

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING					FORM 3 AMENDED REPORT <input type="checkbox"/>	
APPLICATION FOR PERMIT TO DRILL					1. WELL NAME and NUMBER BONANZA 1023-6G4CS	
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>					3. FIELD OR WILDCAT NATURAL BUTTES	
4. TYPE OF WELL Gas Well Coalbed Methane Well: NO					5. UNIT or COMMUNITIZATION AGREEMENT NAME	
6. NAME OF OPERATOR KERR-MCGEE OIL & GAS ONSHORE, L.P.					7. OPERATOR PHONE 720 929-6007	
8. ADDRESS OF OPERATOR P.O. Box 173779, Denver, CO, 80217					9. OPERATOR E-MAIL Kathy.SchneebeckDulnoan@anadarko.com	
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU38419			11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>		12. SURFACE OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>	
13. NAME OF SURFACE OWNER (if box 12 = 'fee')					14. SURFACE OWNER PHONE (if box 12 = 'fee')	
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')					16. SURFACE OWNER E-MAIL (if box 12 = 'fee')	
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input checked="" type="checkbox"/> (Submit Commingling Application) NO <input type="checkbox"/>		19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>	
20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	1874 FNL 2053 FWL	SENW	6	10.0 S	23.0 E	S
Top of Uppermost Producing Zone	2485 FNL 1945 FEL	SWNE	6	10.0 S	23.0 E	S
At Total Depth	2485 FNL 1945 FEL	SWNE	6	10.0 S	23.0 E	S
21. COUNTY UINTAH			22. DISTANCE TO NEAREST LEASE LINE (Feet) 1945		23. NUMBER OF ACRES IN DRILLING UNIT 516	
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 158		26. PROPOSED DEPTH MD: 8565 TVD: 8433	
27. ELEVATION - GROUND LEVEL 5124			28. BOND NUMBER WYB000291		29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE Permit #43-8496	
ATTACHMENTS						
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES						
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER			<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN			
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)			<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER			
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)			<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP			
NAME Gina Becker		TITLE Regulatory Analyst II			PHONE 720 929-6086	
SIGNATURE		DATE 01/03/2011			EMAIL gina.becker@anadarko.com	
API NUMBER ASSIGNED 43047514580000		APPROVAL  Permit Manager				

Proposed Hole, Casing, and Cement						
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Prod	7.875	4.5	0	8565		
Pipe	Grade	Length	Weight			
	Grade I-80 Buttress	0	11.6			

Proposed Hole, Casing, and Cement						
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Surf	11	8.625	0	2020		
Pipe	Grade	Length	Weight			
	Grade J-55 LT&C	0	28.0			

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

BONANZA 1023-6G4CS

Surface: 1874 FNL / 2053 FWL SENW
BHL: 2485 FNL / 1945 FEL SWNE

Section 6 T10S R23E

Unitah, Utah
Mineral Lease: UTU-38419

ONSHORE ORDER NO. 1

DRILLING PROGRAM

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

<u>Formation</u>	<u>Depth</u>	<u>Resource</u>
Uinta	0 - Surface	
Green River	1141	
Birds Nest	1404	Water
Mahogany	1765	Water
Wasatch	4151	Gas
Mesaverde	6292	Gas
MVU2	7234	Gas
MVL1	7807	Gas
TVD	8433	
MD	8656	

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 bottom hole pressure calculated at 8,433' TVD, approximately equals 5,166 psi (calculated at 0.61 psi/foot).

Maximum anticipated surface pressure equals approximately 3,311 psi (bottom hole 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 11 inch 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.

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)). The air rig operation utilizes a 5M BOPE when drilling. 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

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'				3,390	1,880	348,000
SURFACE	8-5/8"	0 to 2,020	28.00	IJ-55	LTC	0.97	1.99	6.09
PRODUCTION	4-1/2"	0 to 8,656	11.60	I-80	BTC	2.28	1.21	3.17

*Burst on surface casing is controlled by fracture gradient as shoe with gas gradient above. D.F. = 2.66

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 = 12.0 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 3,311 psi

3) Maximum Anticipated Bottom Hole Pressure (MABHP) = Pore Pressure at TD
 (Burst Assumptions: TD = 12.0 ppg) 0.61 psi/ft = bottomhole gradient
 (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
MABHP 5,166 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD	
SURFACE	LEAD	500'	Premium cmt + 2% CaCl + 0.25 pps flocele	180	60%	15.80	1.15	
Option 1								
	TOP OUT CMT (6 jobs)	1,200'	20 gals sodium silicate + Premium cmt + 2% CaCl + 0.25 pps flocele	270	0%	15.80	1.15	
SURFACE		NOTE: If well will circulate water to surface, option 2 will be utilized						
Option 2	LEAD	1,520'	65/35 Poz + 6% Gel + 10 pps gilsonite + 0.25 pps Flocele + 3% salt BWOW	140	35%	11.00	3.82	
	TAIL	500'	Premium cmt + 2% CaCl + 0.25 pps flocele	150	35%	15.80	1.15	
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.80	1.15	
PRODUCTION	LEAD	3,646'	Premium Lite II +0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	260	10%	11.00	3.38	
	TAIL	5,010'	50/50 Poz/G + 10% salt + 2% gel + 0.1% R-3	970	10%	14.30	1.31	

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

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

FLOAT EQUIPMENT & CENTRALIZERS

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

ADDITIONAL INFORMATION

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

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

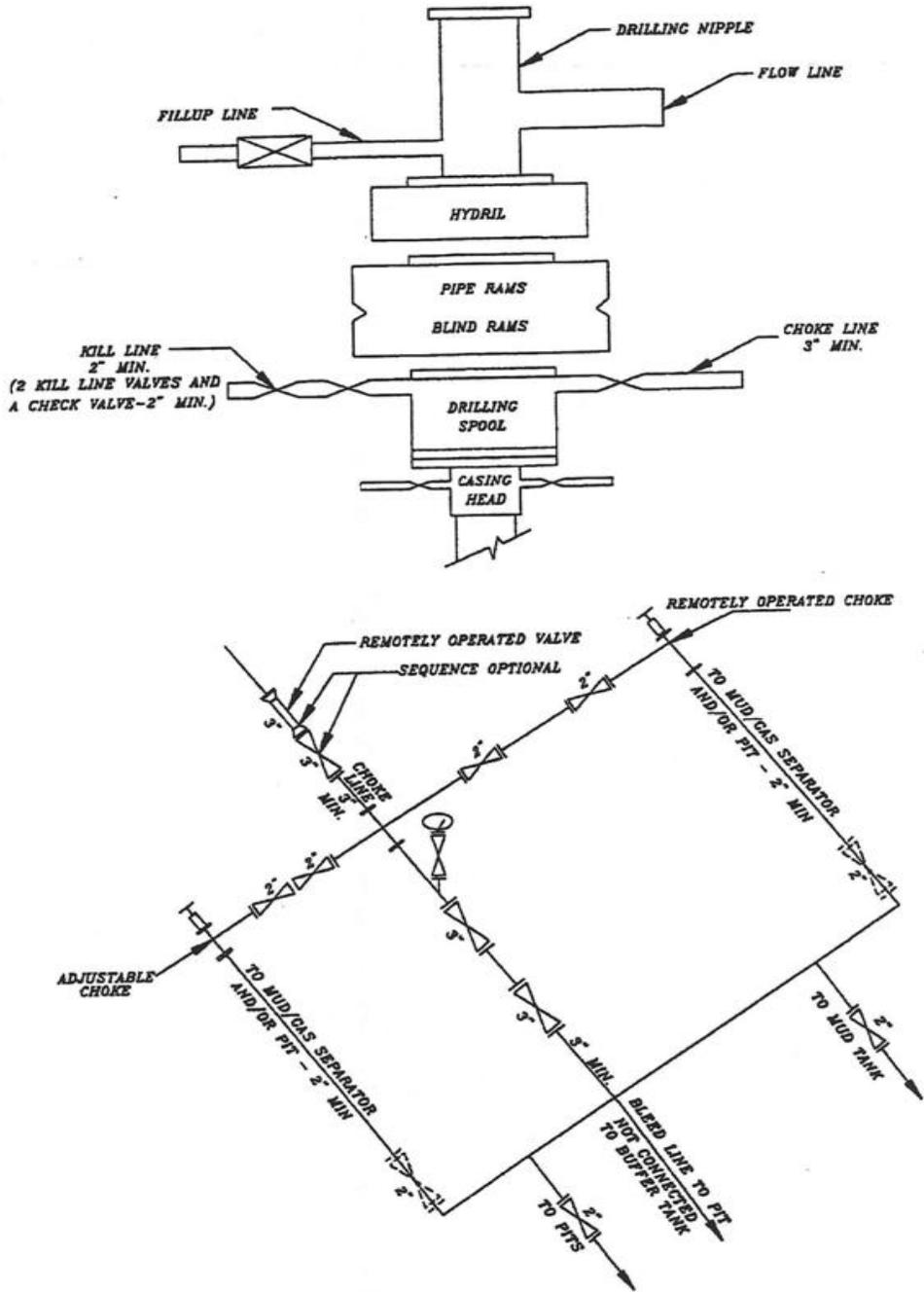
Surveys will be taken at 1,000' minimum intervals.

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

DRILLING ENGINEER: _____ **DATE:** _____
 Emile Goodwin / Perry Daughtrey

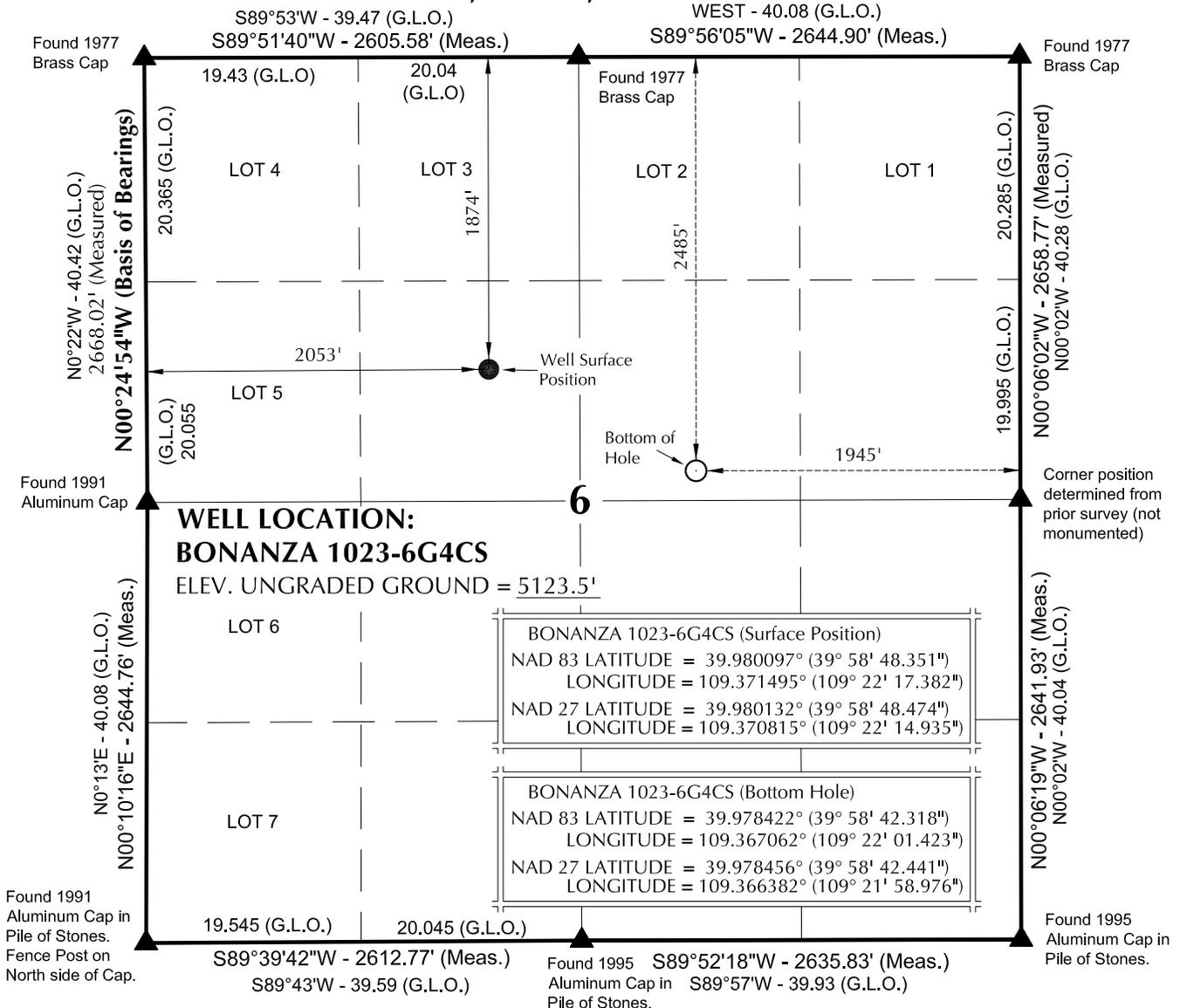
DRILLING SUPERINTENDENT: _____ **DATE:** _____
 John Merkel / Lovel Young

EXHIBIT A BONANZA 1023-6G4CS



SCHEMATIC DIAGRAM OF 5,000 PSI BOP STACK

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

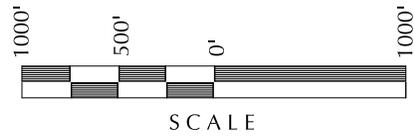


**WELL LOCATION:
BONANZA 1023-6G4CS**
ELEV. UNGRADED GROUND = 5123.5'

BONANZA 1023-6G4CS (Surface Position)	
NAD 83 LATITUDE = 39.980097° (39° 58' 48.351")	LONGITUDE = 109.371495° (109° 22' 17.382")
NAD 27 LATITUDE = 39.980132° (39° 58' 48.474")	LONGITUDE = 109.370815° (109° 22' 14.935")
BONANZA 1023-6G4CS (Bottom Hole)	
NAD 83 LATITUDE = 39.978422° (39° 58' 42.318")	LONGITUDE = 109.367062° (109° 22' 01.423")
NAD 27 LATITUDE = 39.978456° (39° 58' 42.441")	LONGITUDE = 109.366382° (109° 21' 58.976")

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 S63°53'33"E 1384.62' from the Surface Position.
- 4. Bearings are based on Global Positioning Satellite observations.
- 5. Basis of elevation is Tri-Sta "Two Water" located in the NW ¼ of Section 1, T10S, R21E, S.L.B.&M. The elevation of this Tri-Sta is shown on the Big Pack Mtn NE 7.5 Min. Quadrangle as being 5238'.



SURVEYOR'S CERTIFICATE

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

John R. Lauch
 PROFESSIONAL LAND SURVEYOR
 REGISTRATION NO. 6028691
 STATE OF UTAH

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

WELL PAD: BONANZA 1023-6F

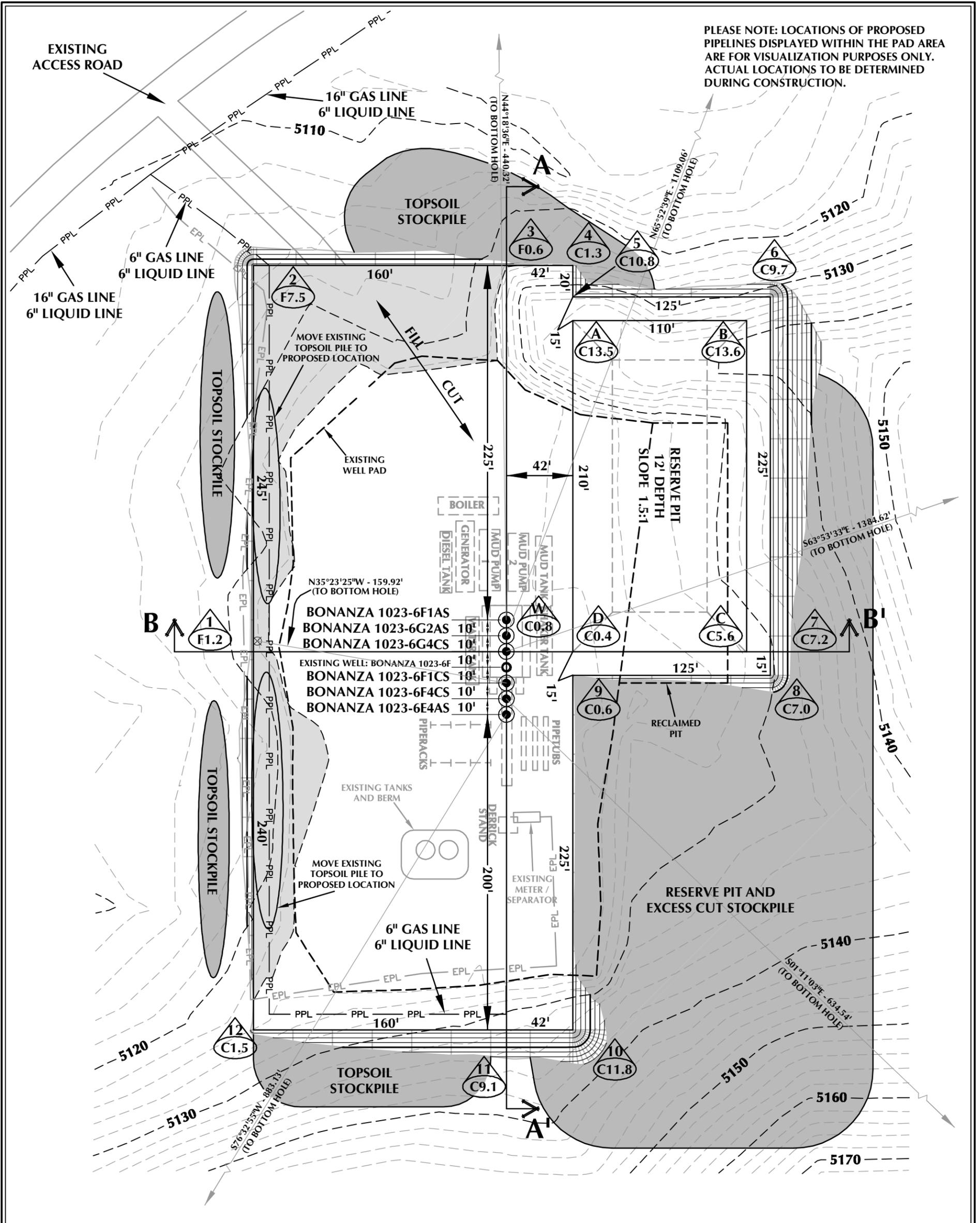
BONANZA 1023-6G4CS
WELL PLAT
2485' FNL, 1945' FEL (Bottom Hole)
SW ¼ NE ¼ OF SECTION 6, T10S, R23E, S.L.B.&M., UTAH COUNTY, UTAH.

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: 03-04-10	SURVEYED BY: K.B.C.	SHEET NO: 4
DATE DRAWN: 03-11-10	DRAWN BY: M.W.W.	
SCALE: 1" = 1000'		4 OF 18



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

WELL PAD - BONANZA 1023-6F DESIGN SUMMARY

EXISTING GRADE @ CENTER OF WELL PAD = 5123.5'
 FINISHED GRADE ELEVATION = 5122.7'
 CUT SLOPES = 1.5:1
 FILL SLOPES = 1.5:1
 TOTAL WELL PAD AREA = 3.28 ACRES
 TOTAL DAMAGE AREA = 6.37 ACRES
 SHRINKAGE FACTOR = 1.10
 SWELL FACTOR = 1.00

WELL PAD QUANTITIES

TOTAL CUT FOR WELL PAD = 12,997 C.Y.
 TOTAL FILL FOR WELL PAD = 2,701 C.Y.
 TOPSOIL @ 6" DEPTH = 1,272 C.Y.
 EXCESS MATERIAL = 10,296 C.Y.

