48	0.32	-0.07	0.81	102.29
	NORMAL	2,716.00	22.38	201.26	2,629.24	-530.36	-185.51	561.78	0.29	-0.13	-0.69	-117.17
	NORMAL	2,807.00	23.13	199.76	2,713.16	-563.33	-197.83	596.95	1.04	0.82	-1.65	-38.42
	NORMAL	2,897.00	23.19	197.76	2,795.91	-596.84	-209.21	632.34	0.88	0.07	-2.22	-86.56
	NORMAL	2,988.00	22.56	194.14	2,879.75	-630.83	-218.94	667.67	1.69	-0.69	-3.98	-115.78
	NORMAL	3,078.00	23.25	194.76	2,962.66	-664.75	-227.69	702.62	0.81	0.77	0.69	19.56
	NORMAL	3,169.00	23.19	193.39	3,046.29	-699.55	-236.41	738.40	0.60	-0.07	-1.51	-96.97
	NORMAL	3,260.00	21.44	192.51	3,130.47	-733.22	-244.16	772.80	1.96	-1.92	-0.97	-169.60
	NORMAL	3,350.00	21.81	195.76	3,214.14	-765.37	-252.27	805.87	1.39	0.41	3.61	74.35
	NORMAL	3,441.00	21.13	195.14	3,298.82	-797.47	-261.14	839.13	0.79	-0.75	-0.68	-161.83
	NORMAL	3,532.00	18.88	190.89	3,384.33	-827.77	-268.21	870.12	2.94	-2.47	-4.67	-149.11
	NORMAL	3,622.00	18.06	190.01	3,469.69	-855.80	-273.39	898.37	0.96	-0.91	-0.98	-161.64
	NORMAL	3,713.00	16.69	191.64	3,556.54	-882.49	-278.47	925.31	1.60	-1.51	1.79	161.22
	NORMAL	3,804.00	16.13	193.64	3,643.83	-907.58	-284.09	950.88	0.87	-0.62	2.20	135.70
	NORMAL	3,894.00	16.13	197.39	3,730.29	-931.66	-290.78	975.85	1.16	0.00	4.17	91.80
	NORMAL	3,985.00	14.31	194.01	3,818.10	-954.63	-297.28	999.70	2.22	-2.00	-3.71	-155.63
	NORMAL	4,076.00	12.88	195.26	3,906.55	-975.33	-302.67	1,021.05	1.60	-1.57	1.37	169.00
	NORMAL	4,166.00	11.81	201.26	3,994.47	-993.59	-308.65	1,040.26	1.85	-1.19	6.67	132.74
	NORMAL	4,257.00	10.88	199.14	4,083.69	-1,010.39	-314.84	1,058.15	1.12	-1.02	-2.33	-156.88
	NORMAL	4,347.00	10.31	198.76	4,172.16	-1,026.04	-320.22	1,074.70	0.64	-0.63	-0.42	-173.20
	NORMAL	4,438.00	8.75	196.89	4,261.90	-1,040.37	-324.85	1,089.76	1.75	-1.71	-2.05	-169.70
	NORMAL	4,529.00	7.25	199.14	4,352.01	-1,052.42	-328.74	1,102.42	1.68	-1.65	2.47	169.32
	NORMAL	4,619.00	5.63	196.01	4,441.44	-1,062.03	-331.82	1,112.51	1.84	-1.80	-3.48	-169.32
	NORMAL	4,710.00	3.56	186.39	4,532.14	-1,069.13	-333.37	1,119.74	2.42	-2.27	-10.57	-164.33
	NORMAL	4,801.00	1.94	208.14	4,623.04	-1,073.29	-334.41	1,124.02	2.09	-1.78	23.90	157.76