RESERVE PIT QUANTITIES

TOTAL CUT FOR RESERVE PIT +/- 7,900 CY
 RESERVE PIT CAPACITY (2' OF FREEBOARD) +/- 30,100 BARRELS

WELL PAD LEGEND

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



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

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

WELL PAD - BONANZA 1023-6F

WELL PAD - LOCATION LAYOUT
 BONANZA 1023-6E4AS, BONANZA 1023-6F4CS,
 BONANZA 1023-6F1CS, BONANZA 1023-6G4CS,
 BONANZA 1023-6G2AS & BONANZA 1023-6F1AS
 LOCATED IN SECTION 6, T10S, R23E,
 S.L.B.&M., Uintah County, UTAH

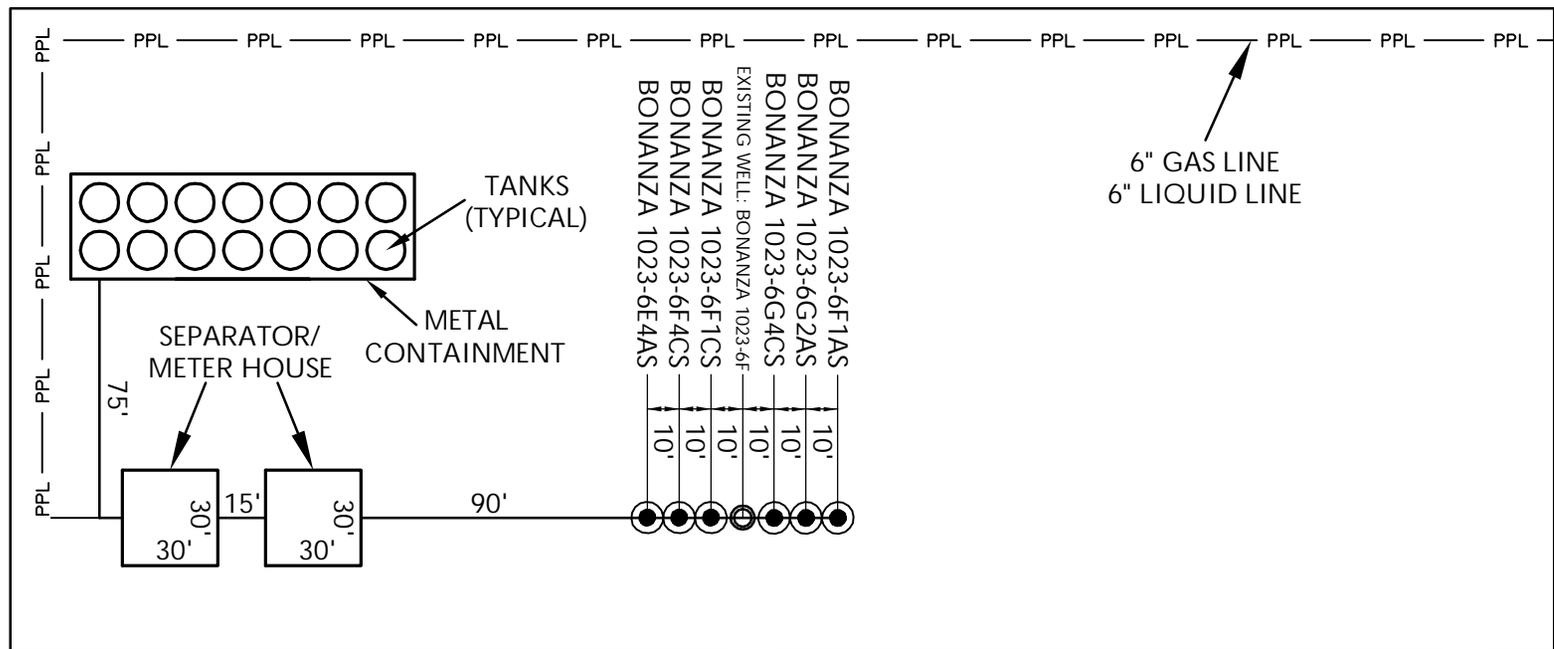


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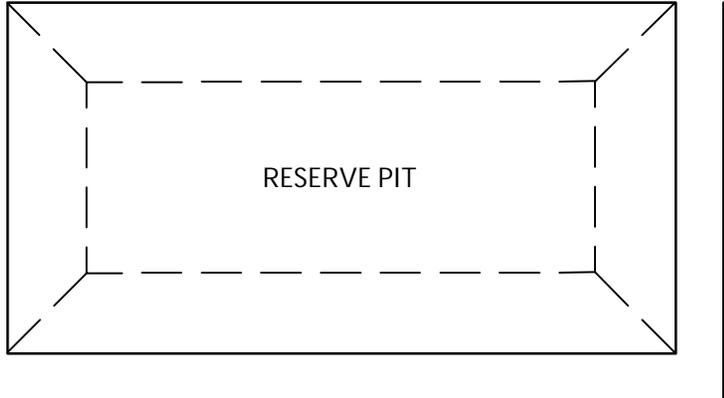
TIMBERLINE (435) 789-1365
 ENGINEERING & LAND SURVEYING, INC.
 209 NORTH 300 WEST - VERNAL, UTAH 84078

Scale: 1"=60' Date: 4/7/10 SHEET NO:
 REVISED: TAR 10/15/10 **8** 8 OF 18

'APIWELLINCo:43047514580000'



PROPOSED WELL PAD



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

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

WELL PAD - BONANZA 1023-6F

WELL PAD - FACILITIES DIAGRAM
BONANZA 1023-6E4AS, BONANZA 1023-6F4CS,
BONANZA 1023-6F1CS, BONANZA 1023-6G4CS,
BONANZA 1023-6G2AS & BONANZA 1023-6F1AS
LOCATED IN SECTION 6, T10S, R23E,
S.L.B.&M., Uintah County, Utah



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WELL PAD LEGEND

-  EXISTING WELL LOCATION
-  PROPOSED WELL LOCATION
-  PPL — PROPOSED PIPELINE
-  EPL — EXISTING PIPELINE



HORIZONTAL 0 30' 60' 1" = 60'

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209 NORTH 300 WEST - VERNAL, UTAH 84078

Scale: 1"=60' Date: 4/7/10
REVISED: RAW 8/6/10

SHEET NO:
10 10 OF 18

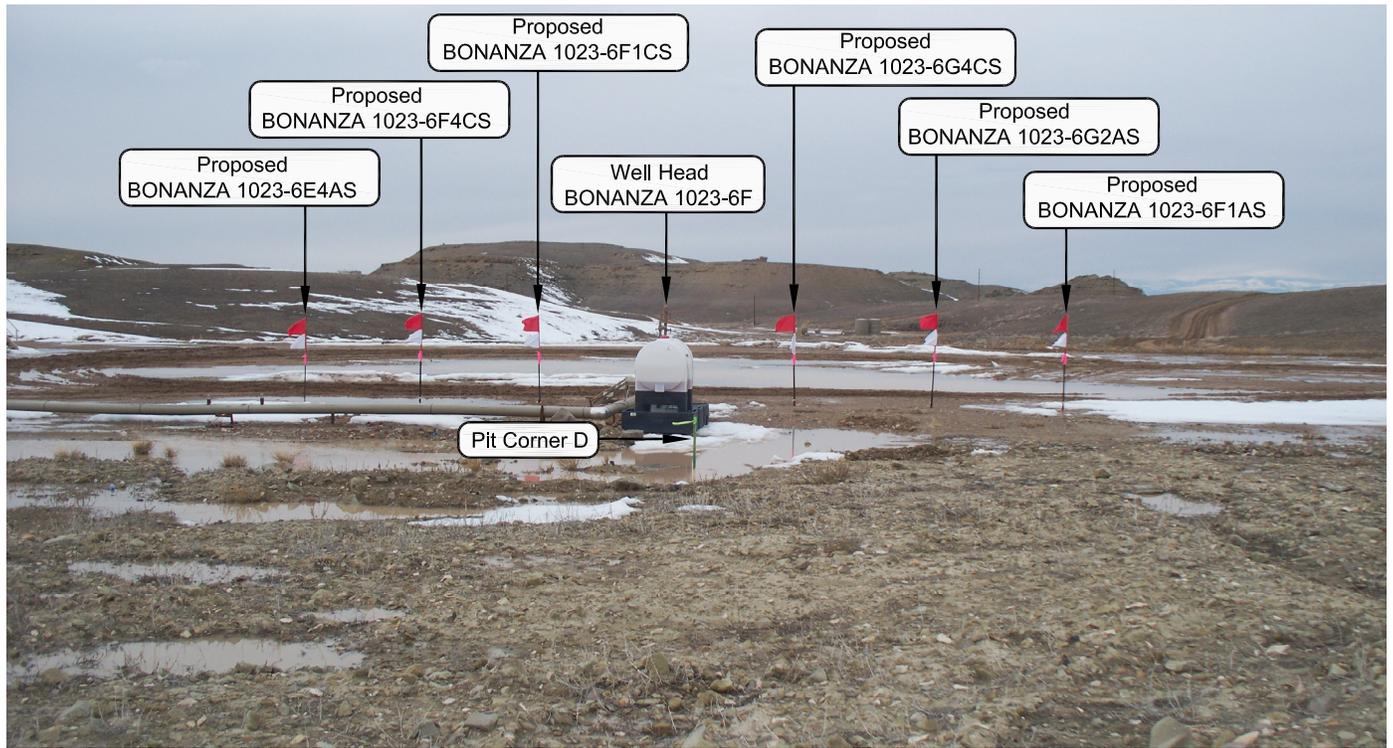


PHOTO VIEW: FROM PIT CORNER D TO LOCATION STAKE

CAMERA ANGLE: NORTHWESTERLY



PHOTO VIEW: FROM EXISTING ACCESS ROAD

CAMERA ANGLE: SOUTHERLY

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

WELL PAD - BONANZA 1023-6F

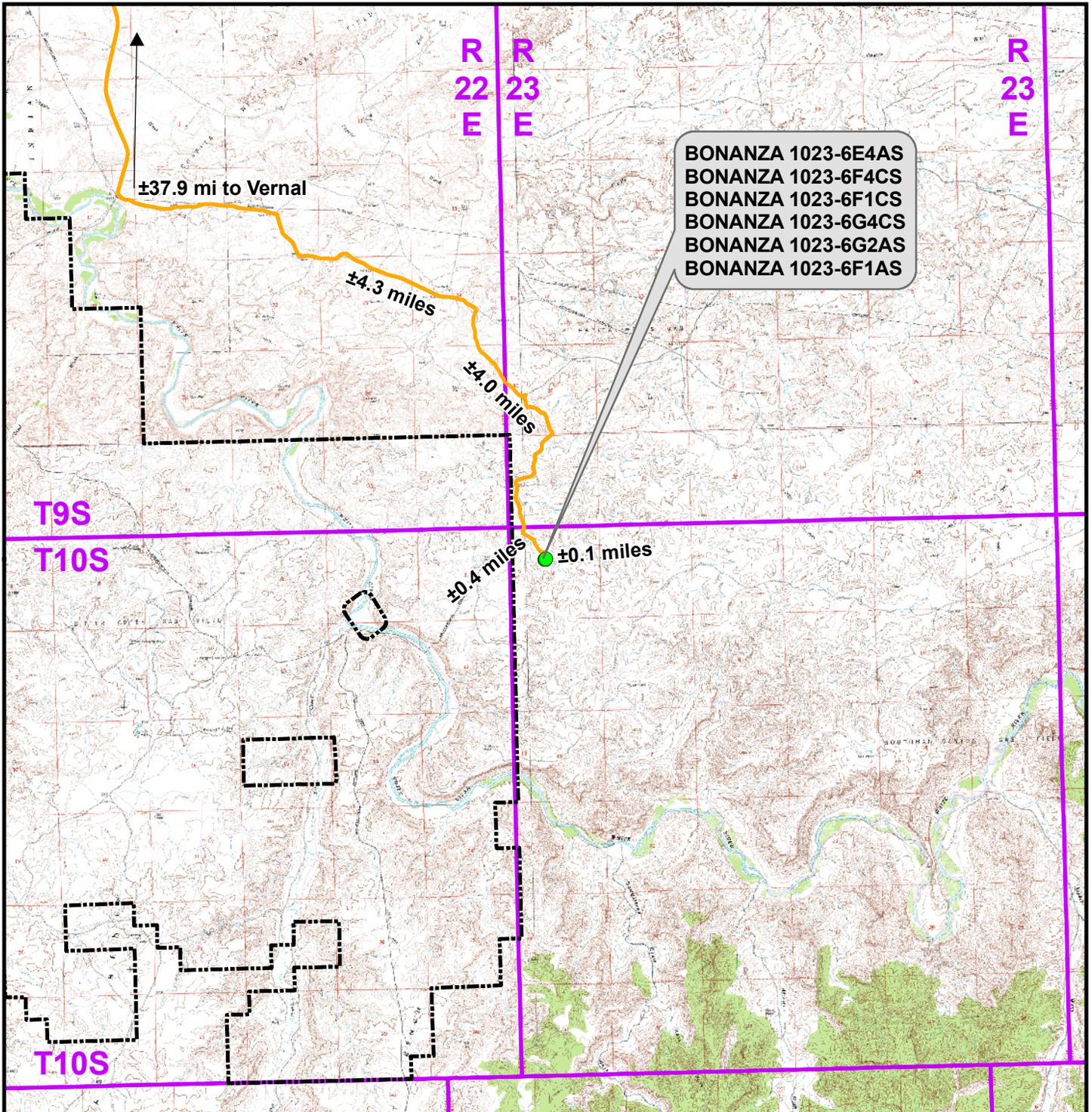
LOCATION PHOTOS
 BONANZA 1023-6E4AS, BONANZA 1023-6F4CS,
 BONANZA 1023-6F1CS, BONANZA 1023-6G4CS,
 BONANZA 1023-6G2AS & BONANZA 1023-6F1AS
 LOCATED IN SECTION 6, T10S, R23E,
 S.L.B.&M., UINTAH COUNTY, UTAH.



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DATE PHOTOS TAKEN: 03-04-10	PHOTOS TAKEN BY: K.B.C.	SHEET NO: 11
DATE DRAWN: 03-11-10	DRAWN BY: M.W.W.	
Date Last Revised:		11 OF 18



BONANZA 1023-6E4AS
 BONANZA 1023-6F4CS
 BONANZA 1023-6F1CS
 BONANZA 1023-6G4CS
 BONANZA 1023-6G2AS
 BONANZA 1023-6F1AS

Legend

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

Distance From Well Pad - BONANZA 1023-6F To Unit Boundary: ±2,024ft

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

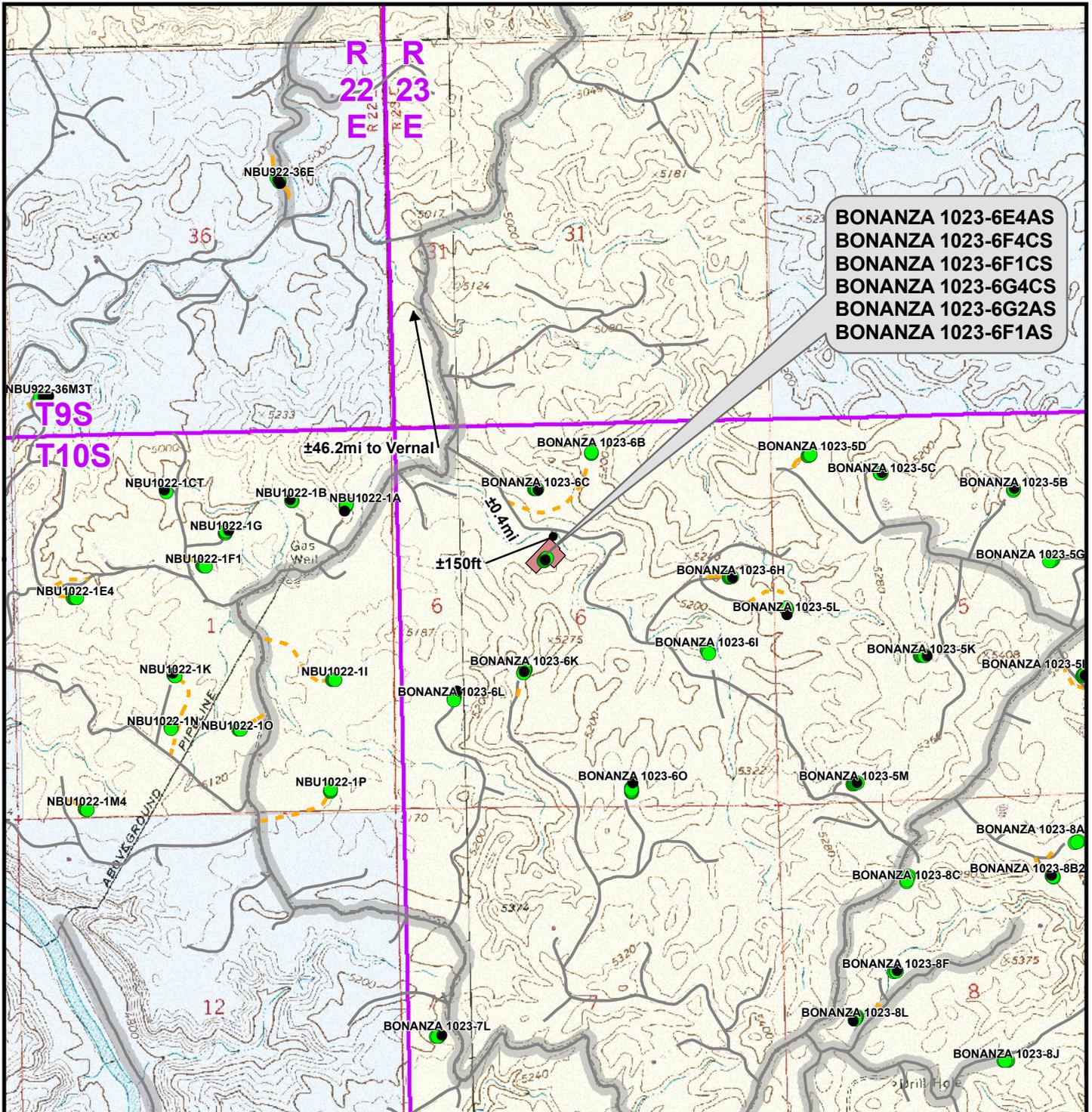
WELL PAD - BONANZA 1023-6F

TOPO A
 BONANZA 1023-6E4AS, BONANZA 1023-6F4CS,
 BONANZA 1023-6F1CS, BONANZA 1023-6G4CS
 BONANZA 1023-6G2AS & BONANZA 1023-6F1AS
 LOCATED IN SECTION 6, T10S, R23E
 S.L.B.&M., UINTAH COUNTY, UTAH

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 371 Coffeen Avenue
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 Fax (307) 674-0182



Scale: 1:100,000	NAD83 USP Central	Sheet No:
Drawn: CPS	Date: 13 Apr 2010	12
Revised: JID	Date: 6 Aug 2010	



**BONANZA 1023-6E4AS
 BONANZA 1023-6F4CS
 BONANZA 1023-6F1CS
 BONANZA 1023-6G4CS
 BONANZA 1023-6G2AS
 BONANZA 1023-6F1AS**

Legend

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

Total Proposed Road Length: ±0ft

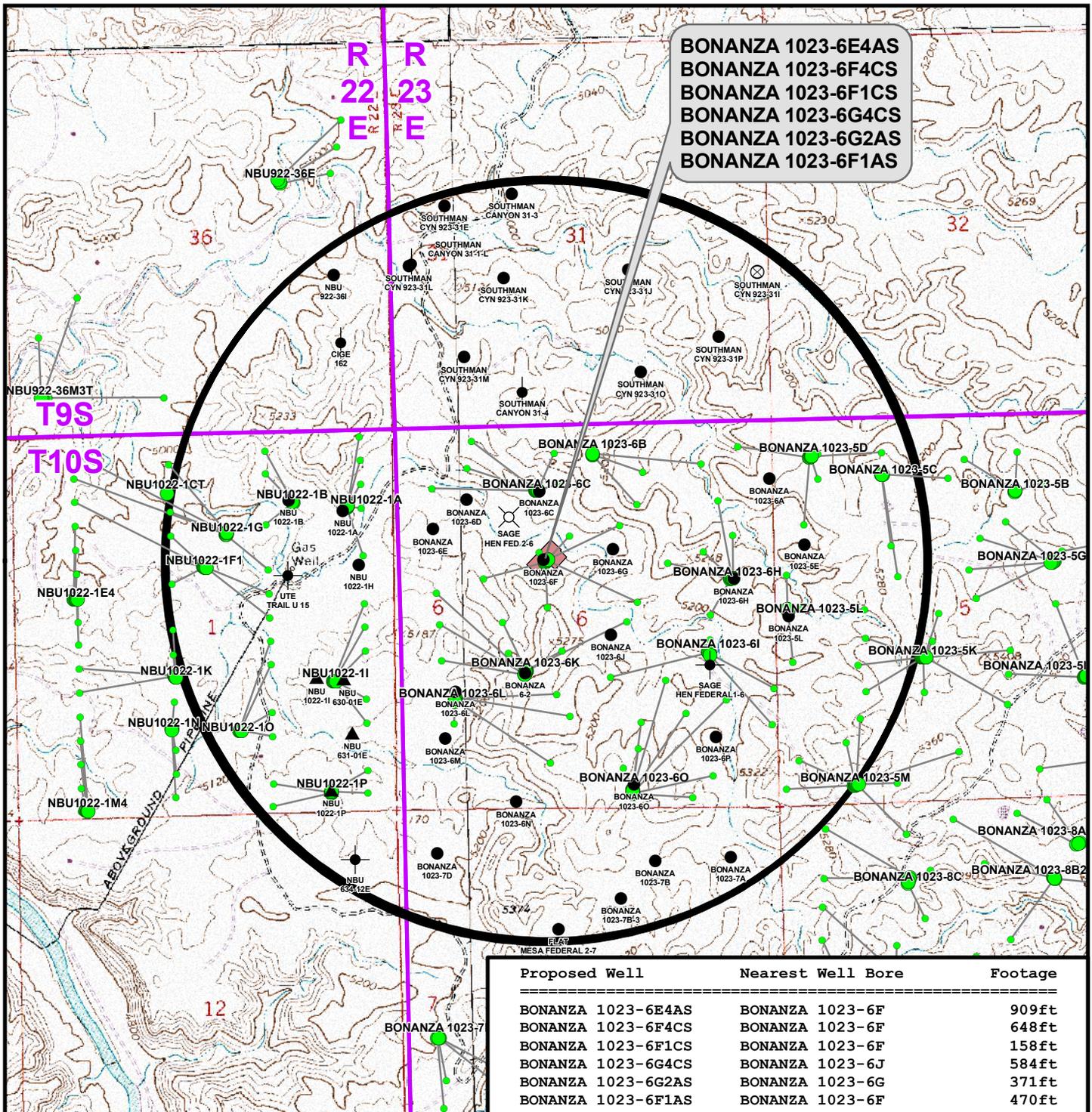
Kerr-McGee Oil & Gas Onshore, LP
 1099 18th Street, Denver, Colorado 80202

WELL PAD - BONANZA 1023-6F

TOPO B
 BONANZA 1023-6E4AS, BONANZA 1023-6F4CS,
 BONANZA 1023-6F1CS, BONANZA 1023-6G4CS
 BONANZA 1023-6G2AS & BONANZA 1023-6F1AS
 LOCATED IN SECTION 6, T10S, R23E
 S.L.B.&M., UTAH COUNTY, UTAH

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

Scale: 1" = 2,000ft	NAD83 USP Central	Sheet No:
Drawn: CPS	Date: 13 Apr 2010	13
Revised: JID	Date: 6 Aug 2010	



Proposed Well	Nearest Well Bore	Footage
BONANZA 1023-6E4AS	BONANZA 1023-6F	909ft
BONANZA 1023-6F4CS	BONANZA 1023-6F	648ft
BONANZA 1023-6F1CS	BONANZA 1023-6F	158ft
BONANZA 1023-6G4CS	BONANZA 1023-6J	584ft
BONANZA 1023-6G2AS	BONANZA 1023-6G	371ft
BONANZA 1023-6F1AS	BONANZA 1023-6F	470ft

Legend

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

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

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

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

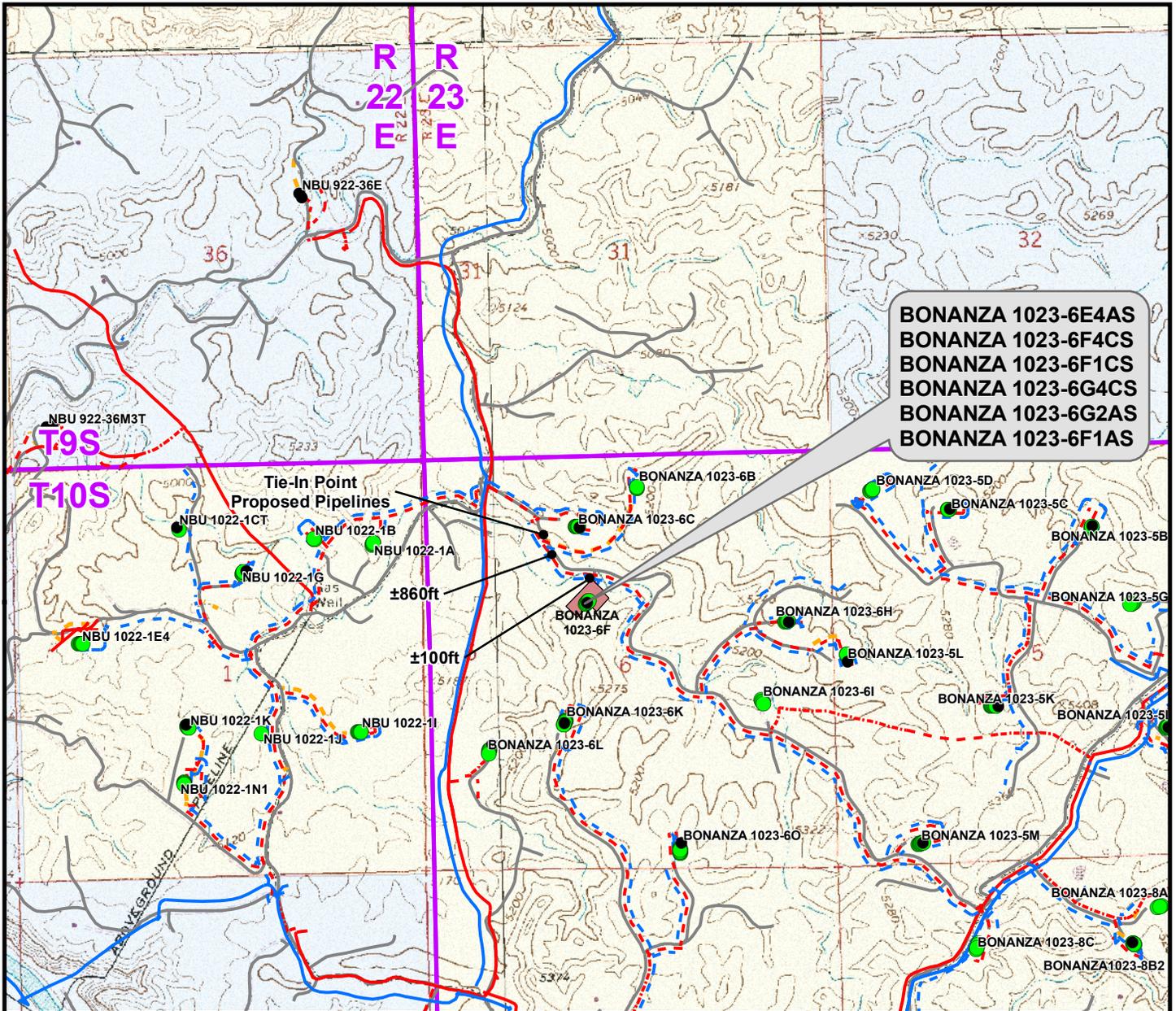
WELL PAD - BONANZA 1023-6F

TOPO C
BONANZA 1023-6E4AS, BONANZA 1023-6F4CS,
BONANZA 1023-6F1CS, BONANZA 1023-6G4CS
BONANZA 1023-6G2AS & BONANZA 1023-6F1AS
LOCATED IN SECTION 6, T10S, R23E
S.L.B.&M., UINTAH COUNTY, UTAH

609
CONSULTING, LLC
371 Coffeen Avenue
Sheridan, WY 82801
Phone (307) 674-0609
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Scale: 1" = 2,000ft	NAD83 USP Central	Sheet No:
Drawn: CPS	Date: 13 Apr 2010	14
Revised: JID	Date: 6 Aug 2010	



**BONANZA 1023-6E4AS
 BONANZA 1023-6F4CS
 BONANZA 1023-6F1CS
 BONANZA 1023-6G4CS
 BONANZA 1023-6G2AS
 BONANZA 1023-6F1AS**

Proposed Liquid Pipeline	Length	Proposed Gas Pipeline	Length
Proposed 6" (First Meter House to Edge of Pad)	±670ft	Proposed 6" (First Meter House to Edge of Pad)	±670ft
Proposed 6" (Edge of Pad to 6B Intersection)	±960ft	Proposed 6" (Edge of Pad to Proposed 16" Pipeline)	±100ft
		Proposed 16" (Proposed 16" Pipeline to 6B Intersection)	±860ft
TOTAL PROPOSED LIQUID PIPELINE =	± 1,630ft	TOTAL PROPOSED GAS PIPELINE =	±1,630ft

Legend

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

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

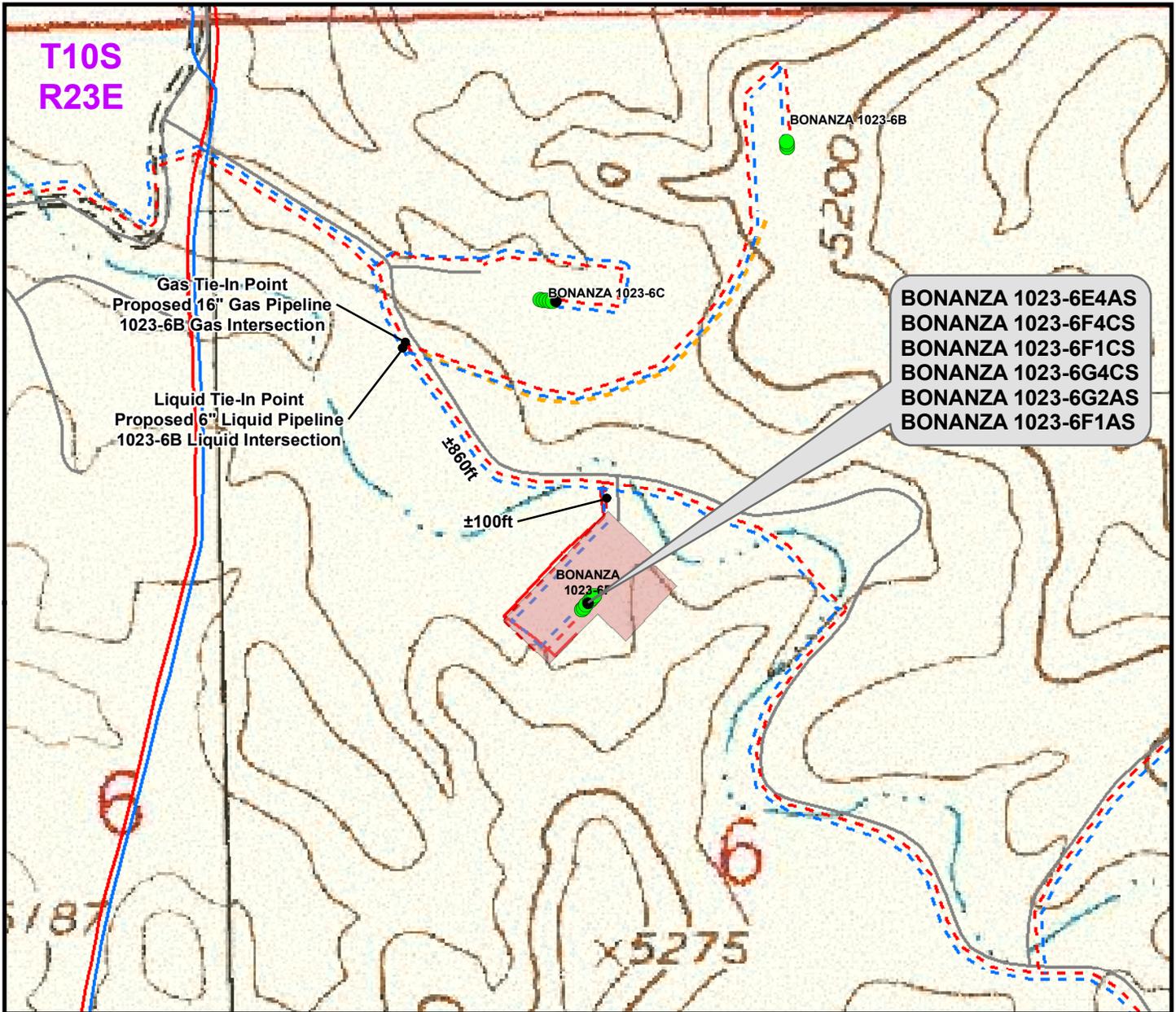
WELL PAD - BONANZA 1023-6F

TOPO D
 BONANZA 1023-6E4AS, BONANZA 1023-6F4CS,
 BONANZA 1023-6F1CS, BONANZA 1023-6G4CS
 BONANZA 1023-6G2AS & BONANZA 1023-6F1AS
 LOCATED IN SECTION 6, T10S, R23E
 S.L.B.&M., UTAH COUNTY, UTAH

609
 CONSULTING, LLC
 371 Coffeen Avenue
 Sheridan, WY 82801
 Phone (307) 674-0609
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Scale: 1" = 2,000ft	NAD83 USP Central	Sheet No:
Drawn: CPS	Date: 13 Apr 2010	15
Revised: CPS	Date: 15 Oct 2010	



**BONANZA 1023-6E4AS
 BONANZA 1023-6F4CS
 BONANZA 1023-6F1CS
 BONANZA 1023-6G4CS
 BONANZA 1023-6G2AS
 BONANZA 1023-6F1AS**

Proposed Liquid Pipeline	Length	Proposed Gas Pipeline	Length
Proposed 6" (First Meter House to Edge of Pad)	±670ft	Proposed 6" (First Meter House to Edge of Pad)	±670ft
Proposed 6" (Edge of Pad to 6B Intersection)	±960ft	Proposed 6" (Edge of Pad to Proposed 16" Pipeline)	±100ft
		Proposed 16" (Proposed 16" Pipeline to 6B Intersection)	±860ft
TOTAL PROPOSED LIQUID PIPELINE =	± 1,630ft	TOTAL PROPOSED GAS PIPELINE =	±1,630ft

Legend

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

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

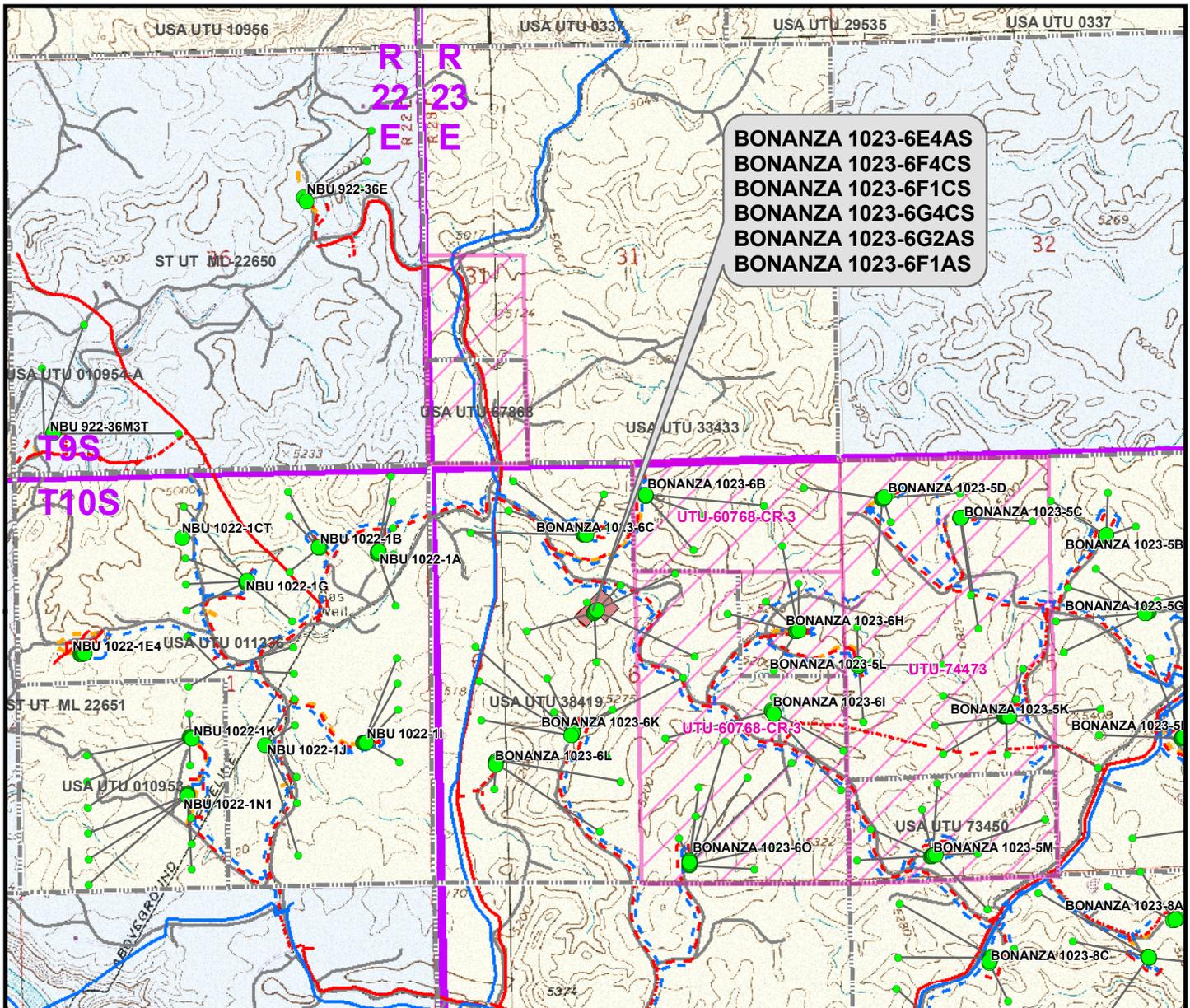
WELL PAD - BONANZA 1023-6F

TOPO D2 (PAD & PIPELINE DETAIL)
 BONANZA 1023-6E4AS, BONANZA 1023-6F4CS,
 BONANZA 1023-6F1CS, BONANZA 1023-6G4CS
 BONANZA 1023-6G2AS & BONANZA 1023-6F1AS
 LOCATED IN SECTION 6, T10S, R23E
 S.L.B.&M., UINTAH COUNTY, UTAH

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



Scale: 1" = 500ft	NAD83 USP Central	Sheet No:
Drawn: CPS	Date: 13 Apr 2010	16 16 of 18
Revised: CPS	Date: 15 Oct 2010	



**BONANZA 1023-6E4AS
 BONANZA 1023-6F4CS
 BONANZA 1023-6F1CS
 BONANZA 1023-6G4CS
 BONANZA 1023-6G2AS
 BONANZA 1023-6F1AS**

Proposed Well	Distance To Nearest CA Boundary
BONANZA 1023-6E4AS	1,433ft
BONANZA 1023-6F4CS	556ft
BONANZA 1023-6F1CS	652ft
BONANZA 1023-6G4CS	695ft
BONANZA 1023-6G2AS	475ft
BONANZA 1023-6F1AS	223ft

Proposed Well	Distance To Nearest Lease Boundary
BONANZA 1023-6E4AS	1,164ft
BONANZA 1023-6F4CS	1,309ft
BONANZA 1023-6F1CS	772ft
BONANZA 1023-6G4CS	624ft
BONANZA 1023-6G2AS	73ft
BONANZA 1023-6F1AS	301ft

Legend

- Well - Proposed
- Bottom Hole - Proposed
- Well Path
- Well Pad
- CA Agreement
- Lease Boundary
- - - Gas Pipeline - Proposed
- · - · - Gas Pipeline - To Be Upgraded
- Gas Pipeline - Existing
- - - Liquid Pipeline - Proposed
- · - · - Liquid Pipeline - To Be Upgraded
- Liquid Pipeline - Existing
- Road - Proposed
- Road - Existing
- Bureau of Land Management (BLM)
- Indian Reservation
- State
- Private

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

WELL PAD - BONANZA 1023-6F

TOPO E
 BONANZA 1023-6E4AS, BONANZA 1023-6F4CS,
 BONANZA 1023-6F1CS, BONANZA 1023-6G4CS
 BONANZA 1023-6G2AS & BONANZA 1023-6F1AS
 LOCATED IN SECTION 6, 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



Scale: 1" = 2000ft	NAD83 USP Central	Sheet No:
Drawn: CPS	Date: 13 Apr 2010	17
Revised: CPS	Date: 15 Oct 2010	

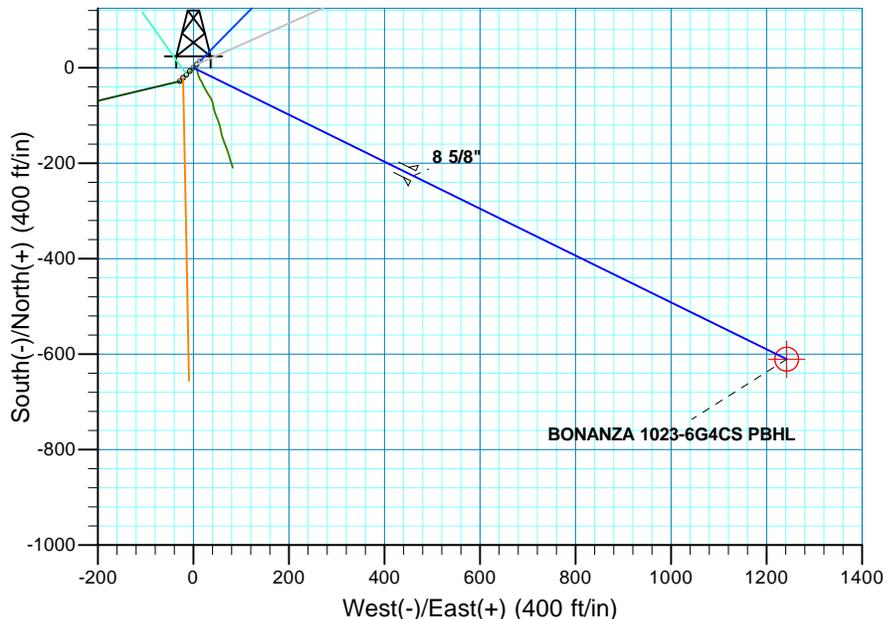
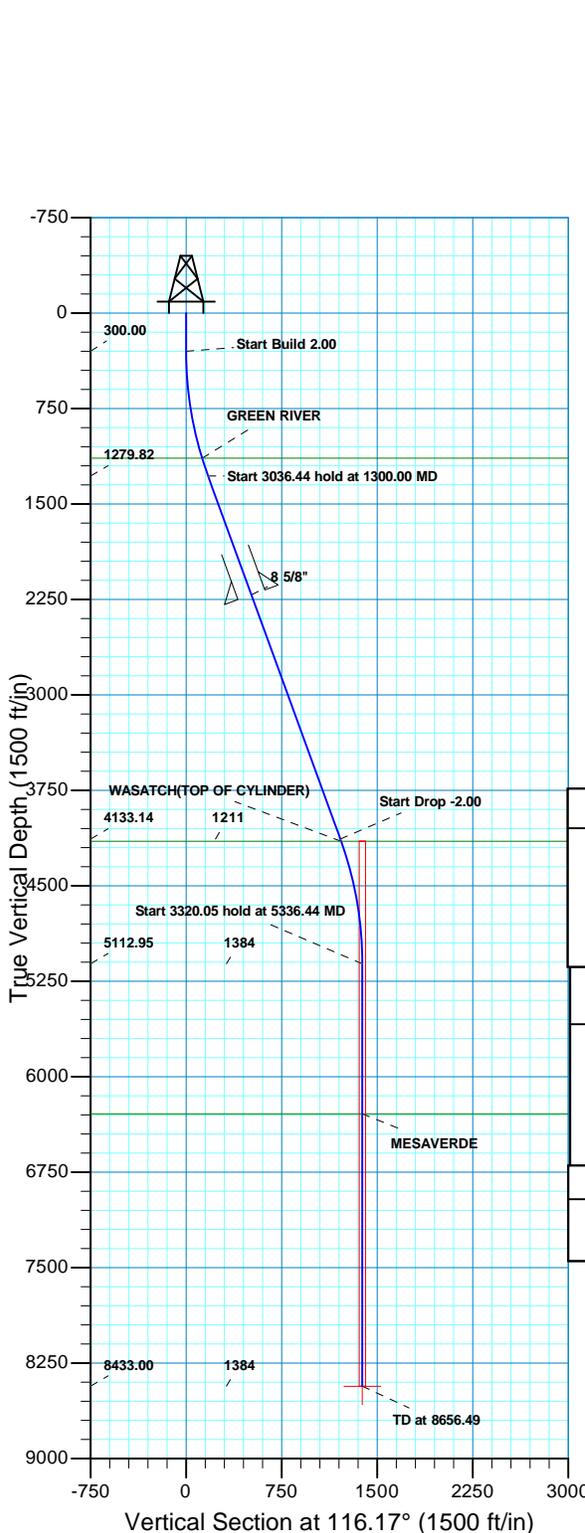
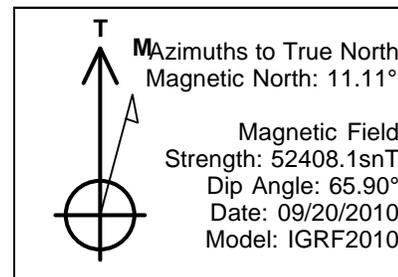
**Kerr-McGee Oil & Gas Onshore, LP
WELL PAD – BONANZA 1023-6F
WELLS – BONANZA 1023-6F1AS, BONANZA 1023-6G2AS,
BONANZA 1023-6G4CS, BONANZA 1023-6F1CS,
BONANZA 1023-6F4CS & BONANZA 1023-6E4AS
Section 6, T10S, R23E, S.L.B.&M.**

From the intersection of U.S. Highway 40 and 500 East Street in Vernal, Utah proceed in an easterly then southerly direction along U.S. Highway 40 approximately 3.3 miles to the junction of State Highway 45; exit right and proceed in a southerly direction along State Highway 45 approximately 20.2 miles to the junction of the Glen Bench Road (County B Road 3260). Exit right and proceed in a southwesterly direction along the Glen Bench Road approximately 14.4 miles to the intersection of the Chipeta Wells Road (County B Road 3410) which road intersection is approximately 400 feet northeast of the Mountain Fuel Bridge, at the White River. Exit left and proceed in a southeasterly direction along the Chipeta Wells Road approximately 4.3 miles to the intersection of the Atchee Wash Road (County B Road 4240). Exit right and proceed in a southeasterly, then southerly direction along the Atchee Wash Road approximately 4.0 miles to a service road to the left. Exit left and proceed in a southeasterly direction along service road approximately 0.4 miles to a second service road to the right. Exit right and proceed in a southerly direction along the service road approximately 150 feet to the proposed well pad.

Total distance from Vernal, Utah to the proposed well location is approximately 46.6 miles in a southerly direction.