2.2.2 Survey Stations (Continued)

Date	Type	MD (usft)	Inc (°)	Azi (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	TFace (°)
11/17/2011	NORMAL	4,891.00	0.25	148.39	4,713.02	-1,074.80	-335.02	1,125.65	2.03	-1.88	-66.39	-173.21
	NORMAL	4,982.00	0.31	174.51	4,804.02	-1,075.22	-334.90	1,126.00	0.15	0.07	28.70	78.27
	NORMAL	5,073.00	0.63	172.51	4,895.01	-1,075.96	-334.81	1,126.68	0.35	0.35	-2.20	-3.94
	NORMAL	5,163.00	0.78	159.86	4,985.01	-1,077.03	-334.53	1,127.60	0.24	0.17	-14.06	-52.50
	NORMAL	5,254.00	0.94	169.39	5,076.00	-1,078.34	-334.18	1,128.74	0.24	0.18	10.47	46.63
	NORMAL	5,345.00	0.94	163.14	5,166.98	-1,079.79	-333.83	1,130.01	0.11	0.00	-6.87	-93.12
	NORMAL	5,435.00	1.31	163.51	5,256.97	-1,081.48	-333.32	1,131.46	0.41	0.41	0.41	1.31
	NORMAL	5,526.00	1.25	160.64	5,347.94	-1,083.42	-332.70	1,133.10	0.10	-0.07	-3.15	-134.53
	NORMAL	5,616.00	0.44	185.14	5,437.93	-1,084.69	-332.40	1,134.21	0.97	-0.90	27.22	167.88
	NORMAL	5,707.00	1.13	339.14	5,528.93	-1,084.20	-332.75	1,133.85	1.69	0.76	169.23	161.21
11/18/2011	NORMAL	5,798.00	0.75	344.01	5,619.92	-1,082.78	-333.24	1,132.67	0.43	-0.42	5.35	170.55
	NORMAL	5,889.00	0.50	0.26	5,710.91	-1,081.82	-333.40	1,131.80	0.33	-0.27	17.86	152.60
	NORMAL	5,979.00	0.50	5.89	5,800.91	-1,081.03	-333.36	1,131.04	0.05	0.00	6.26	92.81
	NORMAL	6,070.00	0.13	4.39	5,891.91	-1,080.53	-333.31	1,130.55	0.41	-0.41	-1.65	-179.47
	NORMAL	6,161.00	0.13	131.14	5,982.91	-1,080.50	-333.22	1,130.49	0.26	0.00	139.29	153.37
	NORMAL	6,251.00	0.38	140.01	6,072.91	-1,080.79	-332.95	1,130.69	0.28	0.28	9.86	13.43
	NORMAL	6,342.00	0.56	163.01	6,163.90	-1,081.45	-332.63	1,131.21	0.28	0.20	25.27	58.23
	NORMAL	6,432.00	0.56	167.89	6,253.90	-1,082.30	-332.41	1,131.95	0.05	0.00	5.42	92.44
	NORMAL	6,523.00	0.63	146.39	6,344.89	-1,083.15	-332.04	1,132.64	0.26	0.08	-23.63	-83.53
	NORMAL	6,614.00	0.81	147.39	6,435.89	-1,084.11	-331.42	1,133.35	0.20	0.20	1.10	4.49
	NORMAL	6,705.00	0.88	137.64	6,526.88	-1,085.17	-330.60	1,134.10	0.18	0.08	-10.71	-68.97
	NORMAL	6,795.00	1.19	153.51	6,616.86	-1,086.52	-329.72	1,135.11	0.47	0.34	17.63	50.88
	NORMAL	6,886.00	0.50	326.01	6,707.86	-1,087.03	-329.52	1,135.53	1.85	-0.76	189.56	177.78
	NORMAL	6,977.00	0.69	69.39	6,798.85	-1,086.51	-329.23	1,134.95	1.03	0.21	113.60	134.50
	NORMAL	7,067.00	0.69	72.14	6,888.85	-1,086.15	-328.20	1,134.29	0.04	0.00	3.06	91.37
	NORMAL	7,158.00	0.69	89.64	6,979.84	-1,085.98	-327.13	1,133.79	0.23	0.00	19.23	98.75
	NORMAL	7,249.00	0.92	92.22	7,070.83	-1,086.01	-325.85	1,133.41	0.26	0.25	2.84	10.25
	NORMAL	7,340.00	1.19	321.39	7,161.82	-1,085.30	-325.71	1,132.69	2.11	0.30	-143.77	-152.06
	NORMAL	7,430.00	0.69	297.14	7,251.81	-1,084.32	-326.78	1,132.10	0.70	-0.56	-26.94	-153.19
	NORMAL	7,521.00	0.25	271.89	7,342.81	-1,084.06	-327.47	1,132.07	0.52	-0.48	-27.75	-167.05
	NORMAL	7,612.00	0.25	260.76	7,433.81	-1,084.09	-327.86	1,132.22	0.05	0.00	-12.23	-95.56
	NORMAL	7,702.00	0.38	232.39	7,523.81	-1,084.30	-328.29	1,132.56	0.22	0.14	-31.52	-64.96
	NORMAL	7,793.00	0.38	189.39	7,614.80	-1,084.78	-328.58	1,133.10	0.31	0.00	-47.25	-111.50
11/19/2011	NORMAL	7,884.00	0.38	133.76	7,705.80	-1,085.29	-328.41	1,133.53	0.39	0.00	-61.13	-117.81
	NORMAL	7,974.00	0.56	127.51	7,795.80	-1,085.77	-327.85	1,133.80	0.21	0.20	-6.94	-19.04
	NORMAL	8,065.00	0.56	122.01	7,886.80	-1,086.27	-327.12	1,134.06	0.06	0.00	-6.04	-92.75
	NORMAL	8,156.00	0.69	145.01	7,977.79	-1,086.96	-326.42	1,134.49	0.31	0.14	25.27	74.42
	NORMAL	8,246.00	0.56	151.64	8,067.79	-1,087.79	-325.90	1,135.12	0.17	-0.14	7.37	154.20
	NORMAL	8,337.00	1.38	145.01	8,158.77	-1,089.08	-325.07	1,136.08	0.91	0.90	-7.29	-11.12
	NORMAL	8,415.00	1.68	155.06	8,236.74	-1,090.88	-324.04	1,137.47	0.51	0.38	12.88	46.91
	NORMAL	8,465.00	1.68	155.06	8,286.72	-1,092.21	-323.43	1,138.54	0.00	0.00	0.00	0.00

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

FORM 6

ENTITY ACTION FORM

Operator: KERR McGEE OIL & GAS ONSHORE LP
Operator Account Number: N 2995
Address: P.O. Box 173779
city DENVER
state CO zip 80217
Phone Number: (720) 929-6029

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
See Atchmt	See Atchmt						
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
	99999	18519				5/1/2012	

Comments: Please see attachment with list of Wells in the Ponderosa Unit. 5/30/2012
lwsmvd

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	

Comments:

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	

Comments:

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

RECEIVED
MAY 21 2012
Div. of Oil, Gas & Mining

Cara Mahler
Name (Please Print)

Signature

REGULATORY ANALYST
Title

5/21/2012
Date

(5/2000)