WELL DETAILS: BONANZA 1023-6G4CS					
GL 5123' & RKB 14' @ 5137.00ft (ASSUMED)					
+N/-S 0.00	+E/-W 0.00	Northing 14522979.67	Easting 2096826.52	Latitude 39° 58' 48.475 N	Longitude 109° 22' 14.934 W

DESIGN TARGET DETAILS								
Name PBHL	TVD 8433.00	+N/-S -610.40	+E/-W 1242.19	Northing 14522392.06	Easting 2098079.65	Latitude 39° 58' 42.442 N	Longitude 109° 21' 58.975 W	Shape Circle (Radius: 25.00)
- plan hits target center								



SECTION DETAILS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	
1300.00	20.00	116.17	1279.82	-76.19	155.06	2.00	116.17	172.77	
4336.44	20.00	116.17	4133.14	-534.21	1087.13	0.00	0.00	1211.29	
5336.44	0.00	0.00	5112.95	-610.40	1242.19	2.00	180.00	1384.06	
8656.49	0.00	0.00	8433.00	-610.40	1242.19	0.00	0.00	1384.06	BONANZA 1023-6G4CS PBHL
PROJECT DETAILS: Uintah County, UT UTM12					FORMATION TOP DETAILS				
Geodetic System: Universal Transverse Mercator (US Survey Feet)					TVDPPath: 1141.00				
Datum: NAD 1927 - Western US					MDPath: 1153.57				
Ellipsoid: Clarke 1866					Formation: GREEN RIVER				
Zone: Zone 12N (114 W to 108 W)					4151.00: 4355.43 WASATCH(TOP OF CYLINDER)				
Location: SEC 6 T10S R23E					6292.00: 6515.49 MESAVERDE				
System Datum: Mean Sea Level									
CASING DETAILS									
			TVD	MD	Name	Size			
			2215.00	2295.20	8 5/8"	8.625			



Scientific Drilling
Rocky Mountain Operations

Kerr McGee Oil and Gas Onshore LP

**Uintah County, UT UTM12
Bonanza 1023-6F Pad
BONANZA 1023-6G4CS**

OH

Plan: PLAN #1

Standard Planning Report

20 September, 2010

Database:	EDM5000-RobertS-Local	Local Co-ordinate Reference:	Well BONANZA 1023-6G4CS
Company:	Kerr McGee Oil and Gas Onshore LP	TVD Reference:	GL 5123' & RKB 14' @ 5137.00ft (ASSUMED)
Project:	Uintah County, UT UTM12	MD Reference:	GL 5123' & RKB 14' @ 5137.00ft (ASSUMED)
Site:	Bonanza 1023-6F Pad	North Reference:	True
Well:	BONANZA 1023-6G4CS	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1		

Project	Uintah County, UT UTM12		
Map System:	Universal Transverse Mercator (US Survey Feet)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 - Western US		
Map Zone:	Zone 12N (114 W to 108 W)		

Site	Bonanza 1023-6F Pad, SEC 6 T10S R23E				
Site Position:		Northing:	14,522,994.13 usft	Latitude:	39° 58' 48.616 N
From:	Lat/Long	Easting:	2,096,840.26 usft	Longitude:	109° 22' 14.754 W
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in	Grid Convergence:	1.05 °

Well	BONANZA 1023-6G4CS, 1874' FNL 2053' FWL					
Well Position	+N/-S	-14.20 ft	Northing:	14,522,979.67 usft	Latitude:	39° 58' 48.475 N
	+E/-W	-14.01 ft	Easting:	2,096,826.51 usft	Longitude:	109° 22' 14.934 W
Position Uncertainty		0.00 ft	Wellhead Elevation:		Ground Level:	5,123.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	09/20/2010	11.11	65.90	52,408

Design	PLAN #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	116.17

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,300.00	20.00	116.17	1,279.82	-76.19	155.06	2.00	2.00	0.00	116.17	
4,336.44	20.00	116.17	4,133.14	-534.21	1,087.13	0.00	0.00	0.00	0.00	
5,336.44	0.00	0.00	5,112.95	-610.40	1,242.19	2.00	-2.00	0.00	180.00	
8,656.49	0.00	0.00	8,433.00	-610.40	1,242.19	0.00	0.00	0.00	0.00	BONANZA 1023-6G4

Database:	EDM5000-RobertS-Local	Local Co-ordinate Reference:	Well BONANZA 1023-6G4CS
Company:	Kerr McGee Oil and Gas Onshore LP	TVD Reference:	GL 5123' & RKB 14' @ 5137.00ft (ASSUMED)
Project:	Uintah County, UT UTM12	MD Reference:	GL 5123' & RKB 14' @ 5137.00ft (ASSUMED)
Site:	Bonanza 1023-6F Pad	North Reference:	True
Well:	BONANZA 1023-6G4CS	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
Start Build 2.00										
400.00	2.00	116.17	399.98	-0.77	1.57	1.75	2.00	2.00	0.00	
500.00	4.00	116.17	499.84	-3.08	6.26	6.98	2.00	2.00	0.00	
600.00	6.00	116.17	599.45	-6.92	14.08	15.69	2.00	2.00	0.00	
700.00	8.00	116.17	698.70	-12.30	25.02	27.88	2.00	2.00	0.00	
800.00	10.00	116.17	797.47	-19.19	39.06	43.52	2.00	2.00	0.00	
900.00	12.00	116.17	895.62	-27.61	56.19	62.60	2.00	2.00	0.00	
1,000.00	14.00	116.17	993.06	-37.53	76.37	85.10	2.00	2.00	0.00	
1,100.00	16.00	116.17	1,089.64	-48.94	99.60	110.98	2.00	2.00	0.00	
1,153.57	17.07	116.17	1,141.00	-55.67	113.29	126.22	2.00	2.00	0.00	
GREEN RIVER										
1,200.00	18.00	116.17	1,185.27	-61.84	125.84	140.21	2.00	2.00	0.00	
1,300.00	20.00	116.17	1,279.82	-76.19	155.06	172.77	2.00	2.00	0.00	
Start 3036.44 hold at 1300.00 MD										
1,400.00	20.00	116.17	1,373.78	-91.28	185.75	206.97	0.00	0.00	0.00	
1,500.00	20.00	116.17	1,467.75	-106.36	216.45	241.17	0.00	0.00	0.00	
1,600.00	20.00	116.17	1,561.72	-121.45	247.15	275.37	0.00	0.00	0.00	
1,700.00	20.00	116.17	1,655.69	-136.53	277.84	309.58	0.00	0.00	0.00	
1,800.00	20.00	116.17	1,749.66	-151.61	308.54	343.78	0.00	0.00	0.00	
1,900.00	20.00	116.17	1,843.63	-166.70	339.24	377.98	0.00	0.00	0.00	
2,000.00	20.00	116.17	1,937.60	-181.78	369.93	412.18	0.00	0.00	0.00	
2,100.00	20.00	116.17	2,031.57	-196.87	400.63	446.38	0.00	0.00	0.00	
2,200.00	20.00	116.17	2,125.54	-211.95	431.32	480.59	0.00	0.00	0.00	
2,295.20	20.00	116.17	2,215.00	-226.31	460.55	513.15	0.00	0.00	0.00	
8 5/8"										
2,300.00	20.00	116.17	2,219.51	-227.03	462.02	514.79	0.00	0.00	0.00	
2,400.00	20.00	116.17	2,313.48	-242.12	492.72	548.99	0.00	0.00	0.00	
2,500.00	20.00	116.17	2,407.45	-257.20	523.41	583.19	0.00	0.00	0.00	
2,600.00	20.00	116.17	2,501.42	-272.29	554.11	617.39	0.00	0.00	0.00	
2,700.00	20.00	116.17	2,595.39	-287.37	584.80	651.60	0.00	0.00	0.00	
2,800.00	20.00	116.17	2,689.35	-302.45	615.50	685.80	0.00	0.00	0.00	
2,900.00	20.00	116.17	2,783.32	-317.54	646.20	720.00	0.00	0.00	0.00	
3,000.00	20.00	116.17	2,877.29	-332.62	676.89	754.20	0.00	0.00	0.00	
3,100.00	20.00	116.17	2,971.26	-347.71	707.59	788.40	0.00	0.00	0.00	
3,200.00	20.00	116.17	3,065.23	-362.79	738.29	822.61	0.00	0.00	0.00	
3,300.00	20.00	116.17	3,159.20	-377.87	768.98	856.81	0.00	0.00	0.00	
3,400.00	20.00	116.17	3,253.17	-392.96	799.68	891.01	0.00	0.00	0.00	
3,500.00	20.00	116.17	3,347.14	-408.04	830.37	925.21	0.00	0.00	0.00	
3,600.00	20.00	116.17	3,441.11	-423.13	861.07	959.41	0.00	0.00	0.00	
3,700.00	20.00	116.17	3,535.08	-438.21	891.77	993.62	0.00	0.00	0.00	
3,800.00	20.00	116.17	3,629.05	-453.29	922.46	1,027.82	0.00	0.00	0.00	
3,900.00	20.00	116.17	3,723.02	-468.38	953.16	1,062.02	0.00	0.00	0.00	
4,000.00	20.00	116.17	3,816.99	-483.46	983.85	1,096.22	0.00	0.00	0.00	
4,100.00	20.00	116.17	3,910.95	-498.54	1,014.55	1,130.42	0.00	0.00	0.00	
4,200.00	20.00	116.17	4,004.92	-513.63	1,045.25	1,164.63	0.00	0.00	0.00	
4,300.00	20.00	116.17	4,098.89	-528.71	1,075.94	1,198.83	0.00	0.00	0.00	
4,336.44	20.00	116.17	4,133.14	-534.21	1,087.13	1,211.29	0.00	0.00	0.00	

Database:	EDM5000-RobertS-Local	Local Co-ordinate Reference:	Well BONANZA 1023-6G4CS
Company:	Kerr McGee Oil and Gas Onshore LP	TVD Reference:	GL 5123' & RKB 14' @ 5137.00ft (ASSUMED)
Project:	Uintah County, UT UTM12	MD Reference:	GL 5123' & RKB 14' @ 5137.00ft (ASSUMED)
Site:	Bonanza 1023-6F Pad	North Reference:	True
Well:	BONANZA 1023-6G4CS	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
Start Drop -2.00										
4,355.43	19.62	116.17	4,151.00	-537.05	1,092.90	1,217.73	2.00	-2.00	0.00	
WASATCH(TOP OF CYLINDER)										
4,400.00	18.73	116.17	4,193.10	-543.50	1,106.04	1,232.37	2.00	-2.00	0.00	
4,500.00	16.73	116.17	4,288.34	-556.93	1,133.37	1,262.82	2.00	-2.00	0.00	
4,600.00	14.73	116.17	4,384.60	-568.89	1,157.70	1,289.92	2.00	-2.00	0.00	
4,700.00	12.73	116.17	4,481.73	-579.35	1,179.00	1,313.65	2.00	-2.00	0.00	
4,800.00	10.73	116.17	4,579.64	-588.32	1,197.24	1,333.98	2.00	-2.00	0.00	
4,900.00	8.73	116.17	4,678.20	-595.77	1,212.41	1,350.88	2.00	-2.00	0.00	
5,000.00	6.73	116.17	4,777.28	-601.70	1,224.48	1,364.33	2.00	-2.00	0.00	
5,100.00	4.73	116.17	4,876.78	-606.10	1,233.43	1,374.31	2.00	-2.00	0.00	
5,200.00	2.73	116.17	4,976.56	-608.97	1,239.27	1,380.81	2.00	-2.00	0.00	
5,300.00	0.73	116.17	5,076.51	-610.30	1,241.98	1,383.83	2.00	-2.00	0.00	
5,336.44	0.00	0.00	5,112.95	-610.40	1,242.19	1,384.06	2.00	-2.00	0.00	
Start 3320.05 hold at 5336.44 MD										
5,400.00	0.00	0.00	5,176.51	-610.40	1,242.19	1,384.06	0.00	0.00	0.00	
5,500.00	0.00	0.00	5,276.51	-610.40	1,242.19	1,384.06	0.00	0.00	0.00	
5,600.00	0.00	0.00	5,376.51	-610.40	1,242.19	1,384.06	0.00	0.00	0.00	
5,700.00	0.00	0.00	5,476.51	-610.40	1,242.19	1,384.06	0.00	0.00	0.00	
5,800.00	0.00	0.00	5,576.51	-610.40	1,242.19	1,384.06	0.00	0.00	0.00	
5,900.00	0.00	0.00	5,676.51	-610.40	1,242.19	1,384.06	0.00	0.00	0.00	
6,000.00	0.00	0.00	5,776.51	-610.40	1,242.19	1,384.06	0.00	0.00	0.00	
6,100.00	0.00	0.00	5,876.51	-610.40	1,242.19	1,384.06	0.00	0.00	0.00	
6,200.00	0.00	0.00	5,976.51	-610.40	1,242.19	1,384.06	0.00	0.00	0.00	
6,300.00	0.00	0.00	6,076.51	-610.40	1,242.19	1,384.06	0.00	0.00	0.00	
6,400.00	0.00	0.00	6,176.51	-610.40	1,242.19	1,384.06	0.00	0.00	0.00	
6,500.00	0.00	0.00	6,276.51	-610.40	1,242.19	1,384.06	0.00	0.00	0.00	
6,515.49	0.00	0.00	6,292.00	-610.40	1,242.19	1,384.06	0.00	0.00	0.00	
MESAVERDE										
6,600.00	0.00	0.00	6,376.51	-610.40	1,242.19	1,384.06	0.00	0.00	0.00	
6,700.00	0.00	0.00	6,476.51	-610.40	1,242.19	1,384.06	0.00	0.00	0.00	
6,800.00	0.00	0.00	6,576.51	-610.40	1,242.19	1,384.06	0.00	0.00	0.00	
6,900.00	0.00	0.00	6,676.51	-610.40	1,242.19	1,384.06	0.00	0.00	0.00	
7,000.00	0.00	0.00	6,776.51	-610.40	1,242.19	1,384.06	0.00	0.00	0.00	
7,100.00	0.00	0.00	6,876.51	-610.40	1,242.19	1,384.06	0.00	0.00	0.00	
7,200.00	0.00	0.00	6,976.51	-610.40	1,242.19	1,384.06	0.00	0.00	0.00	
7,300.00	0.00	0.00	7,076.51	-610.40	1,242.19	1,384.06	0.00	0.00	0.00	
7,400.00	0.00	0.00	7,176.51	-610.40	1,242.19	1,384.06	0.00	0.00	0.00	
7,500.00	0.00	0.00	7,276.51	-610.40	1,242.19	1,384.06	0.00	0.00	0.00	
7,600.00	0.00	0.00	7,376.51	-610.40	1,242.19	1,384.06	0.00	0.00	0.00	
7,700.00	0.00	0.00	7,476.51	-610.40	1,242.19	1,384.06	0.00	0.00	0.00	
7,800.00	0.00	0.00	7,576.51	-610.40	1,242.19	1,384.06	0.00	0.00	0.00	
7,900.00	0.00	0.00	7,676.51	-610.40	1,242.19	1,384.06	0.00	0.00	0.00	
8,000.00	0.00	0.00	7,776.51	-610.40	1,242.19	1,384.06	0.00	0.00	0.00	
8,100.00	0.00	0.00	7,876.51	-610.40	1,242.19	1,384.06	0.00	0.00	0.00	
8,200.00	0.00	0.00	7,976.51	-610.40	1,242.19	1,384.06	0.00	0.00	0.00	
8,300.00	0.00	0.00	8,076.51	-610.40	1,242.19	1,384.06	0.00	0.00	0.00	
8,400.00	0.00	0.00	8,176.51	-610.40	1,242.19	1,384.06	0.00	0.00	0.00	
8,500.00	0.00	0.00	8,276.51	-610.40	1,242.19	1,384.06	0.00	0.00	0.00	
8,600.00	0.00	0.00	8,376.51	-610.40	1,242.19	1,384.06	0.00	0.00	0.00	
8,656.49	0.00	0.00	8,433.00	-610.40	1,242.19	1,384.06	0.00	0.00	0.00	

Database:	EDM5000-RobertS-Local	Local Co-ordinate Reference:	Well BONANZA 1023-6G4CS
Company:	Kerr McGee Oil and Gas Onshore LP	TVD Reference:	GL 5123' & RKB 14' @ 5137.00ft (ASSUMED)
Project:	Uintah County, UT UTM12	MD Reference:	GL 5123' & RKB 14' @ 5137.00ft (ASSUMED)
Site:	Bonanza 1023-6F Pad	North Reference:	True
Well:	BONANZA 1023-6G4CS	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1		

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
TD at 8656.49 - BONANZA 1023-6G4CS PBHL									

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
BONANZA 1023-6G4CS - hit/miss target - Shape - plan hits target center - Circle (radius 25.00)	0.00	0.00	8,433.00	-610.40	1,242.19	14,522,392.07	2,098,079.64	39° 58' 42.442 N	109° 21' 58.975 W

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)
2,295.20	2,215.00	8 5/8"	8.625	11.000

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,153.57	1,141.00	GREEN RIVER			
4,355.43	4,151.00	WASATCH(TOP OF CYLINDER)			
6,515.49	6,292.00	MESAVERDE			

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	+E/-W (ft)	Comment
300.00	300.00	0.00	0.00	Start Build 2.00
1,300.00	1,279.82	-76.19	155.06	Start 3036.44 hold at 1300.00 MD
4,336.44	4,133.14	-534.21	1,087.13	Start Drop -2.00
5,336.44	5,112.95	-610.40	1,242.19	Start 3320.05 hold at 5336.44 MD
8,656.49	8,433.00	-610.40	1,242.19	TD at 8656.49



Scientific Drilling
Rocky Mountain Operations

Kerr McGee Oil and Gas Onshore LP

**Uintah County, UT UTM12
Bonanza 1023-6F Pad
BONANZA 1023-6G4CS**

OH

Plan: PLAN #1

Standard Planning Report - Geographic

20 September, 2010



Database:	EDM5000-RobertS-Local	Local Co-ordinate Reference:	Well BONANZA 1023-6G4CS
Company:	Kerr McGee Oil and Gas Onshore LP	TVD Reference:	GL 5123' & RKB 14' @ 5137.00ft (ASSUMED)
Project:	Uintah County, UT UTM12	MD Reference:	GL 5123' & RKB 14' @ 5137.00ft (ASSUMED)
Site:	Bonanza 1023-6F Pad	North Reference:	True
Well:	BONANZA 1023-6G4CS	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1		

Project	Uintah County, UT UTM12		
Map System:	Universal Transverse Mercator (US Survey Feet)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 - Western US		
Map Zone:	Zone 12N (114 W to 108 W)		

Site	Bonanza 1023-6F Pad, SEC 6 T10S R23E				
Site Position:		Northing:	14,522,994.13 usft	Latitude:	39° 58' 48.616 N
From:	Lat/Long	Easting:	2,096,840.26 usft	Longitude:	109° 22' 14.754 W
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in	Grid Convergence:	1.05 °

Well	BONANZA 1023-6G4CS, 1874' FNL 2053' FWL					
Well Position	+N/-S	0.00 ft	Northing:	14,522,979.67 usft	Latitude:	39° 58' 48.475 N
	+E/-W	0.00 ft	Easting:	2,096,826.51 usft	Longitude:	109° 22' 14.934 W
Position Uncertainty		0.00 ft	Wellhead Elevation:		Ground Level:	5,123.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	09/20/2010	11.11	65.90	52,408

Design	PLAN #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	116.17

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,300.00	20.00	116.17	1,279.82	-76.19	155.06	2.00	2.00	0.00	116.17	
4,336.44	20.00	116.17	4,133.14	-534.21	1,087.13	0.00	0.00	0.00	0.00	
5,336.44	0.00	0.00	5,112.95	-610.40	1,242.19	2.00	-2.00	0.00	180.00	
8,656.49	0.00	0.00	8,433.00	-610.40	1,242.19	0.00	0.00	0.00	0.00	BONANZA 1023-6G4

Database:	EDM5000-RobertS-Local	Local Co-ordinate Reference:	Well BONANZA 1023-6G4CS
Company:	Kerr McGee Oil and Gas Onshore LP	TVD Reference:	GL 5123' & RKB 14' @ 5137.00ft (ASSUMED)
Project:	Uintah County, UT UTM12	MD Reference:	GL 5123' & RKB 14' @ 5137.00ft (ASSUMED)
Site:	Bonanza 1023-6F Pad	North Reference:	True
Well:	BONANZA 1023-6G4CS	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
0.00	0.00	0.00	0.00	0.00	0.00	14,522,979.67	2,096,826.51	39° 58' 48.475 N	109° 22' 14.934 W	
100.00	0.00	0.00	100.00	0.00	0.00	14,522,979.67	2,096,826.51	39° 58' 48.475 N	109° 22' 14.934 W	
200.00	0.00	0.00	200.00	0.00	0.00	14,522,979.67	2,096,826.51	39° 58' 48.475 N	109° 22' 14.934 W	
300.00	0.00	0.00	300.00	0.00	0.00	14,522,979.67	2,096,826.51	39° 58' 48.475 N	109° 22' 14.934 W	
Start Build 2.00										
400.00	2.00	116.17	399.98	-0.77	1.57	14,522,978.93	2,096,828.09	39° 58' 48.468 N	109° 22' 14.914 W	
500.00	4.00	116.17	499.84	-3.08	6.26	14,522,976.71	2,096,832.83	39° 58' 48.445 N	109° 22' 14.854 W	
600.00	6.00	116.17	599.45	-6.92	14.08	14,522,973.01	2,096,840.72	39° 58' 48.407 N	109° 22' 14.753 W	
700.00	8.00	116.17	698.70	-12.30	25.02	14,522,967.83	2,096,851.76	39° 58' 48.354 N	109° 22' 14.613 W	
800.00	10.00	116.17	797.47	-19.19	39.06	14,522,961.19	2,096,865.92	39° 58' 48.285 N	109° 22' 14.432 W	
900.00	12.00	116.17	895.62	-27.61	56.19	14,522,953.09	2,096,883.19	39° 58' 48.202 N	109° 22' 14.212 W	
1,000.00	14.00	116.17	993.06	-37.53	76.37	14,522,943.54	2,096,903.56	39° 58' 48.104 N	109° 22' 13.953 W	
1,100.00	16.00	116.17	1,089.64	-48.94	99.60	14,522,932.56	2,096,926.99	39° 58' 47.991 N	109° 22' 13.654 W	
1,153.57	17.07	116.17	1,141.00	-55.67	113.29	14,522,926.08	2,096,940.80	39° 58' 47.925 N	109° 22' 13.479 W	
GREEN RIVER										
1,200.00	18.00	116.17	1,185.27	-61.84	125.84	14,522,920.14	2,096,953.46	39° 58' 47.864 N	109° 22' 13.317 W	
1,300.00	20.00	116.17	1,279.82	-76.19	155.06	14,522,906.32	2,096,982.94	39° 58' 47.722 N	109° 22' 12.942 W	
Start 3036.44 hold at 1300.00 MD										
1,400.00	20.00	116.17	1,373.78	-91.28	185.75	14,522,891.80	2,097,013.90	39° 58' 47.573 N	109° 22' 12.547 W	
1,500.00	20.00	116.17	1,467.75	-106.36	216.45	14,522,877.28	2,097,044.87	39° 58' 47.424 N	109° 22' 12.153 W	
1,600.00	20.00	116.17	1,561.72	-121.45	247.15	14,522,862.76	2,097,075.84	39° 58' 47.275 N	109° 22' 11.759 W	
1,700.00	20.00	116.17	1,655.69	-136.53	277.84	14,522,848.24	2,097,106.80	39° 58' 47.126 N	109° 22' 11.364 W	
1,800.00	20.00	116.17	1,749.66	-151.61	308.54	14,522,833.72	2,097,137.77	39° 58' 46.977 N	109° 22' 10.970 W	
1,900.00	20.00	116.17	1,843.63	-166.70	339.24	14,522,819.20	2,097,168.74	39° 58' 46.828 N	109° 22' 10.576 W	
2,000.00	20.00	116.17	1,937.60	-181.78	369.93	14,522,804.68	2,097,199.70	39° 58' 46.678 N	109° 22' 10.181 W	
2,100.00	20.00	116.17	2,031.57	-196.87	400.63	14,522,790.16	2,097,230.67	39° 58' 46.529 N	109° 22' 9.787 W	
2,200.00	20.00	116.17	2,125.54	-211.95	431.32	14,522,775.64	2,097,261.64	39° 58' 46.380 N	109° 22' 9.393 W	
2,295.20	20.00	116.17	2,215.00	-226.31	460.55	14,522,761.81	2,097,291.12	39° 58' 46.238 N	109° 22' 9.017 W	
8 5/8"										
2,300.00	20.00	116.17	2,219.51	-227.03	462.02	14,522,761.12	2,097,292.60	39° 58' 46.231 N	109° 22' 8.998 W	
2,400.00	20.00	116.17	2,313.48	-242.12	492.72	14,522,746.60	2,097,323.57	39° 58' 46.082 N	109° 22' 8.604 W	
2,500.00	20.00	116.17	2,407.45	-257.20	523.41	14,522,732.08	2,097,354.54	39° 58' 45.933 N	109° 22' 8.209 W	
2,600.00	20.00	116.17	2,501.42	-272.29	554.11	14,522,717.56	2,097,385.50	39° 58' 45.784 N	109° 22' 7.815 W	
2,700.00	20.00	116.17	2,595.39	-287.37	584.80	14,522,703.04	2,097,416.47	39° 58' 45.635 N	109° 22' 7.421 W	
2,800.00	20.00	116.17	2,689.35	-302.45	615.50	14,522,688.51	2,097,447.44	39° 58' 45.486 N	109° 22' 7.026 W	
2,900.00	20.00	116.17	2,783.32	-317.54	646.20	14,522,673.99	2,097,478.40	39° 58' 45.337 N	109° 22' 6.632 W	
3,000.00	20.00	116.17	2,877.29	-332.62	676.89	14,522,659.47	2,097,509.37	39° 58' 45.187 N	109° 22' 6.238 W	
3,100.00	20.00	116.17	2,971.26	-347.71	707.59	14,522,644.95	2,097,540.34	39° 58' 45.038 N	109° 22' 5.843 W	
3,200.00	20.00	116.17	3,065.23	-362.79	738.29	14,522,630.43	2,097,571.30	39° 58' 44.889 N	109° 22' 5.449 W	
3,300.00	20.00	116.17	3,159.20	-377.87	768.98	14,522,615.91	2,097,602.27	39° 58' 44.740 N	109° 22' 5.055 W	
3,400.00	20.00	116.17	3,253.17	-392.96	799.68	14,522,601.39	2,097,633.24	39° 58' 44.591 N	109° 22' 4.660 W	
3,500.00	20.00	116.17	3,347.14	-408.04	830.37	14,522,586.87	2,097,664.20	39° 58' 44.442 N	109° 22' 4.266 W	
3,600.00	20.00	116.17	3,441.11	-423.13	861.07	14,522,572.35	2,097,695.17	39° 58' 44.293 N	109° 22' 3.871 W	
3,700.00	20.00	116.17	3,535.08	-438.21	891.77	14,522,557.83	2,097,726.14	39° 58' 44.144 N	109° 22' 3.477 W	
3,800.00	20.00	116.17	3,629.05	-453.29	922.46	14,522,543.31	2,097,757.10	39° 58' 43.995 N	109° 22' 3.083 W	
3,900.00	20.00	116.17	3,723.02	-468.38	953.16	14,522,528.79	2,097,788.07	39° 58' 43.846 N	109° 22' 2.688 W	
4,000.00	20.00	116.17	3,816.99	-483.46	983.85	14,522,514.27	2,097,819.04	39° 58' 43.696 N	109° 22' 2.294 W	
4,100.00	20.00	116.17	3,910.95	-498.54	1,014.55	14,522,499.75	2,097,850.00	39° 58' 43.547 N	109° 22' 1.900 W	
4,200.00	20.00	116.17	4,004.92	-513.63	1,045.25	14,522,485.23	2,097,880.97	39° 58' 43.398 N	109° 22' 1.505 W	
4,300.00	20.00	116.17	4,098.89	-528.71	1,075.94	14,522,470.71	2,097,911.94	39° 58' 43.249 N	109° 22' 1.111 W	
4,336.44	20.00	116.17	4,133.14	-534.21	1,087.13	14,522,465.42	2,097,923.22	39° 58' 43.195 N	109° 22' 0.967 W	
Start Drop -2.00										

Database:	EDM5000-RobertS-Local	Local Co-ordinate Reference:	Well BONANZA 1023-6G4CS
Company:	Kerr McGee Oil and Gas Onshore LP	TVD Reference:	GL 5123' & RKB 14' @ 5137.00ft (ASSUMED)
Project:	Uintah County, UT UTM12	MD Reference:	GL 5123' & RKB 14' @ 5137.00ft (ASSUMED)
Site:	Bonanza 1023-6F Pad	North Reference:	True
Well:	BONANZA 1023-6G4CS	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
4,355.43	19.62	116.17	4,151.00	-537.05	1,092.90	14,522,462.68	2,097,929.05	39° 58' 43.167 N	109° 22' 0.893 W	
WASATCH(TOP OF CYLINDER)										
4,400.00	18.73	116.17	4,193.10	-543.50	1,106.04	14,522,456.47	2,097,942.30	39° 58' 43.103 N	109° 22' 0.724 W	
4,500.00	16.73	116.17	4,288.34	-556.93	1,133.37	14,522,443.54	2,097,969.87	39° 58' 42.970 N	109° 22' 0.373 W	
4,600.00	14.73	116.17	4,384.60	-568.89	1,157.70	14,522,432.03	2,097,994.41	39° 58' 42.852 N	109° 22' 0.061 W	
4,700.00	12.73	116.17	4,481.73	-579.35	1,179.00	14,522,421.96	2,098,015.90	39° 58' 42.749 N	109° 21' 59.787 W	
4,800.00	10.73	116.17	4,579.64	-588.32	1,197.24	14,522,413.33	2,098,034.30	39° 58' 42.660 N	109° 21' 59.553 W	
4,900.00	8.73	116.17	4,678.20	-595.77	1,212.41	14,522,406.15	2,098,049.60	39° 58' 42.586 N	109° 21' 59.358 W	
5,000.00	6.73	116.17	4,777.28	-601.70	1,224.48	14,522,400.45	2,098,061.78	39° 58' 42.528 N	109° 21' 59.203 W	
5,100.00	4.73	116.17	4,876.78	-606.10	1,233.43	14,522,396.21	2,098,070.82	39° 58' 42.484 N	109° 21' 59.088 W	
5,200.00	2.73	116.17	4,976.56	-608.97	1,239.27	14,522,393.45	2,098,076.70	39° 58' 42.456 N	109° 21' 59.013 W	
5,300.00	0.73	116.17	5,076.51	-610.30	1,241.98	14,522,392.17	2,098,079.43	39° 58' 42.443 N	109° 21' 58.978 W	
5,336.44	0.00	0.00	5,112.95	-610.40	1,242.19	14,522,392.07	2,098,079.64	39° 58' 42.442 N	109° 21' 58.975 W	
Start 3320.05 hold at 5336.44 MD										
5,400.00	0.00	0.00	5,176.51	-610.40	1,242.19	14,522,392.07	2,098,079.64	39° 58' 42.442 N	109° 21' 58.975 W	
5,500.00	0.00	0.00	5,276.51	-610.40	1,242.19	14,522,392.07	2,098,079.64	39° 58' 42.442 N	109° 21' 58.975 W	
5,600.00	0.00	0.00	5,376.51	-610.40	1,242.19	14,522,392.07	2,098,079.64	39° 58' 42.442 N	109° 21' 58.975 W	
5,700.00	0.00	0.00	5,476.51	-610.40	1,242.19	14,522,392.07	2,098,079.64	39° 58' 42.442 N	109° 21' 58.975 W	
5,800.00	0.00	0.00	5,576.51	-610.40	1,242.19	14,522,392.07	2,098,079.64	39° 58' 42.442 N	109° 21' 58.975 W	
5,900.00	0.00	0.00	5,676.51	-610.40	1,242.19	14,522,392.07	2,098,079.64	39° 58' 42.442 N	109° 21' 58.975 W	
6,000.00	0.00	0.00	5,776.51	-610.40	1,242.19	14,522,392.07	2,098,079.64	39° 58' 42.442 N	109° 21' 58.975 W	
6,100.00	0.00	0.00	5,876.51	-610.40	1,242.19	14,522,392.07	2,098,079.64	39° 58' 42.442 N	109° 21' 58.975 W	
6,200.00	0.00	0.00	5,976.51	-610.40	1,242.19	14,522,392.07	2,098,079.64	39° 58' 42.442 N	109° 21' 58.975 W	
6,300.00	0.00	0.00	6,076.51	-610.40	1,242.19	14,522,392.07	2,098,079.64	39° 58' 42.442 N	109° 21' 58.975 W	
6,400.00	0.00	0.00	6,176.51	-610.40	1,242.19	14,522,392.07	2,098,079.64	39° 58' 42.442 N	109° 21' 58.975 W	
6,500.00	0.00	0.00	6,276.51	-610.40	1,242.19	14,522,392.07	2,098,079.64	39° 58' 42.442 N	109° 21' 58.975 W	
6,515.49	0.00	0.00	6,292.00	-610.40	1,242.19	14,522,392.07	2,098,079.64	39° 58' 42.442 N	109° 21' 58.975 W	
MESAVERDE										
6,600.00	0.00	0.00	6,376.51	-610.40	1,242.19	14,522,392.07	2,098,079.64	39° 58' 42.442 N	109° 21' 58.975 W	
6,700.00	0.00	0.00	6,476.51	-610.40	1,242.19	14,522,392.07	2,098,079.64	39° 58' 42.442 N	109° 21' 58.975 W	
6,800.00	0.00	0.00	6,576.51	-610.40	1,242.19	14,522,392.07	2,098,079.64	39° 58' 42.442 N	109° 21' 58.975 W	
6,900.00	0.00	0.00	6,676.51	-610.40	1,242.19	14,522,392.07	2,098,079.64	39° 58' 42.442 N	109° 21' 58.975 W	
7,000.00	0.00	0.00	6,776.51	-610.40	1,242.19	14,522,392.07	2,098,079.64	39° 58' 42.442 N	109° 21' 58.975 W	
7,100.00	0.00	0.00	6,876.51	-610.40	1,242.19	14,522,392.07	2,098,079.64	39° 58' 42.442 N	109° 21' 58.975 W	
7,200.00	0.00	0.00	6,976.51	-610.40	1,242.19	14,522,392.07	2,098,079.64	39° 58' 42.442 N	109° 21' 58.975 W	
7,300.00	0.00	0.00	7,076.51	-610.40	1,242.19	14,522,392.07	2,098,079.64	39° 58' 42.442 N	109° 21' 58.975 W	
7,400.00	0.00	0.00	7,176.51	-610.40	1,242.19	14,522,392.07	2,098,079.64	39° 58' 42.442 N	109° 21' 58.975 W	
7,500.00	0.00	0.00	7,276.51	-610.40	1,242.19	14,522,392.07	2,098,079.64	39° 58' 42.442 N	109° 21' 58.975 W	
7,600.00	0.00	0.00	7,376.51	-610.40	1,242.19	14,522,392.07	2,098,079.64	39° 58' 42.442 N	109° 21' 58.975 W	
7,700.00	0.00	0.00	7,476.51	-610.40	1,242.19	14,522,392.07	2,098,079.64	39° 58' 42.442 N	109° 21' 58.975 W	
7,800.00	0.00	0.00	7,576.51	-610.40	1,242.19	14,522,392.07	2,098,079.64	39° 58' 42.442 N	109° 21' 58.975 W	
7,900.00	0.00	0.00	7,676.51	-610.40	1,242.19	14,522,392.07	2,098,079.64	39° 58' 42.442 N	109° 21' 58.975 W	
8,000.00	0.00	0.00	7,776.51	-610.40	1,242.19	14,522,392.07	2,098,079.64	39° 58' 42.442 N	109° 21' 58.975 W	
8,100.00	0.00	0.00	7,876.51	-610.40	1,242.19	14,522,392.07	2,098,079.64	39° 58' 42.442 N	109° 21' 58.975 W	
8,200.00	0.00	0.00	7,976.51	-610.40	1,242.19	14,522,392.07	2,098,079.64	39° 58' 42.442 N	109° 21' 58.975 W	
8,300.00	0.00	0.00	8,076.51	-610.40	1,242.19	14,522,392.07	2,098,079.64	39° 58' 42.442 N	109° 21' 58.975 W	
8,400.00	0.00	0.00	8,176.51	-610.40	1,242.19	14,522,392.07	2,098,079.64	39° 58' 42.442 N	109° 21' 58.975 W	
8,500.00	0.00	0.00	8,276.51	-610.40	1,242.19	14,522,392.07	2,098,079.64	39° 58' 42.442 N	109° 21' 58.975 W	
8,600.00	0.00	0.00	8,376.51	-610.40	1,242.19	14,522,392.07	2,098,079.64	39° 58' 42.442 N	109° 21' 58.975 W	
8,656.49	0.00	0.00	8,433.00	-610.40	1,242.19	14,522,392.07	2,098,079.64	39° 58' 42.442 N	109° 21' 58.975 W	
TD at 8656.49 - BONANZA 1023-6G4CS PBHL										

Database:	EDM5000-RobertS-Local	Local Co-ordinate Reference:	Well BONANZA 1023-6G4CS
Company:	Kerr McGee Oil and Gas Onshore LP	TVD Reference:	GL 5123' & RKB 14' @ 5137.00ft (ASSUMED)
Project:	Uintah County, UT UTM12	MD Reference:	GL 5123' & RKB 14' @ 5137.00ft (ASSUMED)
Site:	Bonanza 1023-6F Pad	North Reference:	True
Well:	BONANZA 1023-6G4CS	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1		

Design Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(usft)	(usft)		
- Shape									
BONANZA 1023-6G4CS - plan hits target center - Circle (radius 25.00)	0.00	0.00	8,433.00	-610.40	1,242.19	14,522,392.07	2,098,079.64	39° 58' 42.442 N	109° 21' 58.975 W

Casing Points					
Measured Depth	Vertical Depth	Name	Casing Diameter	Hole Diameter	
(ft)	(ft)		(in)	(in)	
2,295.20	2,215.00	8 5/8"	8.625	11.000	

Formations					
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction
(ft)	(ft)			(°)	(°)
1,153.57	1,141.00	GREEN RIVER			
4,355.43	4,151.00	WASATCH(TOP OF CYLINDER)			
6,515.49	6,292.00	MESAVERDE			

Plan Annotations					
Measured Depth	Vertical Depth	Local Coordinates		Comment	
(ft)	(ft)	+N/-S	+E/-W		
(ft)	(ft)	(ft)	(ft)		
300.00	300.00	0.00	0.00	Start Build 2.00	
1,300.00	1,279.82	-76.19	155.06	Start 3036.44 hold at 1300.00 MD	
4,336.44	4,133.14	-534.21	1,087.13	Start Drop -2.00	
5,336.44	5,112.95	-610.40	1,242.19	Start 3320.05 hold at 5336.44 MD	
8,656.49	8,433.00	-610.40	1,242.19	TD at 8656.49	

Kerr-McGee Oil & Gas Onshore. L.P.**Bonanza 1023-6F Pad**

<u>API #</u>	<u>BONANZA 1023-6E4AS</u>		
	Surface: 1902 FNL / 2024 FWL	SENW	Lot
	BHL: 2105 FNL / 1164 FWL	SWNW	Lot 5
<u>API #</u>	<u>BONANZA 1023-6F1AS</u>		
	Surface: 1860 FNL / 2067 FWL	SENW	Lot
	BHL: 1545 FNL / 2377 FWL	SENW	Lot
<u>API #</u>	<u>BONANZA 1023-6F1CS</u>		
	Surface: 1888 FNL / 2039 FWL	SENW	Lot
	BHL: 1757 FNL / 1947 FWL	SENW	Lot
<u>API #</u>	<u>BONANZA 1023-6F4CS</u>		
	Surface: 1895 FNL / 2031 FWL	SENW	Lot
	BHL: 2529 FNL / 2040 FWL	SENW	Lot
<u>API #</u>	<u>BONANZA 1023-6G2AS</u>		
	Surface: 1867 FNL / 2060 FWL	SENW	Lot
	BHL: 1415 FNL / 2167 FEL	SWNE	Lot
<u>API #</u>	<u>BONANZA 1023-6G4CS</u>		
	Surface: 1874 FNL / 2053 FWL	SENW	Lot
	BHL: 2485 FNL / 1945 FEL	SWNE	Lot

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

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

An on-site meeting was held on June 16, 2010. Present were:

- Dave Gordon, Suzanne Gray and Dan Emmett – BLM;
- John Slaugh, Brock Slaugh and Mitch Batty- Timberline Engineering & Land Surveying, Inc.; and
- Roger Parry, Clay Einerson, Grizz Oleen, Sheila Wopsock, Lovell Young, Grizz Oleen, Hal Blanchard, Lance Morton, Tim Donovan, Kathie Zehren, Laura Gianakos and Charles Chase – Kerr-McGee

A. Existing Roads:

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

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

±5,490' (1.0 miles) – Section 6 T10S R23E (SE/4 NW/4) – On-lease UTU38419, from the edge of pad to the eastern section line boundary in NE/4 SE/4. Please see Topo D and Exhibit B2, Lines 7 and 5.

The following segments require a ROW.

- ±1,310' (0.3 miles) – Section 5 T10S R23E (SW/4 SW/4) – Lease UTU73450, from the western section line boundary the southern section line boundary. Please refer to Exhibit B2, Line 4.
- ±40' (0.01 miles) – Section 8 T10S R23E (NW/4 NW/4) – Lease UTU37355, dips into the northern section line boundary and back up to northern section line boundary. Please refer to Exhibit B2, Line 3.
- ±600' (0.1 miles) – Section 5 T10S R23E (SW/4 SW/4) – Lease UTU73450, comes in from the southern section boundary line, travels east, then back to the southern section boundary line. Please refer to Exhibit B2, Line 2.
- ±1,010' (0.2 miles) – Section 8 T10S R23E (NW/4 NW/4) – Lease UTU37355, enters the northern section line boundary and ties in to existing road in the NE/4 NW/4 of section 8. Please refer to Exhibit B2, Line 1.

B. New or Reconstructed Access Roads:

See MDP for additional details on road construction.

No new roads need to be constructed for this pad.

C. Location of Existing Wells:

A) Refer to Topo Map C.

D. Location of Existing and/or Proposed Facilities:

See MDP for additional details on Location of Existing and/or Proposed Facilities. Also, please refer to Exhibit B and Topo D- Pad and Pipeline Detail.

This pad will expand the existing pad for the Bonanza 1023-6F, which is a producing gas well according to Utah Division of Oil, Gas and Mining (UDOGM) records on December 28, 2010. Gathering (pipeline) infrastructure will be utilized to collect and transport gas and fluids from the wells which are owned and operated by Kerr McGee Oil and Gas Onshore LP (KMG).

GAS GATHERING

The gas gathering pipeline material: Steel line pipe with fusion bond epoxy coating. The total gas gathering pipeline distance from the meter to the tie in point is ±10,130' and the individual segments are broken up as follows:

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

- ±670' (0.1 miles) – Section 6 T10S R23E (SE/4 NW/4) – On-lease UTU38419, BLM surface, New 6" buried gas gathering pipeline from the meter to the edge of the pad. Please refer to Topo D-Pad and Pipeline Detail.
- ±100' (0.01 miles) – Section 6 T10S R23E (SE/4 NW/4) – On-lease UTU38419, BLM surface, New 6" buried gas gathering pipeline from the edge of the pad to the proposed 16" pipeline. Please refer Topo D Pad and Pipeline Detail.

±2,900' (0.5 miles) – Section 6 T10S R23E (SE/4 NW/4) – On-lease UTU38419, BLM surface, New 16" buried gas gathering pipeline from the Bonanza 1023-6F Pad 6" tie-in to the western edge of the section line boundary. Please refer to Exhibit A1, Lines 9, 11, 12 and 13. This portion of pipeline will be used concurrently with the Bonanza 1023-6B, Bonanza 1023-6C, Bonanza 1023-6H, Bonanza 1023-5L and Bonanza 1023-5M Pads.

The following segments require a ROW.

±6,460' (1.2 miles) – Section 1 T10S R22E (NE/4 NE/4) – Lease UTU011336, BLM surface, New 16" buried gas gathering pipeline from the eastern section line boundary to the southern section line boundary. Please refer to Exhibit A1, Line 14. This portion of pipeline will be used concurrently with the Bonanza 1023-6B, Bonanza 1023-6C, Bonanza 1023-6H, Bonanza 1023-5L and Bonanza 1023-5M Pads.

The remaining gas pipeline section that will go to the existing Tank Battery, will be on state surface. Kerr-McGee will apply for the appropriate state rights of way.

Kerr-McGee, additionally will install a gas gathering line in a southeasterly direction to tie into an existing buried pipeline. The total of this proposed gas gathering from the meter to the tie in point is ±8,570 and the individual segments are broken up as follows:

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

- ±670' (0.1 miles) – Section 6 T10S R23E (SE/4 NW/4) – On-lease UTU38419, BLM surface, New 6" buried gas gathering pipeline from the meter to the edge of the pad. Please refer to Topo D-Pad and Pipeline Detail.
- ±100' (0.01 miles) – Section 6 T10S R23E (SE/4 NW/4) – On-lease UTU38419, BLM surface, New 6" buried gas gathering pipeline from the edge of the pad to the proposed 16" pipeline. Please refer Topo D Pad and Pipeline Detail.
- ±4,900' (0.9 miles) – Section 6 T10S R23E (SE/4 NW/4) – On-lease UTU38419, BLM surface, New 16" buried gas gathering pipeline from the Bonanza 1023-6F Pad 6" tie-in to the eastern edge of the lease and section line boundary. Please refer to Exhibit A1, Lines 8 and 6. This portion of pipeline will be used concurrently with the Bonanza 1023-6B, Bonanza 1023-6C, Bonanza 1023-6H, Bonanza 1023-5L and Bonanza 1023-5M Pads.