well_name	sec	twp	rng	api	entity		lease	well	stat	qtr_qtr	bhl	surf	zone	a_stat	l_num	op_no
SOUTHMAN CANYON 31-3	31	090S	230E	4304734726	13717		1	GW	P	SENW		1	WSMVD	P	U-33433	N2995
SOUTHMAN CANYON 31-4	31	090S	230E	4304734727	13742		1	GW	S	SESW		1	WSMVD	S	UTU-33433	N2995
SOUTHMAN CYN 31-2X (RIG SKID)	31	090S	230E	4304734898	13755		1	GW	P	NWNW		1	WSMVD	P	U-33433	N2995
SOUTHMAN CYN 923-31J	31	090S	230E	4304735149	13994		1	GW	P	NWSE		1	MVRD	P	U-33433	N2995
SOUTHMAN CYN 923-31B	31	090S	230E	4304735150	13953		1	GW	P	NWNE		1	MVRD	P	U-33433	N2995
SOUTHMAN CYN 923-31P	31	090S	230E	4304735288	14037		1	GW	P	SESE		1	WSMVD	P	UTU-33433	N2995
SOUTHMAN CYN 923-31H	31	090S	230E	4304735336	14157		1	GW	P	SENE		1	WSMVD	P	U-33433	N2995
SOUTHMAN CYN 923-31O	31	090S	230E	4304737205	16827		1	GW	P	SWSE		1	MVRD	P	UTU-33433	N2995
SOUTHMAN CYN 923-31K	31	090S	230E	4304737206	16503		1	GW	P	NESW		1	WSMVD	P	UTU-33433	N2995
SOUTHMAN CYN 923-31G	31	090S	230E	4304737208	16313		1	GW	P	SWNE		1	WSMVD	P	UTU-33433	N2995
SOUTHMAN CYN 923-31E	31	090S	230E	4304737209	16521		1	GW	P	SWNW		1	WSMVD	P	UTU-33433	N2995
SOUTHMAN CYN 923-31A	31	090S	230E	4304737210	16472		1	GW	P	NENE		1	WSMVD	P	UTU-33433	N2995
SOUTHMAN CYN 923-31C	31	090S	230E	4304737227	16522		1	GW	P	NENW		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-1G	01	100S	230E	4304735512	14458		1	GW	P	SWNE		1	WSMVD	P	U-40736	N2995
BONANZA 1023-1A	01	100S	230E	4304735717	14526		1	GW	P	NENE		1	WSMVD	P	U-40736	N2995
BONANZA 1023-1E	01	100S	230E	4304735745	14524		1	GW	P	SWNW		1	WSMVD	P	U-40736	N2995
BONANZA 1023-1C	01	100S	230E	4304735754	14684		1	GW	P	NENW		1	MVRD	P	U-40736	N2995
BONANZA 1023-1K	01	100S	230E	4304735755	15403		1	GW	P	NESW		1	MVRD	P	U-38423	N2995
BONANZA 1023-1F	01	100S	230E	4304737379	16872		1	GW	P	SENW		1	MVRD	P	UTU-40736	N2995
BONANZA 1023-1B	01	100S	230E	4304737380	16733		1	GW	P	NWNE		1	MVRD	P	UTU-40736	N2995
BONANZA 1023-1D	01	100S	230E	4304737381	16873		1	GW	P	NWNW		1	MVRD	P	UTU-40736	N2995
BONANZA 1023-1H	01	100S	230E	4304737430	16901		1	GW	P	SENE		1	MVRD	P	UTU-40736	N2995
BONANZA 1023-1L	01	100S	230E	4304738300	16735		1	GW	P	NWSW		1	MVRD	P	UTU-38423	N2995
BONANZA 1023-1J	01	100S	230E	4304738302	16871		1	GW	P	NWSE		1	MVRD	P	UTU-40736	N2995
BONANZA 1023-1I	01	100S	230E	4304738810	16750		1	GW	P	NESE		1	MVRD	P	UTU-40736	N2995
BONANZA 1023-2E	02	100S	230E	4304735345	14085		3	GW	P	SWNW		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2C	02	100S	230E	4304735346	14084		3	GW	P	NENW		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2A	02	100S	230E	4304735347	14068		3	GW	P	NENE		3	MVRD	P	ML-47062	N2995
BONANZA 1023-2G	02	100S	230E	4304735661	14291		3	GW	P	SWNE		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2O	02	100S	230E	4304735662	14289		3	GW	P	SWSE		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2I	02	100S	230E	4304735663	14290		3	GW	S	NESE		3	WSMVD	S	ML-47062	N2995
BONANZA 1023-2MX	02	100S	230E	4304736092	14730		3	GW	P	SWSW		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2H	02	100S	230E	4304737093	16004		3	GW	P	SENE		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2D	02	100S	230E	4304737094	15460		3	GW	P	NWNW		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2B	02	100S	230E	4304737095	15783		3	GW	P	NWNE		3	MVRD	P	ML-47062	N2995
BONANZA 1023-2P	02	100S	230E	4304737223	15970		3	GW	P	SESE		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2N	02	100S	230E	4304737224	15887		3	GW	P	SESW		3	MVRD	P	ML-47062	N2995
BONANZA 1023-2L	02	100S	230E	4304737225	15833		3	GW	P	NWSW		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2F	02	100S	230E	4304737226	15386		3	GW	P	SENW		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2D-4	02	100S	230E	4304738761	16033		3	GW	P	NWNW		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2O-1	02	100S	230E	4304738762	16013		3	GW	P	SWSE		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2H3CS	02	100S	230E	4304750344	17426		3	GW	P	NWNE	D	3	MVRD	P	ML 47062	N2995
BONANZA 1023-2G3BS	02	100S	230E	4304750345	17428		3	GW	P	NWNE	D	3	MVRD	P	ML 47062	N2995
BONANZA 1023-2G2CS	02	100S	230E	4304750346	17429		3	GW	P	NWNE	D	3	MVRD	P	ML 47062	N2995
BONANZA 1023-2G1BS	02	100S	230E	4304750347	17427		3	GW	P	NWNE	D	3	MVRD	P	ML 47062	N2995