The following segments require a ROW.

- ±1,220' (0.2 miles) – Section 5 T10S R23E (SW/4 SW/4) – Lease UTU73450, BLM surface, New 16" gas gathering pipeline from the west lease boundary of 1023-Section 5 to the southern lease boundary of 1023-Section 5. Please refer to Exhibit A1, Line 5. This portion of pipeline will be used concurrently with the Bonanza 1023-6B, Bonanza 1023-6C, Bonanza 1023-6H, Bonanza 1023-5L and Bonanza 1023-5M Pads.
- ±190' (0.03 miles) – Section 8 T10S R23E (NW/4 NW/4) – Lease UTU37355, BLM surface, New 16" gas gathering pipeline dips in from the north lease boundary of 1023-Section 8 and back north to the section boundary. Please refer to Exhibit A1, Line 4. This portion of pipeline will be used concurrently with the Bonanza 1023-6B, Bonanza 1023-6C, Bonanza 1023-6H, Bonanza 1023-5L and Bonanza 1023-5M Pads.

- ±360' (0.03 miles) – Section 5 T10S R23E (SW/4 SW/4) – Lease UTU73450, BLM surface, New 16" gas gathering pipeline dips in from the south lease boundary of 1023-Section 5 and back south to the section boundary. Please refer to Exhibit A1, Line 3 and 2. This portion of pipeline will be used concurrently with the Bonanza 1023-6B, Bonanza 1023-6C, Bonanza 1023-6H, Bonanza 1023-5L and Bonanza 1023-5M Pads.
- ±1,130' (0.2 miles) – Section 8 T10S R23E (NW/4 NW/4) – Lease UTU37355, BLM surface, New 16" gas gathering pipeline comes in from the north lease boundary of 1023-Section 8 and goes southeasterly to the tie in point in the NENW of 1023 section 8. Please refer to Exhibit A1, Line 1. This portion of pipeline will be used concurrently with the Bonanza 1023-6B, Bonanza 1023-6C, Bonanza 1023-6H, Bonanza 1023-5L and Bonanza 1023-5M Pads.

Kerr-McGee will transport fluids (Gas and Liquids) via either or both of the said pipelines.

LIQUID GATHERING

The total liquid gathering pipeline distance from the separator to the tie in point is ±10,130' and the individual segments are broken up as follows:

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

- ±670' (0.1 miles) – Section 6 T10S R23E (SE/4 NW/4) – On-lease UTU38419, BLM surface, New 6" buried liquid gathering pipeline from the separator to the edge of the pad. Please refer to Topo D Pad and Pipeline Detail.
- ±100' (0.01 miles) – Section 6 T10S R23E (SE/4 NW/4) – On-lease UTU38419, BLM surface, New 6" buried liquid gathering pipeline from the edge of the pad to the tie-in point at proposed 6" liquid pipeline. Please refer Topo D Pad and Pipeline Detail.
- ±2,900' (0.5 miles) – Section 6 T10S R23E (SE/4 NW/4) – On-lease UTU38419, BLM surface, New 6" buried liquid gathering pipeline from the Bonanza 1023-6F Pad 6" tie-in to the western edge of the section line boundary. Please refer to Exhibit B1, Lines 18, 2, 3 and 4. This portion of pipeline will be used concurrently with the Bonanza 1023-6B, Bonanza 1023-6C, Bonanza 1023-6H, Bonanza 1023-5L and Bonanza 1023-5M Pads.

The following segments require a ROW.

- ±6,460' (1.2 miles) – Section 1 T10S R22E (NE/4 NE/4) – Lease UTU011336, BLM surface, New 6" buried liquid gathering pipeline from the eastern section line boundary to the southern section line boundary. Please refer to Exhibit B1, Line 5. This portion of pipeline will be used concurrently with the Bonanza 1023-6B, Bonanza 1023-6C, Bonanza 1023-6H, Bonanza 1023-5L and Bonanza 1023-5M Pads.

The remaining liquid pipeline section that will go to the existing Tank Battery, will be on state surface. Kerr-McGee will apply for the appropriate state rights of way.

Kerr-McGee, additionally will install a liquid gathering line in a southeasterly direction to tie into an existing buried pipeline. The total of this proposed liquid gathering from the separator to the tie in point is ±8,570 and the individual segments are broken up as follows:

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

- ±670' (0.1 miles) – Section 6 T10S R23E (SE/4 NW/4) – On-lease UTU38419, BLM surface, New 6" buried liquid gathering pipeline from the separator to the edge of the pad. Please refer to Topo D Pad and Pipeline Detail.
- ±100' (0.01 miles) – Section 6 T10S R23E (SE/4 NW/4) – On-lease UTU38419, BLM surface, New 6" buried liquid gathering pipeline from the edge of the pad to the tie-in point at proposed 6" liquid pipeline. Please refer Topo D Pad and Pipeline Detail.
- ±4,900' (0.9 miles) – Section 6 T10S R23E (SE/4 NW/4) – On-lease UTU38419, BLM surface, New 6" buried liquid gathering pipeline from the Bonanza 1023-6F Pad 6" tie-in to the eastern edge of the lease and section line boundary. Please refer to Exhibit B1, Lines 19 and 7. This portion of pipeline will be used concurrently with the Bonanza 1023-6B, Bonanza 1023-6C, Bonanza 1023-6H, Bonanza 1023-5L and Bonanza 1023-5M Pads.

The following segments require a ROW.

- ±1,220' (0.2 miles) – Section 5 T10S R23E (SW/4 SW/4) – Lease UTU73450, BLM surface, New 6" liquid gathering pipeline from the west lease boundary of 1023-Section 5 to the southern lease boundary of 1023-Section 5. Please refer to Exhibit B1, Line 8. This portion of pipeline will be used concurrently with the Bonanza 1023-6B, Bonanza 1023-6C, Bonanza 1023-6H, Bonanza 1023-5L and Bonanza 1023-5M Pads.
- ±190' (0.03 miles) – Section 8 T10S R23E (NW/4 NW/4) – Lease UTU37355, BLM surface, New 6" liquid gathering pipeline dips in from the north lease boundary of 1023-Section 8 and back north to the section boundary. Please refer to Exhibit B1, Line 9. This portion of pipeline will be used concurrently with the Bonanza 1023-6B, Bonanza 1023-6C, Bonanza 1023-6H, Bonanza 1023-5L and Bonanza 1023-5M Pads.
- ±360' (0.03 miles) – Section 5 T10S R23E (SW/4 SW/4) – Lease UTU73450, BLM surface, New 6" liquid gathering pipeline dips in from the south lease boundary of 1023-Section 5 and back south to the section boundary. Please refer to Exhibit B1, Line 10 and 16. This portion of pipeline will be used concurrently with the Bonanza 1023-6B, Bonanza 1023-6C, Bonanza 1023-6H, Bonanza 1023-5L and Bonanza 1023-5M Pads.
- ±1,130' (0.2 miles) – Section 8 T10S R23E (NW/4 NW/4) – Lease UTU37355, BLM surface, New 6" gas gathering pipeline comes in from the north lease boundary of 1023-Section 8 and goes southeasterly to the tie in point in the NENW of 1023 section 8. Please refer to Exhibit B1, Line 17. This portion of pipeline will be used concurrently with the Bonanza 1023-6B, Bonanza 1023-6C, Bonanza 1023-6H, Bonanza 1023-5L and Bonanza 1023-5M Pads.

The liquid gathering lines will be made of polyethylene or a composite polyethylene/steel or polyethylene/fiberglass that is not subject to internal or external pipe corrosion. The content of the produced fluids to be transferred by the liquid gathering system will be approximately 92% produced water and 8% condensate. Trunk line valve connections for the water gathering system will be below ground but accessible from the surface in order to prevent freezing during winter time.

The proposed buried pipelines will be constructed utilizing existing disturbance when possible. The area of disturbance during construction from the edge of road or well pad will be 30' in width. The total pipeline disturbance width will be 30'. Where possible there will be no additional disturbance during construction, as the road will be utilized for construction vehicles. The liquid and gas gathering lines will be in the same trench.

The proposed trench width for the pipeline would range from 18-48 inch and will be excavated to a depth of 48 to 60 inches of normal soil cover or 24 inches of cover in consolidated rock. The pipeline will be welded or zap locked along the proposed right-of-way and lowered into place. During construction blasting may occur along the proposed right-of-way when trenching equipment can not cut into the bedrock. Large debris and rocks removed from the earth during trenching and blasting that could not be returned to the trench would be distributed evenly and naturally in the project area. The proposed buried pipeline will be visually and radiographically inspected and the entire pipeline will be pneumatically tested before being placed into service.

Upon completion of the proposed buried pipeline, the entire area of disturbance will be reclaimed to the standards proposed in the Green River District Reclamation Guidelines. Please refer to the MDP for more details regarding final reclamation. Pipeline signs will be installed along the right-of-way to indicate the pipeline proximity, ownership, and to provide emergency contact phone numbers. Above ground valves and lateral T's will be installed at various locations to connect the new line to existing facilities and/or for safety purposes. Kerr-McGee requests for a permanent 30' right-of-way that will be maintained for the portion adjacent to the road. The need for the 30' permanent right-of-way is for maintenance and repairs.

When no longer serving a useful purpose, Kerr-McGee or it's successor will consult with the BLM, Vernal Field Office before termination.

The Anadarko Completions Transportation System (ACTS) information:

See MDP for additional details on the ACTS System.

Upon completion of the wells on this pad, Kerr-McGee is also requesting to utilize this pit as an Anadarko Completion Transport System (ACTS) staging pit which will be utilized for other completion operations in the area. The ACTS process will reduce the amount of truck traffic on a field-wide basis, also reducing vehicle emissions and fugitive dust generation.

Kerr-McGee will use ACTS to optimize the completion processes for multiple pads across the project area which may include up to a section of development. ACTS will facilitate management of frac fluids by utilizing existing reserve pits and temporary, surface-laid aluminum liquids transfer lines between frac locations. The refurbished pit will be relined per the guidelines in the MDP. The pit will be refurbished as follows: mix and pile up drill cuttings with dry dirt, bury the original liner in the pit, walk bottom of pit with cat. Kerr-McGee will reline the pit with a 30 mil liner and double felt padding. The refurbished pit will be the same size or smaller as specified in the originally approved ROW/APD. The pit refurb will be done in a normal procedure and there will be no modification to the pit that does not coincide with Kerr-McGee's MDP. Hog fence panels (5' X 16') will be built and painted shadow gray and will be put up on the work side of the pit. Polypropylene netting will be installed over all pits. There will be two 500 bbl temporary frac tanks placed on the location. The trucks will unload water into these tanks before the water is placed into the refurbished pit. The

purpose of the temporary frac tanks is to collect any hydro-carbons that may have been associated with the other completion operations before releasing into the pit. The collected hydrocarbons will be treated and sold at approved sales facilities. A loading rack with drip containment will be also be installed where water trucks would unload and load to prevent damage caused from pulling hoses in and out of the pit .

ACTS will require temporarily laying multiple 6" aluminum water transfer lines on the surface between either existing or refurbished reserve pits. Please see the attached ACTS exhibit C for placement of the proposed temporary lines. The temporary aluminum transfer lines will be utilized to transport frac fluid being injected and/or recovered during the completion process and will be laid adjacent to existing access roads. Upon completion of the frac operation, the liquids transfer lines will be flushed with fresh water and purged with compressed air. The contents of the transfer lines will be flushed into a water truck for delivery to another ACTS location or a reserve pit.

The volume of frac fluid transported through a water transfer line will vary, but volume is projected to be approximately 1.75 bbls per 50-foot joint. Although the maximum working pressure is 125 psig, the liquids transfer lines will be operated at a pressure of approximately 30 to 40 psig.

Kerr-McGee requests to keep this netted pit open for one year. During this time the surrounding well location completion fluids may be recycled in this pit and utilized for other frac jobs in the area. After one year Kerr-McGee will backfill the pit and reclaim as stated in the MDP. Kerr-McGee understands that due to the temporary nature of this system, BLM considers this a casual use situation; therefore, no permanent ROW or temporary use plan will need to be issued by the BLM.

E. Location and Types of Water Supply:

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

Water for drilling and completion operations will be obtained from the following sources:

Permit # 49-2307	JD Field Services	Green River- Section 15, T2N, R22E
Permit # 49-2321	R.N. Industries	White River- Section 2, T10S, R24E
Permit # 49-2319	R.N. Industries	White River- Various Sources
Permit # 49-2320	R.N. Industries	Green River- Section 33, T8S, R23E

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.

F. Construction Materials:

See MDP for additional details on Source of Construction Materials.

G. Methods for Handling Waste:

See MDP for additional details on Methods of Handling Waste Materials

Fluids disposal and pipeline/haul routes are depicted on Topo Map A.

Any produced water separated from recoverable condensate from the proposed well will be contained in a water tank and will then be transported by pipeline and/or 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

Or to one of the following Kerr-McGee active Salt Water Disposal (SWD) wells:

Bonanza 1023-6E4AS/ 1023-6F1AS/ 1023-6F1CS/ 1023-6F4CS/
1023-6G2AS/ 1023-6G4CS
Kerr-McGee Oil Gas Onshore, L.P.

Bonanza 1023-6F Pad
Surface Use Plan of Operations
8 of 10

NBU 159 SWD in Sec. 35 T9S R21E
CIGE 112D SWD in Sec. 19 T9S R21E
CIGE 114 SWD in Sec. 34 T9S R21E
NBU 921-34K SWD in Sec. 34 T9S R21E
NBU 921-33F SWD in Sec. 34 T9S R21E

H. Ancillary Facilities:

See MDP for additional details on Ancillary Facilities.
None are anticipated.

I. Well Site Layout:

See MDP and Well Pad Design Summary for additional details on Well Site Layout.

J. Plans for Surface Reclamation:

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

Site Specific Reclamation Considerations:

Reclamation Monitoring Reference Point for all wells on Pad (where a reclamation monitoring point has not been established at the time of APD submission, it will be submitted for approval under separate cover prior to surface disturbing activities):

Seed Mix to be used for Well Site, Access Road, and Pipeline (as applicable):

Bonanza Area Mix	Pure Live Seed lbs/acre
Crested Wheat (Hycrest)	2
Bottlebrush Squirreltail	1
Western Wheatgrass (Arriba)	1
Indian Ricegrass	1
Fourwing Saltbush	2
Shadscale	2
Forage Kochia	0.25
Rocky Mountain Bee Plant	0.5
Total	9.75

K. Surface/Mineral Ownership:

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

L. Other Information:

See MDP for additional details on Other Information.

Onsite Specifics:

- Construction: 30 Mil Double Felt
- Construction: Need to have PET from BLM to inspect Pipeline before line is buried
- Facilities: Need stream alteration permit from 6F to the compressor station
- Facilities: Will be painted Shadow Grey
- Top Soil: Need to save 4" topsoil

Resource Reports:

A Class I literature survey was completed on August 20, 2010 by Montgomery Archaeological Consultants, Inc (MOAC). For additional details please refer to report MOAC 10-066b.

A paleontological reconnaissance survey was completed on April 28, 2010 by SWCA Environmental Consultants. For additional details please refer to report UT10-14314-26.

Biological field survey was completed on June 8, 2010 by Grasslands Consulting, Inc (GCI). For additional details please refer to report GCI-308.

Right-of-Ways (ROW):

See MDP for additional information on ROW

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

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

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

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

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

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

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

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



Gina T. Becker

December 28, 2010

Date



Kerr-McGee Oil & Gas Onshore LP
P.O. Box 173779
Denver, CO 80217-3779

June 30, 2010

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

Re: Exception Location R649-3-3 and Directional Drilling R649-3-11
Bonanza 1023-6G4CS
T10S- R23E
Section 6: SENW/SWNE
1874' FNL, 2053' FWL (surface)
2485' FNL, 1945' FEL (bottom hole)
Uintah County, Utah

Dear Ms. Mason:

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

- Kerr-McGee's Bonanza 1023-6G4CS is located within the area covered by Docket No. 2008-011 authorizing the equivalent of an approximate 10-acre well density pattern, and requiring approval for wells drilled at an exception location and wells drilled directionally in accordance with the referenced rules.
- Kerr-McGee is permitting this well at this location for geological reasons. Locating the well at the surface location and directionally drilling from this location, Kerr-McGee will be able to minimize surface disturbance.
- Furthermore, Kerr-McGee certifies that it is the sole working interest owner within 460 feet of the entire directional well bore.

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

Sincerely,

KERR-MCGEE OIL & GAS ONSHORE LP

A handwritten signature in blue ink that reads 'Jessy Pink'.

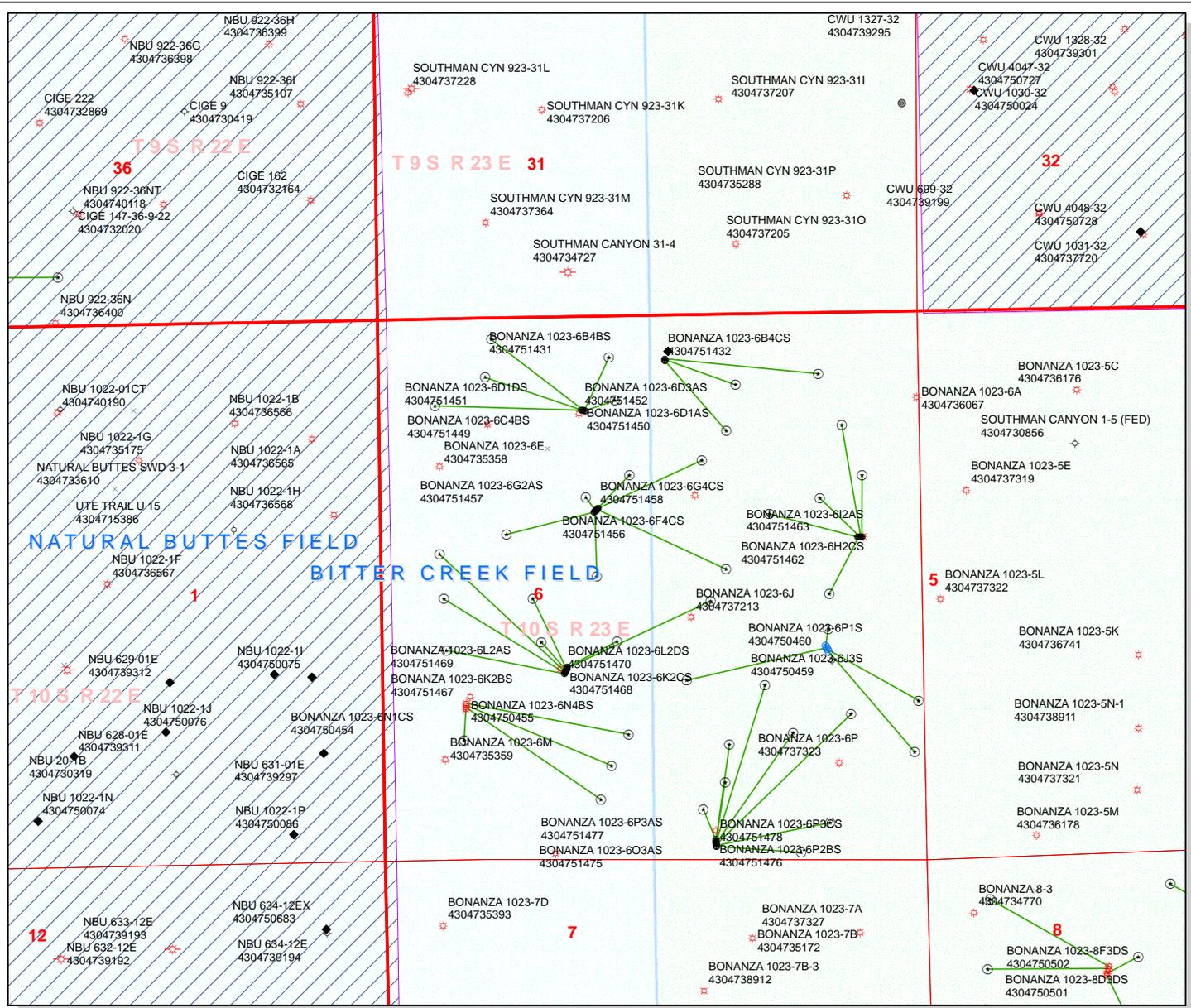
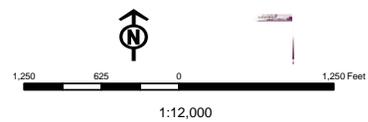
Jessy Pink
Landman

API Number: 4304751458
Well Name: BONANZA 1023-6G4CS
Township 10.0 S Range 23.0 E Section 06
Meridian: SLBM
 Operator: KERR-MCGEE OIL & GAS ONSHORE, L.P.

Map Prepared:
 Map Produced by Diana Mason

Units STATUS	Wells Query Status
ACTIVE	APD - Approved Permit
EXPLORATORY	DRL - Spudded (Drilling Commenced)
GAS STORAGE	GIW - Gas Injection
NF PP OIL	GS - Gas Storage
NF SECONDARY	LA - Location Abandoned
PI OIL	LOC - New Location
PP GAS	DPS - Operation Suspended
PP GEOTHERMAL	PA - Plugged Abandoned
PP OIL	PGW - Producing Gas Well
SECONDARY	POW - Producing Oil Well
TERMINATED	RET - Returned APD
	SGW - Shut-in Gas Well
	SOW - Shut-in Oil Well
	TA - Temp. Abandoned
	TW - Test Well
	WDW - Water Disposal
	WIW - Water Injection Well
	WSW - Water Supply Well

Fields STATUS
Unknown
ABANDONED
ACTIVE
COMBINED
INACTIVE
STORAGE
TERMINATED
Sections
Township



WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 1/3/2011

API NO. ASSIGNED: 43047514580000

WELL NAME: BONANZA 1023-6G4CS

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

PHONE NUMBER: 720 929-6086

CONTACT: Gina Becker

PROPOSED LOCATION: SENW 06 100S 230E

Permit Tech Review:

SURFACE: 1874 FNL 2053 FWL

Engineering Review:

BOTTOM: 2485 FNL 1945 FEL

Geology Review:

COUNTY: UINTAH

LATITUDE: 39.98018

LONGITUDE: -109.37096

UTM SURF EASTINGS: 639101.00

NORTHINGS: 4426618.00

FIELD NAME: NATURAL BUTTES

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU38419

PROPOSED PRODUCING FORMATION(S): WASATCH-MESA VERDE

SURFACE OWNER: 1 - Federal

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

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

Commingle Approved

LOCATION AND SITING:

- R649-2-3.
- Unit:**
- R649-3-2. General
- R649-3-3. Exception
- Drilling Unit
- Board Cause No:** Cause 179-14
- Effective Date:** 6/12/2008
- Siting:** 460' Fr Exterior Drilling Unit Boundary
- R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations:
1 - Exception Location - dmason
3 - Commingle - ddoucet
4 - Federal Approval - dmason
15 - Directional - dmason



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: BONANZA 1023-6G4CS

API Well Number: 43047514580000

Lease Number: UTU38419

Surface Owner: FEDERAL

Approval Date: 1/19/2011

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

Exception Location:

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

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 <https://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:

A handwritten signature in black ink, appearing to read "John Rogers", written over a faint, illegible stamp or background.

For John Rogers
Associate Director, Oil & Gas

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

JAN 04 2010

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

APPLICATION FOR PERMIT TO DRILL OR REENTER

BLM

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU38419
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator KERR-MCGEE OIL & GAS ONSHORE Contact: GINA T BECKER Email: GINA.BECKER@ANADARKO.COM		7. If Unit or CA Agreement, Name and No. CA-60768 CR-3
3a. Address P.O. BOX 173779 DENVER, CO 80202-3779		8. Lease Name and Well No. BONANZA 1023-6G4CS
3b. Phone No. (include area code) Ph: 720-929-6086 Fx: 720-929-7086		9. API Well No. 43 047 51458
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface SENW 1874FNL 2053FWL 39.98010 N Lat, 109.37150 W Lon At proposed prod. zone SWNE 2485FNL 1945FEL 39.97842 N Lat, 109.36706 W Lon		10. Field and Pool, or Exploratory BONANZA
14. Distance in miles and direction from nearest town or post office* APPROXIMATELY 46.7 MILES SOUTH OF VERNAL, UTAH		11. Sec., T., R., M., or Blk. and Survey or Area Sec 6 T10S R23E Mer SLB
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 1945	16. No. of Acres in Lease 516.80	12. County or Parish UINTAH
17. Spacing Unit dedicated to this well	13. State UT	
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 584	19. Proposed Depth 8656 MD 8433 TVD	20. BLM/BIA Bond No. on file WYB000291
21. Elevations (Show whether DF, KB, RT, GL, etc.) 5124 GL	22. Approximate date work will start 06/30/2011	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. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature (Electronic Submission)	Name (Printed/Typed) GINA T BECKER Ph: 720-929-6086	Date 01/04/2011
Title REGULATORY ANALYST II		
Approved by (Signature) 	Name (Printed/Typed) Jerry Kenczka	Date AUG 31 2011
Title 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)

NOTICE OF APPROVAL

Electronic Submission #99903 verified by the BLM Well Information System
For KERR-MCGEE OIL & GAS ONSHORE, sent to the Vernal
Committed to AFMSS for processing by ROBIN R. HANSEN on 01/06/2011 ()

RECEIVED

SEP 06 2011

DIV. OF OIL, GAS & MININ

UDOGM

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



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, LP	Location:	SENW, Sec. 6, T10S, R23E (S) SWNE, Sec. 6, T10S, R23E (B)
Well No:	Bonanza 1023-6G4CS	Lease No:	UTU-38419
API No:	43-047-51458	Agreement:	CA UTU-60768

OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

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

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

NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	- Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	- Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings to: 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.

SITE SPECIFIC COAs

**Bonanza 1023-6G4CS
DOI-BLM-UT-G010-2011-0396-EA**

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horse power must not emit more than 2 grams 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-hour.
- All new and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gram of NO_x per horsepower-hour.
- All vehicles and equipment shall be cleaned either through power-washing, or other approved method, if the vehicles or equipment were previously operated outside the Uinta Basin, to prevent weed seed introduction.
- All disturbance areas shall be monitored for noxious weeds annually, for a minimum of three growing seasons following completion of project or until desirable vegetation is established
- Noxious and invasive weeds will be controlled throughout the area of project disturbance.
- Noxious weeds will be inventoried and reported to BLM in the annual reclamation report. Where an integrated pest management program is applicable, coordination has been undertaken with the state and local management program (if existing). A copy of the pest management plan will be submitted for each project.

- A pesticide use permit (PUP) will be obtained for the project, if applicable.
- *Discovery Stipulation:* Re-initiation of section 7 consultation with the USFWS will be sought immediately if any loss of plants or occupied habitat for Pariette cactus or Uinta Basin hookless cactus is anticipated as a result of project activities.

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

SITE SPECIFIC DOWNHOLE COAs:

- Communication Agreement Number UTU-60768 was approved to include only production from the mesaverde formation. Prior to well completion, approval by this office shall be required before production is established from any other formations.

Site Specific Drilling Plan COA's:

- Gamma Ray Log shall be run from Total Depth to Surface.
- Cement for the production casing shall be brought 200 feet above the surface casing shoe.

Variations Granted:

Air Drilling:

- Properly lubricated and maintained rotating head. Variance granted to use a properly maintained and lubricated diverter bowl in place of rotating head.
- Blooie line discharge 100' from 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 truck/trailer mounted air compressors located within 40' of the well.
- 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 since there are no productive formations in the interval that is air drilled.
- FIT Test. Variance granted due to known geology and problems that can occur with the FIT test.

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_Wellogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at www.ONRR.gov.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (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.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU38419
SUNDRY NOTICES AND REPORTS ON WELLS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: BONANZA 1023-6G4CS	
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047514580000	
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: 1874 FNL 2053 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 06 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	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 11/29/2011 <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text"/>		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEDULE 10 PIPE. CMT W/28 SX READY MIX. SPUD WELL ON 11/29/2011 AT 1500 HRS.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY		
NAME (PLEASE PRINT) Sheila Wopsock	PHONE NUMBER 435 781-7024	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 12/1/2011	

BLM - Vernal Field Office - Notification Form

Operator KERR-McGEE OIL & GAS Rig Name/# BUCKET RIG
 Submitted By JAIME SCHARNOWSKE Phone Number 720.929.6304
 Well Name/Number BONANZA 1023-6G4CS
 Qtr/Qtr SEnw Section 6 Township 10S Range 23E
 Lease Serial Number UTU38419
 API Number 4304751458

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

Date/Time 11/28/2011 17:00 HRS AM PM

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

- Surface Casing
- Intermediate Casing
- Production Casing
- Liner
- Other

Date/Time 12/16/2011 08:00 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

435.828.0986 OR LOVEL YOUNG AT 435.781.7051

Amended

BLM - Vernal Field Office - Notification Form

Operator KERR-McGEE OIL & GAS Rig Name/# BUCKET RIG
 Submitted By JAIME SCHARNOWSKE Phone Number 720.929.6304
 Well Name/Number BONANZA 1023-6G4CS
 Qtr/Qtr SENW Section 6 Township 10S Range 23E
 Lease Serial Number UTU38419
 API Number 4304751458

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

Date/Time 11/29/2011 13:00 HRS AM PM

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

- Surface Casing
- Intermediate Casing
- Production Casing
- Liner
- Other

RECEIVED
 NOV 29 2011
 DIV OF OIL, GAS & MINING

Date/Time 12/13/2011 08:00 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
435.828.0986 OR LEVEL YOUNG AT 435.781.7051

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU38419
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 1023-6G4CS
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3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6515 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1874 FNL 2053 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 06 Township: 10.0S Range: 23.0E Meridian: S	9. FIELD and POOL or WILDCAT: NATURAL BUTTES COUNTY: UINTAH STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 12/19/2011	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 50px;" type="text"/>

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

The operator requests approval for changes in the drilling plan. Specifically, the Operator requests approval for a closed loop drilling option and a production casing change. All other aspects of the previously approved drilling plan will not change. These proposals do not deviate from previously submitted and approved plans. Please see attachments. Thank you.

Accepted by the Utah Division of Oil, Gas and Mining

Date: 12/20/2011

By: *Derek Quist*

NAME (PLEASE PRINT) Jaime Scharnowske	PHONE NUMBER 720 929-6304	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 12/19/2011	

Kerr-McGee Oil & Gas Onshore. L.P.**BONANZA 1023-6G4CS**

Surface: 1874 FNL / 2053 FWL SENW
 BHL: 2485 FNL / 1945 FEL SWNE

Section 6 T10S R23E

Uintah County, Utah
 Mineral Lease: UTU-38419

ONSHORE ORDER NO. 1**DRILLING PROGRAM**

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

<u>Formation</u>	<u>Depth</u>	<u>Resource</u>
Uinta	0 - Surface	
Green River	1141'	
Birds Nest	1,404'	Water
Mahogany	1,765'	Water
Wasatch	4,151'	Gas
Mesaverde	6,292'	Gas
MVU2	7,234'	Gas
MVL1	7,807'	Gas
TVD	8,433'	
TD	8,656'	

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 bottom hole pressure calculated at 8433' TVD, approximately equals
5,397 psi 0.64 psi/ft = actual bottomhole gradient

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

Maximum anticipated surface pressure equals approximately 3,530 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 11 inch 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.

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

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS			
						BURST	LTC		DQX
							COLLAPSE	TENSION	
CONDUCTOR	14"	0-40'							
SURFACE	8-5/8"	0 to 2,220	28.00	IJ-55	LTC	3,390 2.44 7,780	1,880 1.81 6,350	348,000 6.39 223,000	N/A N/A 267,035
PRODUCTION	4-1/2"	0 to 5,000	11.60	I-80	DQX	1.11	1.16		3.29
	4-1/2"	5,000 to 8,656'	11.60	I-80	LTC	1.11	1.16	6.50	

Surface Casing:

(Burst Assumptions: TD = 12.5 ppg) 0.73 psi/ft = frac gradient @ surface shoe
 Fracture at surface shoe with 0.1 psi/ft gas gradient above
 (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

Production casing:

(Burst Assumptions: Pressure test with 8.4ppg @ 7000 psi) 0.64 psi/ft = bottomhole gradient
 (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500'	Premium cmt + 2% CaCl + 0.25 pps flocele	180	60%	15.80	1.15
Option 1	TOP OUT CMT (6 jobs)	1,200'	20 gals sodium silicate + Premium cmt + 2% CaCl + 0.25 pps flocele	270	0%	15.80	1.15
NOTE: If well will circulate water to surface, option 2 will be utilized							
SURFACE	LEAD	1,720'	65/35 Poz + 6% Gel + 10 pps gilsonite + 0.25 pps Flocele + 3% salt BWOW	160	35%	11.00	3.82
Option 2	TAIL	500'	Premium cmt + 2% CaCl + 0.25 pps flocele	150	35%	15.80	1.15
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.80	1.15
PRODUCTION	LEAD	3,646'	Premium Lite II +0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	270	20%	12.00	3.38
	TAIL	5,010'	50/50 Poz/G + 10% salt + 2% gel + 0.1% R-3	1,180	35%	14.30	1.31

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

FLOAT EQUIPMENT & CENTRALIZERS

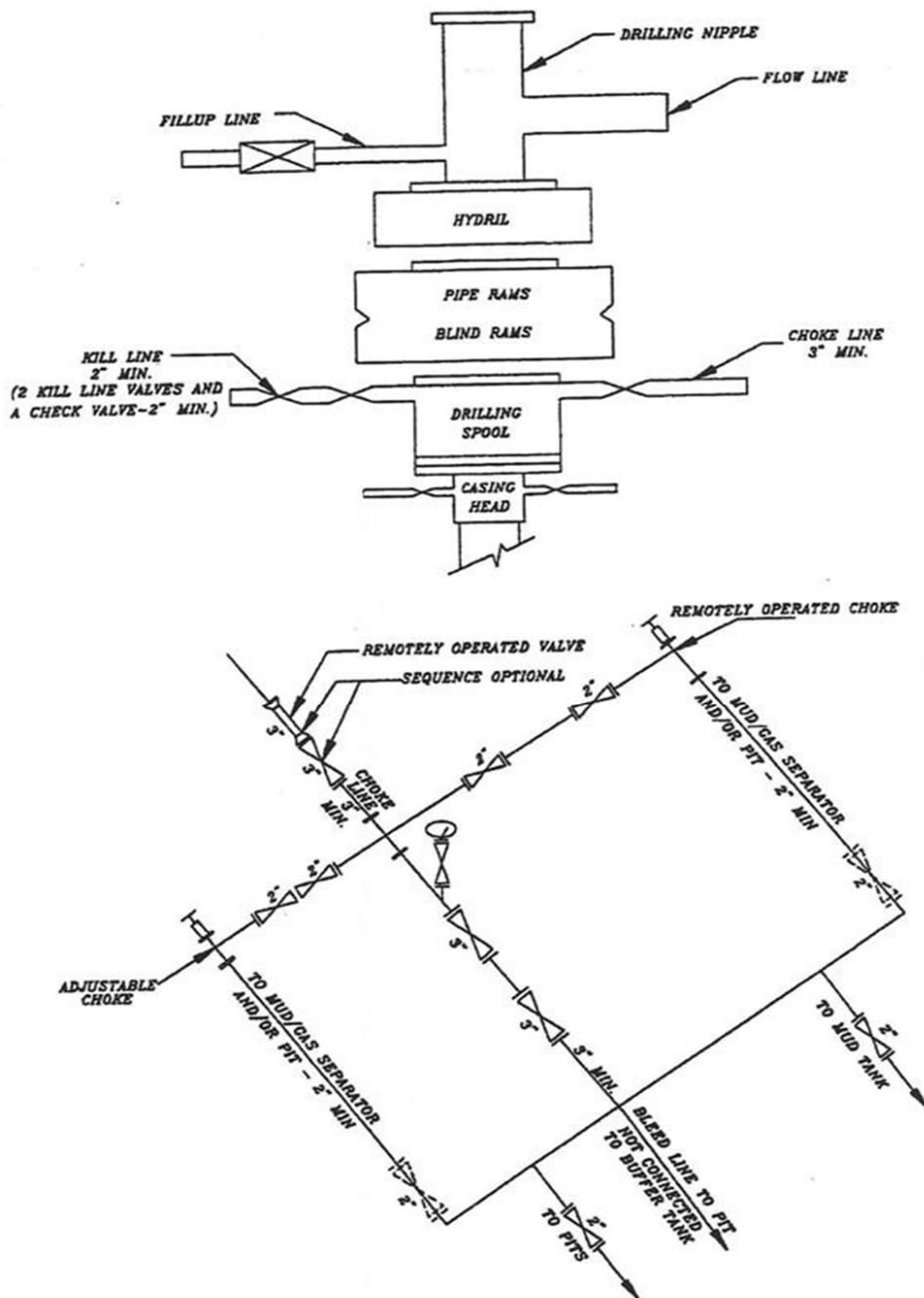
SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe
PRODUCTION	Float shoe, 1 jt, float collar. 15 centralizers for a Mesaverde and 20 for a Blackhawk. 1 on first 3 joints and 1 every third from there up.

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:** _____
 Nick Spence / Danny Showers / Chad Loesel
DRILLING SUPERINTENDENT: _____ **DATE:** _____
 Kenny Gathings / Lovel Young

EXHIBIT A BONANZA 1023-6G4CS



SCHEMATIC DIAGRAM OF 5,000 PSI BOP STACK

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.

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
4304751454	BONANZA 1023-6F1AS		SEnw	6	10S	23E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	18338	11/29/2011		12/16/11		
Comments: MIRU PETE MARTIN BUCKET RIG. <i>WSMVD</i> SPUD WELL ON 11/29/2011 AT 0900 HRS <i>BHL=SEnw</i>							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304751457	BONANZA 1023-6G2AS		SEnw	6	10S	23E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	18339	11/29/2011		12/16/11		
Comments: MIRU PETE MARTIN BUCKET RIG. <i>WSMVD</i> SPUD WELL ON 11/29/2011 AT 1200 HRS. <i>BHL=SWNE</i>							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304751458	BONANZA 1023-6G4CS		SEnw	6	10S	23E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	18340	11/29/2011		12/16/11		
Comments: MIRU PETE MARTIN BUCKET RIG. <i>WSMVD</i> SPUD WELL ON 11/29/2011 AT 1500 HRS. <i>BHL=SWNE</i>							

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)

Sheila Wopsock

Signature

REGULATORY ANALYST

12/1/2011

Title

Date

(5/2000)

RECEIVED

DEC 01 2011

DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU38419																														
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 1023-6G4CS																														
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		9. API NUMBER: 43047514580000																														
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		9. FIELD and POOL or WILDCAT: NATURAL BUTTES																														
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1874 FNL 2053 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 06 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																																
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<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 12/31/2011	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; border: none;"><input type="checkbox"/> ACIDIZE</td> <td style="width: 33%; border: none;"><input type="checkbox"/> ALTER CASING</td> <td style="width: 33%; border: none;"><input type="checkbox"/> CASING REPAIR</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</td> <td style="border: none;"><input type="checkbox"/> CHANGE TUBING</td> <td style="border: none;"><input type="checkbox"/> CHANGE WELL NAME</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> CHANGE WELL STATUS</td> <td style="border: none;"><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</td> <td style="border: none;"><input type="checkbox"/> CONVERT WELL TYPE</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> DEEPEN</td> <td style="border: none;"><input type="checkbox"/> FRACTURE TREAT</td> <td style="border: none;"><input type="checkbox"/> NEW CONSTRUCTION</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> OPERATOR CHANGE</td> <td style="border: none;"><input type="checkbox"/> PLUG AND ABANDON</td> <td style="border: none;"><input type="checkbox"/> PLUG BACK</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> PRODUCTION START OR RESUME</td> <td style="border: none;"><input type="checkbox"/> RECLAMATION OF WELL SITE</td> <td style="border: none;"><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> REPERFORATE CURRENT FORMATION</td> <td style="border: none;"><input type="checkbox"/> SIDETRACK TO REPAIR WELL</td> <td style="border: none;"><input type="checkbox"/> TEMPORARY ABANDON</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> TUBING REPAIR</td> <td style="border: none;"><input type="checkbox"/> VENT OR FLARE</td> <td style="border: none;"><input type="checkbox"/> WATER DISPOSAL</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> WATER SHUTOFF</td> <td style="border: none;"><input type="checkbox"/> SI TA STATUS EXTENSION</td> <td style="border: none;"><input type="checkbox"/> APD EXTENSION</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> WILDCAT WELL DETERMINATION</td> <td style="border: none;"><input type="checkbox"/> OTHER</td> <td style="border: none;">OTHER: <input style="width: 100px;" type="text"/></td> </tr> </table>		<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. MIRU AIR RIG ON DEC. 29, 2011. DRILLED SURFACE HOLE TO 2443'. RAN SURFACE CASING AND CEMENTED. WELL IS WAITING ON ROTARY RIG. DETAILS OF CEMENT JOB WILL BE INCLUDED WITH WELL COMPLETION REPORT.																																
NAME (PLEASE PRINT) Jaime Scharnowske		PHONE NUMBER 720 929-6304																														
SIGNATURE N/A		TITLE Regularatory Analyst DATE 1/3/2012																														

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

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU38419
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 1023-6G4CS	
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047514580000	
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6511	9. FIELD and POOL or WILDCAT: MATERIAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1874 FNL 2053 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 06 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	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 2/26/2012	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>MIRU ROTARY RIG. FINISHED DRILLING FROM 2,443' TO 8,688' ON FEBRUARY 24, 2012. RAN 4-1/2" 11.6# I-80 PRODUCING CASING . CEMENTED PRODUCTION CASING. RELEASED XTREME 12 RIG ON FEBRUARY 26, 2012 @ 19:30 HRS. DETAILS OF CEMENT JOB WILL BE INCLUDED WITH THE WELL COMPLETION REPORT. WELL IS WAITING ON FINAL COMPLETION ACTIVITIES.</p>		
<p>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY March 02, 2012</p>		
NAME (PLEASE PRINT) Jaime Scharnowske	PHONE NUMBER 720 929-6304	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 2/27/2012	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
5. LEASE DESIGNATION AND SERIAL NUMBER: UTU38419	
SUNDRY NOTICES AND REPORTS ON WELLS	
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STATE: UTAH	

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

TYPE OF SUBMISSION	TYPE OF ACTION		
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<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 5/8/2012	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
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	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

THE SUBJECT WELL WAS PLACED ON PRODUCTION ON MAY 8, 2012 AT 1615 HOURS. 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
 May 09, 2012

NAME (PLEASE PRINT) Jenn Hawkins	PHONE NUMBER 720 929-6247	TITLE Staff Operations Specialist III
SIGNATURE N/A	DATE 5/9/2012	

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.
UTU38419

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

2. Name of Operator **KERR MCGEE OIL & GAS ONSHORE** Contact: CARA MAHLER
 Email: cara.mahler@anadarko.com

3. Address **1099 18TH STREET, SUITE 1800 DENVER, CO 80202** 3a. Phone No. (include area code)
 Ph: 720-929-6029

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 At surface **SENW 1874FNL 2053FWL 39.980098 N Lat, 109.371495 W Lon**
 At top prod interval reported below **SWNE 2501FNL 1857FEL**
 At total depth **SWNE 2494FNL 1933FEL BHL by HSM**

6. If Indian, Allottee or Tribe Name _____
 7. Unit or CA Agreement Name and No.
CA-60768 CR-3

8. Lease Name and Well No.
BONANZA 1023-6G4CS ✓

9. API Well No. **43-047-51458**

10. Field and Pool, or Exploratory
NATURAL BUTTES

11. Sec., T., R., M., or Block and Survey
 or Area **Sec 6 T10S R23E Mer SLB**

12. County or Parish **UINTAH** 13. State **UT**

14. Date Spudded **11/29/2011** 15. Date T.D. Reached **02/24/2012** 16. Date Completed
 D & A Ready to Prod. **05/08/2012**

17. Elevations (DF, KB, RT, GL)*
5123 GL

18. Total Depth: MD **8688** TVD **8477** 19. Plug Back T.D.: MD **8629** TVD **8418** 20. Depth Bridge Plug Set: MD **8629** TVD **8418**

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CBL/CMI/GR/CCL-CCL/GR/PRESS/TEMP-BHV-SD/DSN/ACTR

22. Was well cored? No Yes (Submit analysis)
 Was DST run? No Yes (Submit analysis)
 Directional Survey? No Yes (Submit analysis)

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20.000	14.000 STL	36.7	0	40		28			
11.000	8.625 IJ-55	28.0	0	2410		800		0	
7.875	4.500 I-80	11.6	0	8675		1440		500	

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	8000							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WASATCH	5830	6426	5830 TO 6426	0.360	72	OPEN
B) MESAVERDE	6845	8512	6845 TO 8512	0.360	141	OPEN
C)						
D)						