BONANZA 1023-2M1S	02	100S	230E	4304750379	17443		3	GW	P	SENW	D	3	MVRD	P	ML 47062	N2995
BONANZA 1023-2L2S	02	100S	230E	4304750380	17444		3	GW	P	SENW	D	3	MVRD	P	ML 47062	N2995
BONANZA 1023-2K4S	02	100S	230E	4304750381	17446		3	GW	P	SENW	D	3	MVRD	P	ML 47062	N2995
BONANZA 1023-2K1S	02	100S	230E	4304750382	17445		3	GW	P	SENW	D	3	WSMVD	P	ML 47062	N2995
BONANZA 4-6 *	04	100S	230E	4304734751	13841		1	GW	P	NESW		1	MNCS	P	UTU-33433	N2995
BONANZA 1023-4A	04	100S	230E	4304735360	14261		1	GW	P	NENE		1	WSMVD	P	U-33433	N2995
BONANZA 1023-4E	04	100S	230E	4304735392	14155		1	GW	P	SWNW		1	WSMVD	P	U-33433	N2995
BONANZA 1023-4C	04	100S	230E	4304735437	14252		1	GW	P	NENW		1	WSMVD	P	U-33433	N2995
BONANZA 1023-4M	04	100S	230E	4304735629	14930		1	GW	P	SWSW		1	WSMVD	P	U-33433	N2995
BONANZA 1023-4O	04	100S	230E	4304735688	15111		1	GW	P	SWSE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-4I	04	100S	230E	4304735689	14446		1	GW	P	NESE		1	MVRD	P	UTU-33433	N2995
BONANZA 1023-4G	04	100S	230E	4304735746	14445		1	GW	P	SWNE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-4D	04	100S	230E	4304737315	16352		1	GW	P	NWNW		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-4H	04	100S	230E	4304737317	16318		1	GW	P	SENE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-4B	04	100S	230E	4304737328	16351		1	GW	P	NWNE		1	MVRD	P	UTU-33433	N2995
BONANZA 1023-4L	04	100S	230E	4304738211	16393		1	GW	P	NWSW		1	MVRD	P	UTU-33433	N2995
BONANZA 1023-4P	04	100S	230E	4304738212	16442		1	GW	P	SESE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-4N	04	100S	230E	4304738303	16395		1	GW	P	SESW		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-4FX (RIGSKID)	04	100S	230E	4304739918	16356		1	GW	P	SENW		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5O	05	100S	230E	4304735438	14297		1	GW	P	SWSE		1	WSMVD	P	U-33433	N2995
BONANZA 1023-5AX (RIGSKID)	05	100S	230E	4304735809	14243		1	GW	P	NENE		1	WSMVD	P	U-33433	N2995
BONANZA 1023-5C	05	100S	230E	4304736176	14729		1	GW	P	NENW		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5G	05	100S	230E	4304736177	14700		1	GW	P	SWNE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5M	05	100S	230E	4304736178	14699		1	GW	P	SWSW		1	WSMVD	P	UTU-73450	N2995
BONANZA 1023-5K	05	100S	230E	4304736741	15922		1	GW	P	NESW		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5B	05	100S	230E	4304737318	16904		1	GW	P	NWNE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5E	05	100S	230E	4304737319	16824		1	GW	P	SWNW		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5H	05	100S	230E	4304737320	16793		1	GW	P	SENE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5N	05	100S	230E	4304737321	16732		1	GW	P	SESW		1	WSMVD	P	UTU-73450	N2995
BONANZA 1023-5L	05	100S	230E	4304737322	16825		1	GW	P	NWSW		1	MVRD	P	UTU-33433	N2995
BONANZA 1023-5J	05	100S	230E	4304737428	17055		1	GW	P	NWSE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5P	05	100S	230E	4304738213	16795		1	GW	P	SESE		1	MVRD	P	UTU-33433	N2995
BONANZA 1023-5N-1	05	100S	230E	4304738911	17060		1	GW	P	SESW		1	WSMVD	P	UTU-73450	N2995
BONANZA 1023-5PS	05	100S	230E	4304750169	17323		1	GW	P	NESE	D	1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5G2AS	05	100S	230E	4304750486	17459		1	GW	P	SWNE	D	1	MVRD	P	UTU 33433	N2995
BONANZA 1023-5G2CS	05	100S	230E	4304750487	17462		1	GW	P	SWNE	D	1	MVRD	P	UTU 33433	N2995
BONANZA 1023-5G3BS	05	100S	230E	4304750488	17461		1	GW	P	SWNE	D	1	MVRD	P	UTU 33433	N2995
BONANZA 1023-5G3CS	05	100S	230E	4304750489	17460		1	GW	P	SWNE	D	1	MVRD	P	UTU 33433	N2995
BONANZA 1023-5N4AS	05	100S	230E	4304752080	18484		1	GW	DRL	SWSW	D	1	WSMVD	DRL	UTU73450	N2995
BONANZA 1023-8C2DS	05	100S	230E	4304752081	18507		1	GW	DRL	SWSW	D	1	WSMVD	DRL	UTU37355	N2995
BONANZA 6-2	06	100S	230E	4304734843	13796		1	GW	TA	NESW		1	WSMVD	TA	UTU-38419	N2995
BONANZA 1023-6C	06	100S	230E	4304735153	13951		1	GW	P	NENW		1	MVRD	P	U-38419	N2995
BONANZA 1023-6E	06	100S	230E	4304735358	14170		1	GW	P	SWNW		1	MVRD	P	U-38419	N2995
BONANZA 1023-6M	06	100S	230E	4304735359	14233		1	GW	P	SWSW		1	WSMVD	P	U-38419	N2995
BONANZA 1023-6G	06	100S	230E	4304735439	14221		1	GW	P	SWNE		1	WSMVD	P	UTU-38419	N2995
BONANZA 1023-6O	06	100S	230E	4304735630	14425		1	GW	TA	SWSE		1	WSMVD	TA	U-38419	N2995

* not moved in unit

BONANZA 1023-6A	06	100S	230E	4304736067	14775		1	GW	P	NENE		1	WSMVD	P	U-33433	N2995
BONANZA 1023-6N	06	100S	230E	4304737211	15672		1	GW	P	SESW		1	WSMVD	P	UTU-38419	N2995
BONANZA 1023-6L	06	100S	230E	4304737212	15673		1	GW	P	NWSW		1	WSMVD	P	UTU-38419	N2995
BONANZA 1023-6J	06	100S	230E	4304737213	15620		1	GW	P	NWSE		1	WSMVD	P	UTU-38419	N2995
BONANZA 1023-6F	06	100S	230E	4304737214	15576		1	GW	TA	SENW		1	WSMVD	TA	UTU-38419	N2995
BONANZA 1023-6P	06	100S	230E	4304737323	16794		1	GW	P	SESE		1	WSMVD	P	UTU-38419	N2995
BONANZA 1023-6H	06	100S	230E	4304737324	16798		1	GW	S	SENE		1	WSMVD	S	UTU-33433	N2995
BONANZA 1023-6D	06	100S	230E	4304737429	17020		1	GW	P	NWNW		1	WSMVD	P	UTU-38419	N2995
BONANZA 1023-6B	06	100S	230E	4304740398	18291		1	GW	P	NWNE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-6M1BS	06	100S	230E	4304750452	17578		1	GW	P	NWSW	D	1	WSMVD	P	UTU 38419	N2995
BONANZA 1023-6N1AS	06	100S	230E	4304750453	17581		1	GW	P	NWSW	D	1	WSMVD	P	UTU 38419	N2995
BONANZA 1023-6N1CS	06	100S	230E	4304750454	17580		1	GW	P	NWSW	D	1	WSMVD	P	UTU 38419	N2995
BONANZA 1023-6N4BS	06	100S	230E	4304750455	17579		1	GW	P	NWSW	D	1	WSMVD	P	UTU 38419	N2995
BONANZA 1023-6I2S	06	100S	230E	4304750457	17790		1	GW	P	NESE	D	1	WSMVD	P	UTU 38419	N2995
BONANZA 1023-6I4S	06	100S	230E	4304750458	17792		1	GW	P	NESE	D	1	WSMVD	P	UTU 38419	N2995
BONANZA 1023-6J3S	06	100S	230E	4304750459	17791		1	GW	P	NESE	D	1	WSMVD	P	UTU 38419	N2995
BONANZA 1023-6P1S	06	100S	230E	4304750460	17793		1	GW	P	NESE	D	1	WSMVD	P	UTU 38419	N2995
BONANZA 1023-6A2CS	06	100S	230E	4304751430	18292		1	GW	P	NWNE	D	1	WSMVD	P	UTU33433	N2995
BONANZA 1023-6B4BS	06	100S	230E	4304751431	18293		1	GW	P	NWNE	D	1	WSMVD	P	UTU33433	N2995
BONANZA 1023-6B4CS	06	100S	230E	4304751432	18294		1	GW	P	NWNE	D	1	WSMVD	P	UTU33433	N2995
BONANZA 1023-6C4BS	06	100S	230E	4304751449	18318		1	GW	P	NENW	D	1	WSMVD	P	UTU38419	N2995
BONANZA 1023-6D1DS	06	100S	230E	4304751451	18316		1	GW	P	NENW	D	1	WSMVD	P	UTU38419	N2995
FLAT MESA FEDERAL 2-7	07	100S	230E	4304730545	18244		1	GW	S	NENW		1	WSMVD	S	U-38420	N2995
BONANZA 1023-7B	07	100S	230E	4304735172	13943		1	GW	P	NWNE		1	MVRD	P	U-38420	N2995
BONANZA 1023-7L	07	100S	230E	4304735289	14054		1	GW	P	NWSW		1	WSMVD	P	U-38420	N2995
BONANZA 1023-7D	07	100S	230E	4304735393	14171		1	GW	P	NWNW		1	WSMVD	P	U-38420	N2995
BONANZA 1023-7P	07	100S	230E	4304735510	14296		1	GW	P	SESE		1	WSMVD	P	U-38420	N2995
BONANZA 1023-7H	07	100S	230E	4304736742	15921		1	GW	P	SENE		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-7NX (RIGSKID)	07	100S	230E	4304736932	15923		1	GW	P	SESW		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-7M	07	100S	230E	4304737215	16715		1	GW	P	SWSW		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-7K	07	100S	230E	4304737216	16714		1	GW	P	NESW		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-7E	07	100S	230E	4304737217	16870		1	GW	P	SWNW		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-7G	07	100S	230E	4304737326	16765		1	GW	P	SWNE		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-7A	07	100S	230E	4304737327	16796		1	GW	P	NENE		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-7O	07	100S	230E	4304738304	16713		1	GW	P	SWSE		1	MVRD	P	UTU-38420	N2995
BONANZA 1023-7B-3	07	100S	230E	4304738912	17016		1	GW	P	NWNE		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-07JT	07	100S	230E	4304739390	16869		1	GW	P	NWSE		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-7J2AS	07	100S	230E	4304750474	17494		1	GW	P	NWSE	D	1	WSMVD	P	UTU 38420	N2995
BONANZA 1023-7J2DS	07	100S	230E	4304750475	17495		1	GW	P	NWSE	D	1	WSMVD	P	UTU 38420	N2995
BONANZA 1023-7L3DS	07	100S	230E	4304750476	17939		1	GW	P	NWSW	D	1	WSMVD	P	UTU 38420	N2995
BONANZA 1023-7M2AS	07	100S	230E	4304750477	17942		1	GW	P	NWSW	D	1	WSMVD	P	UTU 38420	N2995
BONANZA 1023-7N2AS	07	100S	230E	4304750478	17940		1	GW	P	NWSW	D	1	WSMVD	P	UTU 38420	N2995
BONANZA 1023-7N2DS	07	100S	230E	4304750479	17941		1	GW	P	NWSW	D	1	WSMVD	P	UTU 38420	N2995
BONANZA 1023-7O4S	07	100S	230E	4304750480	17918		1	GW	P	SESE	D	1	WSMVD	P	UTU 38420	N2995
BONANZA 1023-7P2S	07	100S	230E	4304750482	17919		1	GW	P	SESE	D	1	WSMVD	P	UTU 38420	N2995
BONANZA 8-2	08	100S	230E	4304734087	13851		1	GW	P	SESE		1	MVRD	P	U-37355	N2995

BONANZA 8-3	08	100S	230E	4304734770	13843	1	GW	P	NWNW		1	MVRD	P	U-37355	N2995
BONANZA 1023-8A	08	100S	230E	4304735718	14932	1	GW	P	NENE		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8L	08	100S	230E	4304735719	14876	1	GW	P	NWSW		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8N	08	100S	230E	4304735720	15104	1	GW	P	SESW		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8F	08	100S	230E	4304735989	14877	1	GW	S	SENW		1	WSMVD	S	UTU-37355	N2995
BONANZA 1023-8I	08	100S	230E	4304738215	16358	1	GW	P	NESE		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8K	08	100S	230E	4304738216	16354	1	GW	P	NESW		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8M	08	100S	230E	4304738217	16564	1	GW	P	SWSW		1	MVRD	P	UTU-37355	N2995
BONANZA 1023-8G	08	100S	230E	4304738218	16903	1	GW	P	SWNE		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8E	08	100S	230E	4304738219	16397	1	GW	P	SWNW		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8C	08	100S	230E	4304738220	16355	1	GW	P	NENW		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8B	08	100S	230E	4304738221	16292	1	GW	P	NWNE		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8H	08	100S	230E	4304738222	16353	1	GW	P	SENE		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8O	08	100S	230E	4304738305	16392	1	GW	P	SWSE		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8B-4	08	100S	230E	4304738914	17019	1	GW	P	NWNE		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8A1DS	08	100S	230E	4304750481	17518	1	GW	P	NENE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8A4BS	08	100S	230E	4304750483	17519	1	GW	P	NENE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8B1AS	08	100S	230E	4304750484	17520	1	GW	P	NENE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8B2AS	08	100S	230E	4304750485	17521	1	GW	P	NENE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8O2S	08	100S	230E	4304750495	17511	1	GW	P	NWSE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8J1S	08	100S	230E	4304750496	17509	1	GW	P	NWSE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8O3S	08	100S	230E	4304750497	17512	1	GW	P	NWSE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8J3	08	100S	230E	4304750498	17510	1	GW	P	NWSE		1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8C4CS	08	100S	230E	4304750499	17544	1	GW	P	NENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8D2DS	08	100S	230E	4304750500	17546	1	GW	P	NENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8D3DS	08	100S	230E	4304750501	17545	1	GW	P	NENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8F3DS	08	100S	230E	4304750502	17543	1	GW	P	NENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8A4CS	08	100S	230E	4304751131	18169	1	GW	P	NWNE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8B3BS	08	100S	230E	4304751132	18167	1	GW	P	NWNE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8C1AS	08	100S	230E	4304751133	18166	1	GW	P	NWNE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8G3AS	08	100S	230E	4304751134	18168	1	GW	P	NWNE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8E2AS	08	100S	230E	4304751135	18227	1	GW	P	SENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8F3BS	08	100S	230E	4304751136	18227	1	GW	P	SENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8F4AS	08	100S	230E	4304751137	18224	1	GW	P	SENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8F4DS	08	100S	230E	4304751138	18225	1	GW	P	SENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8J2CS	08	100S	230E	4304751139	18226	1	GW	P	SENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8G4DS	08	100S	230E	4304751140	18144	1	GW	P	NESE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8H2DS	08	100S	230E	4304751141	18142	1	GW	P	NESE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8H3DS	08	100S	230E	4304751142	18143	1	GW	P	NESE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8H4DS	08	100S	230E	4304751143	18141	1	GW	P	NESE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8I4BS	08	100S	230E	4304751144	18155	1	GW	P	NESE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8J4BS	08	100S	230E	4304751145	18154	1	GW	P	NESE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8P1AS	08	100S	230E	4304751146	18156	1	GW	P	NESE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8P2BS	08	100S	230E	4304751147	18153	1	GW	P	NESE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8P4AS	08	100S	230E	4304751148	18157	1	GW	P	NESE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8E2DS	08	100S	230E	4304751149	18201	1	GW	P	NWSW	D	1	WSMVD	P	UTU 37355	N2995

BONANZA 1023-8E3DS	08	100S	230E	4304751150	18200		1	GW	P	NWSW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8K1CS	08	100S	230E	4304751151	18199		1	GW	P	NWSW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8K4CS	08	100S	230E	4304751152	18198		1	GW	P	NWSW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8L3DS	08	100S	230E	4304751153	18197		1	GW	P	NWSW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8M2AS	08	100S	230E	4304751154	18217		1	GW	P	SWSW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8M2DS	08	100S	230E	4304751155	18216		1	GW	P	SWSW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8N2BS	08	100S	230E	4304751156	18218		1	GW	P	SWSW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8O3CS	08	100S	230E	4304751157	18254		1	GW	P	SWSE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8N3DS	08	100S	230E	4304751158	18215		1	GW	P	SWSW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8O4AS	08	100S	230E	4304751159	18252		1	GW	P	SWSE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8P2CS	08	100S	230E	4304751160	18251		1	GW	P	SWSE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8P3CS	08	100S	230E	4304751161	18253		1	GW	P	SWSE	D	1	WSMVD	P	UTU 37355	N2995
CANYON FEDERAL 2-9	09	100S	230E	4304731504	1468		1	GW	P	NENW		1	MVRD	P	U-37355	N2995
SOUTHMAN CANYON 9-3-M	09	100S	230E	4304732540	11767		1	GW	S	SWSW		1	MVRD	S	UTU-37355	N2995
SOUTHMAN CANYON 9-4-J	09	100S	230E	4304732541	11685		1	GW	S	NWSE		1	MVRD	S	UTU-37355	N2995
BONANZA 9-6	09	100S	230E	4304734771	13852		1	GW	P	NWNE		1	MVRD	P	U-37355	N2995
BONANZA 9-5	09	100S	230E	4304734866	13892		1	GW	P	SESW		1	MVRD	P	U-37355	N2995
BONANZA 1023-9E	09	100S	230E	4304735620	14931		1	GW	P	SWNW		1	WSMVD	P	U-37355	N2995
BONANZA 1023-9I	09	100S	230E	4304738223	16766		1	GW	P	NESE		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-9D	09	100S	230E	4304738306	16398		1	GW	P	NWNW		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-9J	09	100S	230E	4304738811	16989		1	GW	P	NWSE		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-9B3BS	09	100S	230E	4304750503	17965		1	GW	P	SENE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-9B3CS	09	100S	230E	4304750504	17968		1	GW	P	SENE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-9H2BS	09	100S	230E	4304750505	17966		1	GW	P	SENE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-9H2CS	09	100S	230E	4304750506	17967		1	GW	P	SENE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 10-2	10	100S	230E	4304734704	13782		1	GW	P	NWNW		1	MVRD	P	U-72028	N2995
BONANZA 1023-10L	10	100S	230E	4304735660	15164		1	GW	P	NWSW		1	WSMVD	P	U-38261	N2995
BONANZA 1023-10E	10	100S	230E	4304738224	16501		1	GW	P	SWNW		1	MVRD	P	UTU-72028	N2995
BONANZA 1023-10C	10	100S	230E	4304738228	16500		1	GW	P	NENW		1	MVRD	P	UTU-72028	N2995
BONANZA 1023-10C-4	10	100S	230E	4304738915	17015		1	GW	P	NENW		1	MVRD	P	UTU-72028	N2995
BONANZA 11-2 ✯	11	100S	230E	4304734773	13768		1	GW	P	SWNW		1	MVMCS	P	UTU-38425	N2995
BONANZA 1023-11K	11	100S	230E	4304735631	15132		1	GW	P	NESW		1	WSMVD	P	UTU-38425	N2995
BONANZA 1023-11B	11	100S	230E	4304738230	16764		1	GW	P	NWNE		1	MVRD	P	UTU-38425	N2995
BONANZA 1023-11F	11	100S	230E	4304738232	16797		1	GW	P	SENW		1	MVRD	P	UTU-38425	N2995
BONANZA 1023-11D	11	100S	230E	4304738233	16711		1	GW	P	NWNW		1	MVRD	P	UTU-38425	N2995
BONANZA 1023-11G	11	100S	230E	4304738235	16826		1	GW	P	SWNE		1	MVRD	P	UTU-38425	N2995
BONANZA 1023-11C	11	100S	230E	4304738309	16736		1	GW	P	NENW		1	MVRD	P	UTU-38425	N2995
BONANZA 1023-11J	11	100S	230E	4304738310	16839		1	GW	P	NWSE		1	WSMVD	P	UTU-38424	N2995
BONANZA 1023-11N	11	100S	230E	4304738311	16646		1	GW	P	SESW		1	MVRD	P	UTU-38424	N2995
BONANZA 1023-11M	11	100S	230E	4304738312	16687		1	GW	P	SWSW		1	MVRD	P	UTU-38424	N2995
BONANZA 1023-11L	11	100S	230E	4304738812	16987		1	GW	P	NWSW		1	WSMVD	P	UTU-38424	N2995
NSO FEDERAL 1-12	12	100S	230E	4304730560	1480		1	GW	P	NENW		1	MVRD	P	UTU-38423	N2995
WHITE RIVER 1-14	14	100S	230E	4304730481	1500		1	GW	S	NENW		1	MVRD	S	U-38427	N2995
BONANZA 1023-14D	14	100S	230E	4304737030	16799		1	GW	P	NWNW		1	MVRD	P	UTU-38427	N2995
BONANZA 1023-14C	14	100S	230E	4304738299	16623		1	GW	P	NENW		1	MVRD	P	UTU-38427	N2995
BONANZA FEDERAL 3-15	15	100S	230E	4304731278	8406		1	GW	P	NENW		1	MVRD	P	U-38428	N2995

✯ not moved into unit

BONANZA 1023-15H	15	100S	230E	4304738316	16688	1	GW	P	SENE		1	MVRD	P	UTU-38427	N2995
BONANZA 1023-15J	15	100S	230E	4304738817	16988	1	GW	P	NWSE		1	MVRD	P	UTU-38427	N2995
BONANZA 1023-15H4CS	15	100S	230E	4304750741	17492	1	GW	P	NESE	D	1	MVRD	P	UTU 38427	N2995
BONANZA 1023-15I2AS	15	100S	230E	4304750742	17493	1	GW	P	NESE	D	1	WSMVD	P	UTU 38427	N2995
BONANZA 1023-15I4BS	15	100S	230E	4304750743	17490	1	GW	P	NESE	D	1	WSMVD	P	UTU 38427	N2995
BONANZA 1023-15P1BS	15	100S	230E	4304750744	17491	1	GW	P	NESE	D	1	WSMVD	P	UTU 38427	N2995
LOOKOUT POINT STATE 1-16	16	100S	230E	4304730544	1495	3	GW	P	NESE		3	WSMVD	P	ML-22186-A	N2995
BONANZA 1023-16J	16	100S	230E	4304737092	15987	3	GW	OPS	NWSE		3	WSMVD	OPS	ML-22186-A	N2995
BONANZA 1023-17B	17	100S	230E	4304735747	15165	1	GW	P	NWNE		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-17C	17	100S	230E	4304738237	16585	1	GW	P	NENW		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-17D3S	17	100S	230E	4304750511	17943	1	GW	P	NENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-17E2S	17	100S	230E	4304750512	17944	1	GW	P	NENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-17E3AS	17	100S	230E	4304750513	17945	1	GW	P	NENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-17E3CS	17	100S	230E	4304750514	17946	1	GW	P	NENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-18G	18	100S	230E	4304735621	14410	1	GW	P	SWNE		1	WSMVD	P	U-38241	N2995
BONANZA 1023-18B	18	100S	230E	4304735721	14395	1	GW	P	NWNE		1	WSMVD	P	U-38421	N2995
BONANZA 1023-18DX (RIGSKID)	18	100S	230E	4304736218	14668	1	GW	P	NWNW		1	WSMVD	P	U-38241	N2995
BONANZA 1023-18A	18	100S	230E	4304738243	16625	1	GW	P	NENE		1	WSMVD	P	UTU-38421	N2995
BONANZA 1023-18F	18	100S	230E	4304738244	16624	1	GW	P	SENW		1	WSMVD	P	UTU-38421	N2995
BONANZA 1023-18E	18	100S	230E	4304738245	16645	1	GW	P	SWNW		1	MVRD	P	UTU-38421	N2995
BONANZA 1023-18C	18	100S	230E	4304738246	16734	1	GW	P	NENW		1	MVRD	P	UTU-38421	N2995
BONANZA 1023-18G-1	18	100S	230E	4304738916	17135	1	GW	P	SWNE		1	WSMVD	P	UTU-38421	N2995
BONANZA 1023-18D3AS	18	100S	230E	4304750448	17498	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18D3DS	18	100S	230E	4304750449	17499	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18E2DS	18	100S	230E	4304750450	17497	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18E3AS	18	100S	230E	4304750451	17496	1	GW	P	SENW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18L2S	18	100S	230E	4304750520	18111	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18L3S	18	100S	230E	4304750521	18110	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18K3AS	18	100S	230E	4304751061	18112	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18K3BS	18	100S	230E	4304751063	18113	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18M2AS	18	100S	230E	4304751064	18117	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18M2DS	18	100S	230E	4304751065	18116	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18N2AS	18	100S	230E	4304751066	18114	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18N2DS	18	100S	230E	4304751067	18115	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-10F	10	100S	230E	4304738225	16565		GW	P	SENW			MVRD	P	UTU 72028	N2995
BONANZA 1023-6D1AS	6	100S	230E	4304751450	18320		GW	P	NENW	D		WSMVD	P	UTU 38419	N2995
BONANZA 1023-6C1CS	6	100S	230E	4304751448	18319		GW		NENW	D				UTU 38419	N2995
BONANZA 1023-6D3AS	6	100S	230E	4304751452	18317		GW	P	NENW	D		WSMVD	P	UTU 38419	N2995

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU 38421

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: PONDEROSA

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: BONANZA 1023-18L3S

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

9. API NUMBER: 43047505210000

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

PHONE NUMBER: 720 929-6526

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2513 FNL 0865 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 18 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☑ SUBSEQUENT REPORT Date of Work Completion: 1/14/2013	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☑ OTHER	OTHER: Production Enhancement

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

The operator conducted the following workover/wellbore cleanout on the subject well on 01/14/2013. Please see the attached chronological well history for details. Thank you.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
February 13, 2013

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Lindsey Frazier	720 929-6857	Regulatory Analyst II
SIGNATURE N/A		**DATE** 2/6/2013

RECEIVED: Feb. 06, 2013

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-18L3S PURPLE	Spud Conductor: 7/8/2011	Spud Date: 7/28/2011	
Project: UTAH-UINTAH	Site: BONANZA 1023-18E2 PAD		Rig Name No: MILES-GRAY 1/1
Event: WELL WORK EXPENSE	Start Date: 1/9/2013		End Date: 1/14/2013
Active Datum: RKB @5,329.00usft (above Mean Sea Level)	UWI: SW/NW/0/10/S/23/E/18/0/0/26/PM/N/2513/W/0/865/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
1/9/2013	7:00 - 11:30	4.50	RDMO	30	G	P		RIG DWN F/ NBU 921-22MGR & ROAD RIG TO BONANZA 1023-18L3S.
	11:30 - 12:00	0.50	MAINT	48		P		HSM, REVIEW RU & PU TBG F/ TRAILER.
	12:00 - 14:00	2.00	MIRU	30	A	P		MIRU.
	14:00 - 15:00	1.00	MAINT	30	F	P		SICP. 1295 PSI. SITP. 1295 PSI. OPERATOR OPEN WELL @ THE SEPERATOR, BLEW TBG DWN, CONTROL TBG W/ 30 BBLS, ND WH, NU BOP'S, RU FLOOR & TBG EQUIPMENT, PUMP 30 BBLS DWN CSG,
	15:00 - 17:00	2.00	MAINT	31	I	P		UNLAND TBG HANGER, TBG STUCK, WORKED TBG FOR 45 MINS, TBG CAME FREE, PU & TALLY 20 JTS. 2-3/8 L-80 TBG F/ TRAILER, TAG FILL @ 8240' BTM PERF @ 8022' (218' RATHOLE) POOH S/B TBG, EOT @ 7600' W/ 240 JTS. SWI, DRAIN LINES & WINTERIZE, SDFN.
1/10/2013	7:00 - 7:30	0.50	MAINT	48		P		HSM, REVIEW SCANNING TBG.
	7:30 - 8:30	1.00	MAINT	30	E	P		SICP. 1000 PSI. SITP. 1000 PSI. BLEW TBG DWN, CONTROL TBG W/ 20 BBLS
	8:30 - 12:30	4.00	MAINT	45	A	P		RU SCAN TECH, POOH & SCAN 240 JTS. 2-3/8 L-80 TBG, REJECTED 82 JTS DUE INTERNAL & EXTERNAL SCALE W/ ALL JTS. DUE TO INTERNAL PITTING, RD SCAN TECH.
	12:30 - 15:00	2.50	MAINT	31	I	P		PU 3-7/8 MILL, BIT SUB, TALLY & RIH 182 JTS. 2-3/8 L-80 TBG, STOP ABOVE TOP PERF @ 5854', EOT @ 5790', DRAIN PUMP LINES, SWI, SDFN.
1/11/2013	7:00 - 7:30	0.50	MAINT	48		P		HSM, REVIEW RE-CIRC GAS UNIT, PU TBG F/ TRAILER
	7:30 - 9:30	2.00	MAINT	31	I	P		SICP. 900 PSI. SITP. 900 PSI. BLEW TBG DWN, CONTROL TBG W/ 20 BBLS, PU & RIH 72 JTS. 2-3/8 L-80 TBG F/ TRAILER TO 8112' BTM PERF @ 8022' (90' RATHOLE)
	9:30 - 11:30	2.00	MAINT	31	H	P		RU GROSS FOAM, EST CIRC IN 31 MINS, CIRC WELL CLEAN, RD GROSS FOAM, KILL TBG.
	11:30 - 14:15	2.75	MAINT	31	I	P		POOH & LD 16 JTS. 2-3/8 L-80 TBG ON TRAILER, POOH 238 JTS. 2-3/8 L-80 TBG, LD MILL & BIT SUB,
	14:15 - 17:00	2.75	MAINT	31	I	P		PU 1.875 X 1.78 LSN, RIH 238 JTS. 2-3/8 L-80, BROACH TBG EVERY 48 JTS. LAND TBG W/ 238 JTS. DRAIN PUMP & LINES, SWI, SDFN.
1/14/2013	7:00 - 7:30	0.50	MAINT	48		P		HSM, REVIEW PPE & COLD WEATHER

RECEIVED: Feb. 06, 2013

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-18L3S PURPLE	Spud Conductor: 7/8/2011	Spud Date: 7/28/2011
Project: UTAH-UINTAH	Site: BONANZA 1023-18E2 PAD	Rig Name No: MILES-GRAY 1/1
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Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	7:30 - 10:00	2.50	MAINT	47	A	P		SICP. 700 PSI. SITP. 700 PSI. BLEW TBG DWN, CONTROL TBG W/ 20 BBLS, RD FLOOR & TBG EQUIPMENT, ND BOP'S, NU WH, CLEAN LOCATION, RDMO. MOVE TO BONANZA 1023-18K3S. (WELL IS READY TO PUT BACK ON PRODUCATION.) TBG DETAIL: KB---------- -14' HANGER----------.83 238 JTS. 2-3/8 L-80 TBG @----------7598.24' 1.875 X 1.78 LSN---------- -1.33' EOT @---------- -7614.40' WLTR. 130 BBLS. TOP PERF @ 5854' BTM PERF @ 8022' C/O TO 8112' PBTD @ 8413'

RECEIVED: Feb. 06, 2013