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

Depth Interval	Amount and Type of Material
6317 TO 8512	PUMPED 7315 BBLs SLICK H2O & 170,376 LBS 30/50 OTTAWA SAND

RECEIVED
JUN 26 2012
DIV. OF OIL, GAS & MINING

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
05/08/2012	05/10/2012	24	→	0.0	2395.0	750.0			FLows FROM WELL
Choke Size	Tbg. Press. Flwg. 1350 SI	Csg. Press. 2000.0	24 Hr. Rate →	Oil BBL 0	Gas MCF 2395	Water BBL 750	Gas:Oil Ratio	Well Status 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	

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	1179
				BIRD'S NEST	1455
				MAHOGANY	1940
				WASATCH	4323
				MESAVERDE	6453

32. Additional remarks (include plugging procedure):

The first 210? of the surface hole was drilled with a 12 ?? bit. The remainder of surface hole was drilled with an 11? bit. DQX csg was run from surface to 5037?; LTC csg was run from 5037? to 8675?. 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 #141288 Verified by the BLM Well Information System.
For KERR MCGEE OIL & GAS ONSHORE L, sent to the Vernal

Name (please print) CARA MAHLER Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission) Date 06/22/2012

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 fraudulent 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 1023-6G4CS YELLOW

Spud Date: 12/30/2011

Project: UTAH-UINTAH

Site: BONANZA 1023-6F PAD

Rig Name No: PROPETRO 12/12, XTC 12/12

Event: DRILLING

Start Date: 11/21/2011

End Date: 2/26/2012

Active Datum: RKB @5,138.01ft (above Mean Sea Level)

UWI: SE/NW/0/10/S/23/E/6/0/0/26/PM/N/1874/W/0/2053/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
12/29/2011	23:00 - 0:00	1.00	MIRU	01	A	P		SKID RIG 10' TO BONANZA 1023-6G4CS. INSTALL DIVERTOR HEAD AND BLUEY LINE. BUILD DITCH. SPOT IN RIG. SPOT IN CATWALK AND PIPE RACKS. RIG UP PIT PUMP. RIG UP PUMP. PRIME PUMP. INSPECT RIG. HELD PRE-SPUD SAFETY MEETING.
12/30/2011	0:00 - 0:30	0.50	MIRU	01	B	P		SKID RIG 10' TO BONANZA 1023-6G4CS. INSTALL DIVERTOR HEAD AND BLUEY LINE. BUILD DITCH. SPOT IN RIG. SPOT IN CATWALK AND PIPE RACKS. RIG UP PIT PUMP. RIG UP PUMP. PRIME PUMP. INSPECT RIG. HELD PRE-SPUD SAFETY MEETING
	0:30 - 2:30	2.00	DRLSUR	02	D	P		DRILL 12.25" HOLE 44'- 210'. (166', 83'/HR) RPM=45, WOB 5-15K. PSI ON/OFF 600/400. UP/DOWN/ROT 20/20/20 K. DRAG 0 K. CIRC RESERVE W. 8.3# WATER. DRILL DOWN TO 210' W/ 6" COLLARS.
	2:30 - 4:30	2.00	DRLSUR	06	A	P		POOH, PU, 11" BIT AND DIRECTIONAL TOOLS, TIH T/ 210'
	4:30 - 15:00	10.50	DRLSUR	02	D	P		DRILL F/210 T/1310 (1100' @ 104.75' PER HR) WOB 20K, PSI ON/OFF 1120/900, RPM 50 UP/DWN/ROT 66/52/59
	15:00 - 16:30	1.50	DRLSUR	08	A	Z		POOH 10 JTS & WORK ON POWERHEAD, TIH
	16:30 - 0:00	7.50	DRLSUR	02	D	P		DRILL F/1310-2000 (690' @ 92' PER HR) WOB 18K, PSI ON/OFF 1120/960, RPM 50 UP/DWN/ROT 80/54/69
12/31/2011	0:00 - 5:30	5.50	DRLSUR	02	D	P		DRILL F/2000-2443 (443' @ 80.5' PER HR) WOB 18K, PSI ON/OFF 1255/1090, RPM 50 UP/DWN/ROT 88/60/71
	5:30 - 7:30	2.00	DRLSUR	05	A	P		TD 05:30 12/31/2011
	7:30 - 11:30	4.00	DRLSUR	06	D	P		CIRC. F/CSNG
	11:30 - 12:30	1.00	DRLSUR	12	A	P		LDDS, BHA & DIR TOOLS
	12:30 - 14:30	2.00	DRLSUR	12	C	P		MOVE PIPE RACKS AND CATWALK. PULL DIVERTER HEAD. RIG UP TO RUN CSG. AND MOVE CSG INTO POSITION TO P/U
	14:30 - 15:30	1.00	DRLSUR	12	B	P		RUN 54 JTS 8 5/8, 28# CSNG. SHOE SET @ 2399', BAFFLE SET @ 2352'
	15:30 - 17:00	1.50	DRLSUR	12	E	P		HOLD SAFETY MEETING, RUN 200' OF 1". RIG DOWN RIG MOVE OFF WELL, REBUILD DITCH. RIG UP CEMENT TRUCK, 2" HARD LINES. CEMENT HEAD, LOAD PLUG. LAND CSNG @15:00
								PRESSURE TEST LINES TO 2000 PSI. PUMP 140 BBLS OF WATER AHEAD. PUMP 20 BBLS OF 8.3# GEL WATER AHEAD. PUMP (300 SX) 61.35 BBLS OF 15.8# 1.15 YD 5 GAL/SK PREMIUM CEMENT W/ 2% CALC. DROP PLUG ON FLY. DISPLACE W/ 146.7 BBLS OF H2O. NO CIRC THROUGH OUT. FINAL LIFT OF 100 PSI AT 4 BBL/MIN. BUMP PLUG W/500 PSI HELD FOR 5 MIN. FLOAT HELD. PUMP (150 SX) 30.64 BBLS OF SAME TAIL CEMENT W/ 4% CALC. DOWN BACKSIDE. SHUT DOWN AND CLEAN TRUCK. NO CEMENT TO SURFACE.

**US ROCKIES REGION
Operation Summary Report**

Well: BONANZA 1023-6G4CS YELLOW

Spud Date: 12/30/2011

Project: UTAH-UJINTAH

Site: BONANZA 1023-6F PAD

Rig Name No: PROPETRO 12/12, XTC 12/12

Event: DRILLING

Start Date: 11/21/2011

End Date: 2/26/2012

Active Datum: RKB @5,138.01ft (above Mean Sea Level)

UWI: SE/NW/0/10/S/23/E/6/0/0/26/PM/N/1874/W/0/2053/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	17:00 - 19:00	2.00	DRLSUR	12	E	P		WOC, PUMP 100 SKS (20 BBLS) SAME TAIL CMT. DOWN BACKSIDE
	19:00 - 21:00	2.00	DRLSUR	12	E	P		WOC, PUMP 250 SKS (51.1 BBLS) SAME TAIL CMT. DOWN BACKSIDE (NO CMT TO SURFACE) RELEASE RIG 21:00
2/19/2012	19:30 - 20:30	1.00	MIRU	01	C	P		PULL CAT WALK FORWARD. SKID RIG OVER HOLE. PLACE LOCK DOWN CAP ON PREVIOUS WELL. CENTER AND LEVEL RIG OVER HOLE. SET CAT WALK BACK IN PLACE.
	20:30 - 21:30	1.00	MIRU	14		P		CHANGE OUT O RING IN WEATHERFORD NIPPLE UP FLANGE. NIPPLE UP BOP. NIPPLE UP CHOKE LINE.
	21:30 - 0:00	2.50	MIRU	14	A	P		NIPPLE UP STRATA EQUIPMENT. ALIGN FLANGE AND INSTALL BOLTS.
2/20/2012	0:00 - 2:00	2.00	MIRU	14	A	P		NIPPLE UP STRATA EQUIPMENT. (FUNCTION ORBIT VALVE BEFORE NIPPLE UP).
	2:00 - 4:30	2.50	MIRU	15	A	P		HOLD SAFETY MEETING WITH A-1 TESTING. TEST TOP DRIVE VALVE, FLOOR VALVE TO 5000 PSI FOR 10 MIN AND 250 LOW FOR 5 MIN. P/U JT AND MADE UP TEST PLUG. START TEST ON PIPE RAMS AND BLEW O-RING GASKET ON WEATHERFORD QUICK CONNECT.
	4:30 - 9:00	4.50	MIRU	14	C	Z		TEAR BACK DOWN FLOW LINE. JACK UP SUB WITH LEVELING JACKS. NIPPLE DOWN AND P/U BOPE. CHANGE O-RING. PROBLEMS SETTING STACK DOWN BECAUSE OF THE WT OF STRATAS EQUIPMENT. SET DOWN STACK. LOWER SUB. AND NIPPLE STACK BACK UP.
	9:00 - 13:00	4.00	MIRU	15	A	P		HOLD SAFETY MEETING. TEST DART VALVE, PIPE AND BLIND RAMS, INSIDE AND OUTSIDE KILL LINE VALVES INSIDE CHOKE LINE VALVE, HCR VALVE, CHOKE LINE, CHOKE MANIFOLD VALVES AND CHOKES TO 5000 PSI FOR 10 MIN AND 500 PSI FOR 5 MIN. TEST ANNULAR TO 2500 PSI FOR 10 MIN AND 250 PSI FOR 5 MIN. TEST CSG TO 1500 PSI FOR 30 MIN. (SET UP BHA. INSTALL FLOW LINE. BRING 500 BBLS OF WATER FROM CUTTING PIT. RUN CENTRIFUGES. WATER WT 8.4#)
	13:00 - 15:00	2.00	MIRU	15	A	P		TEST STRATA ORBIT VALVE AND CHOKES TO 3000 PSI FOR 10 MIN AND 250 PSI FOR 5 MIN. (TIGHTEN FLANGES ONCE FOR LEAK. RIG DOWN TESTER.
	15:00 - 15:30	0.50	MIRU	14	B	P		INSTALL WEAR BUSHING. PERFORM PRE-SPUD AUDIT.
	15:30 - 17:30	2.00	MIRU	06	A	P		P/U HUNTING (.21RPG 1.5 BH MUD MOTOR). M/U ULTERRA 7-7/8" V616M BIT W/ 6-14'S (SN M14216). SCRIBE MOTOR AND MONELS. INSTALL EM TOOL. PROGRAM EM TOOL ON FLOOR. P/U MONEL. TRIP IN HOLE TO 400'.
	17:30 - 18:00	0.50	MIRU	07	A	P		SERVICE RIG. SERVICE TOP DRIVE AND CROWN. WHILE SERVICING TOP DRIVE FOUND MAIN BODY PIN ON ELEVATORS WAS SLIPPING OUT. WELD THAT KEEPS PIN IN PLACE HAD CRACKED. (RIG HAD SENT BACK SPARE SET OF ELEVATORS TO CASPER)

**US ROCKIES REGION
Operation Summary Report**

Well: BONANZA 1023-6G4CS YELLOW

Spud Date: 12/30/2011

Project: UTAH-UINTAH

Site: BONANZA 1023-6F PAD

Rig Name No: PROPETRO 12/12, XTC 12/12

Event: DRILLING

Start Date: 11/21/2011

End Date: 2/26/2012

Active Datum: RKB @5,138.01ft (above Mean Sea Level)

UWI: SE/NW/0/10/S/23/E/6/0/0/26/PM/N/1874/W/0/2053/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	18:00 - 20:00	2.00	MIRU	09	A	P		SLIP AND CUT DRILL LINE. WHILE WAITING ON RENTAL SET OF ELEVATORS FROM KNIGHT OIL TOOLS.
	20:00 - 20:30	0.50	MAINT	22	K	Z		WAIT ON ELEVATORS FROM VERNAL.
	20:30 - 22:30	2.00	MIRU	06	A	P		TRIP IN HOLE W/ HWDP.
	22:30 - 23:30	1.00	MIRU	06	A	P		INSTALL STRATA ROT HEAD RUBBER. STRATA PROBLEMS. UNABLE TO GET HEAD TO LINE UP WITH BOWL.
	23:30 - 0:00	0.50	MIRU	06	A	P		TRIP IN HOLE WITH DRILL PIPE.
2/21/2012	0:00 - 1:30	1.50	MIRU	06	A	P		TRIP IN HOLE. TAG CEMENT @ 2315'.
	1:30 - 2:30	1.00	DRLPRO	02	F	P		SPUD 2/21/2012 01:30 DRILL CEMENT AND FLOAT EQUIPMENT 2315'-2454'. WOB 15. SPM 400 GPM. RPM 45. FLOAT SHOE 2410'.
	2:30 - 6:30	4.00	DRLPRO	02	D	P		DRILL SLIDE 2454'- 2925' (471',104'/HR) WOB 15-20K. AVE WOB-17K. RPM 60. DHRPM 109. SPM 115 GPM-517. ON/OFF PSI 1875/1325. 550 DIFF. TORQUE ON/OFF 9400/4500. STRING WT UP/DOWN/ROT 81/65/69. DRAG 12K. SLIDE TO HOLE 17.5 DEGREE TANGENT. SLIDE 120' @ 100'/HR. SLIDE 25% ROT 75%. .03' LEFT AND 9' HIGH OF LINE. RUNNING CENTRIFUGES AND DE WATERING .WT 8.4 VIS 26. USED 26 BBLS DRILL WATER FOR HOLE VOLUME. LOSS 15 BBLS DRILL WATER INTO FORMATION. (LOSING 4 BBLS HR) STRATA OFF LINE.
	6:30 - 12:00	5.50	DRLPRO	02	D	P		DRILL SLIDE 2925'- 3364' (439', 80'/HR) WOB 15-20K. AVE WOB-17K. RPM 60. DHRPM 109. SPM 115 GPM-517. ON/OFF PSI 1875/1325. 550 DIFF. TORQUE ON/OFF 10800/4500. STRING WT UP/DOWN/ROT 95/67/73. DRAG 22K. SLIDE TO HOLE 17.5 DEGREE TANGENT. SLIDE 179' @ 60'/HR. SLIDE 40% ROT 60%. .03' LEFT AND 7' HIGH OF LINE. RUNNING CENTRIFUGES AND DE WATERING .WT 8.4 VIS 26. USED 24 BBLS DRILL WATER FOR HOLE VOLUME. LOSS 98 BBLS DRILL WATER INTO FORMATION. (LOSING 18 BBLS HR) PUMP 50 VIS AND 10% LCM SWEEPS TO HELP CONTROL LOSSES. (USE 9# DRILL WATER TO MAKE SWEEPS) STRATA OFF LINE. BOP DRILL.

**US ROCKIES REGION
Operation Summary Report**

Well: BONANZA 1023-6G4CS YELLOW

Spud Date: 12/30/2011

Project: UTAH-UINTAH

Site: BONANZA 1023-6F PAD

Rig Name No: PROPETRO 12/12, XTC 12/12

Event: DRILLING

Start Date: 11/21/2011

End Date: 2/26/2012

Active Datum: RKB @5,138.01ft (above Mean Sea Level)

UWI: SE/NW/0/10/S/23/E/6/0/0/26/PM/N/1874/W/0/2053/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	12:00 - 18:00	6.00	DRLPRO	02	D	P		DRILL SLIDE 3364'-3730 (366', 61'/HR) WOB 15-20K. AVE WOB-18K. RPM 60. DHRPM 109. SPM 115 GPM-517. ON/OFF PSI 1950/1450. 500 DIFF. TORQUE ON/OFF 11000/4500. STRING WT UP/DOWN/ROT 95/67/73. DRAG 22K. SLIDE TO HOLE 17.5 DEGREE TANGENT. SLIDE 179' @ 25'/HR AND DROPPING. SLIDE 48% ROT 62%. 6' HIGH OF LINE. BIT IS TO AGGRESSIVE TO SLIDE WITH. 1100 FT OF TANGENT LEFT. RUNNING CENTRIFUGES AND DE WATERING .WT 8.4 VIS 26. USED 20 BBLS DRILL WATER FOR HOLE VOLUME. LOSS 20 BBLS DRILL WATER INTO FORMATION. (LOSING 3 BBLS HR) PUMP 50 VIS AND 10% LCM SWEEPS TO HELP CONTROL LOSSES. STRATA OFF LINE.
	18:00 - 18:30	0.50	DRLPRO	07	A	P		SERVICE RIG. SERVICE TOP DRIVE. SERVICE CROWN.
	18:30 - 19:00	0.50	DRLPRO	05	C	P		BUILD 70 BBLS 10# PILL AND PUMP FOR DRY JOB. BLOW TO DRIVE.
	19:00 - 22:30	3.50	DRLPRO	06	A	P		TRIP OUT OF HOLE FOR BIT. NO TIGHT HOLE. HOLE TAKING PROPER FLUID. PULL ROT HEAD RUBBER BEFORE HWDP. PULL DIRECTIONAL TOOLS. PULL MOTOR AND BREAK BIT. (FUNCTION PIPE RAMS AND BLIND RAMS.)
	22:30 - 0:00	1.50	DRLPRO	06	A	P		MAKE UP SMITH MDI 616 BIT (SN JF2963) SCRIBE MOTOR AND DIRECTIONAL TOOLS. PROGRAM EM TOOL. TRIP IN HOLE TO 623' AT REPORT TIME.
2/22/2012	0:00 - 3:00	3.00	DRLPRO	06	A	P		TRIP IN HOLE WITH MDI 616 BIT #2. INSTALL ROT HEAD RUBBER AFTER RUNNING IN WITH HWDP. TRIP IN HOLE . FILL PIPE AT SHOE. NO TIGHT HOLE ON TRIP. TRIP IN HOLE TO 3730'.
	3:00 - 5:30	2.50	DRLPRO	02	D	P		DRILL SLIDE 3730'-3994'. (264', 106'/HR) WOB 15-22K. AVE WOB-18K. RPM 60. DHRPM 109. SPM 115 GPM-517. ON/OFF PSI 1850/1450. 400 DIFF. TORQUE ON/OFF 8600/4800. STRING WT UP/DOWN/ROT 105/75/88. DRAG 17K. SLIDE TO HOLD 17.5 DEGREE TANGENT. SLIDE 180' @ 100'/HR SLIDE 68% ROT 32%. 10' LOW OF LINE. RUNNING CENTRIFUGES AND DE WATERING .WT 8.4 VIS 26. USED 14 BBLS DRILL WATER FOR HOLE VOLUME. LOSS 8 BBLS DRILL WATER INTO FORMATION. (LOSING 3 BBLS HR) PUMP 50 VIS AND 10% LCM SWEEPS TO HELP CONTROL LOSSES. STRATA OFF LINE.

**US ROCKIES REGION
Operation Summary Report**

Well: BONANZA 1023-6G4CS YELLOW

Spud Date: 12/30/2011

Project: UTAH-UINTAH

Site: BONANZA 1023-6F PAD

Rig Name No: PROPETRO 12/12, XTC 12/12

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Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	5:30 - 6:00	0.50	DRLPRO	07	A	P		SERVICE TOP DRIVE. SERVICE CROWN. SERVICE GENERATORS.
	6:00 - 17:30	11.50	DRLPRO	02	D	P		DRILL SLIDE 3994'-5340' (1346',117'/HR) WOB 15-23K. AVE WOB-21K. RPM 60. DHRPM 109. SPM 115 GPM-517. ON/OFF PSI 2125/1775. 350 DIFF. TORQUE ON/OFF 10000/7000. STRING WT UP/DOWN/ROT 149/90/105. DRAG 44K. SLIDE TO DROP ANGLE @ 5000'. SLIDE 445' @ 100'/HR SLIDE 33% ROT 67%. 3' WEST OF CENTER OF TARGET. RUNNING CENTRIFUGES AND DE WATERING .WT 8.4 VIS 26. USED 73 BBLS DRILL WATER FOR HOLE VOLUME. LOSS 120 BBLS DRILL WATER INTO FORMATION. (LOSING 10 BBLS HR) PUMP 50 VIS AND 10% LCM SWEEPS TO HELP CONTROL LOSSES. STRATA OFF LINE. BOP DRILL.
	17:30 - 18:00	0.50	DRLPRO	07	A	P		SERVICE TOP DRIVE. SERVICE DRAW WORKS. WORK PIPE RAMS.
	18:00 - 0:00	6.00	DRLPRO	02	D	P		DRILL SLIDE 5340'- 5842' (502', 83'/HR) WOB 15-23K. AVE WOB-21K. RPM 60. DHRPM 109. SPM 115 GPM-517. ON/OFF PSI 2225/1775. 450 DIFF. TORQUE ON/OFF 11000/6500. STRING WT UP/DOWN/ROT 175/90/115. DRAG 60K. DROPPED IN LOW ON TARGET. SLIDE TO NORTH. SLIDE 182' @ 75'/HR SLIDE 36% ROT 64%. 15' SOUTH 6' EAST OF CENTER OF TARGET. RUNNING CENTRIFUGES. WT 8.8 VIS 29. LIGHT MUD UP TO HELP WITH DRAG AND TORQUE. REAM EVERY CONNECTION. USED 27 BBLS DRILL WATER FOR HOLE VOLUME. LOSS 33 BBLS DRILL WATER INTO FORMATION. (LOSING 5 BBLS HR) PUMP 50 VIS AND 10% LCM SWEEPS TO HELP CONTROL LOSSES. STRATA OFF LINE. BOP DRILL.

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Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
2/23/2012	0:00 - 5:30	5.50	DRLPRO	02	D	P		DRILL SLIDE 5842'-6354' (512', 93'/HR) WOB 15-23K. AVE WOB-21K. RPM 60. DHRPM 109. SPM 115 GPM-517. ON/OFF PSI 2200/1775. 425 DIFF. TORQUE ON/OFF 11200/8500. STRING WT UP/DOWN/ROT 163/90/118. DRAG 45K. SLIDE TO NORTH WEST. SLIDE 70' @ 75'/HR SLIDE 14% ROT 86%. 6' WEST 1' NORTH OF CENTER OF TARGET. RUNNING CENTRIFUGES. WT 8.8 VIS 29. LIGHT MUD UP TO HELP WITH DRAG AND TORQUE. REAM EVERY CONNECTION. USED 28 BBLS DRILL WATER FOR HOLE VOLUME. LOSS 26 BBLS DRILL WATER INTO FORMATION. (LOSING 5 BBLS HR) PUMP 50 VIS AND 10% LCM SWEEPS TO HELP CONTROL LOSSES. STRATA OFF LINE.
	5:30 - 6:00	0.50	DRLPRO	07	A	P		RIG SERVICE. SERVICE TOP DRIVE.
	6:00 - 15:00	9.00	DRLPRO	02	D	P		DRILL SLIDE 6354'- 7178' (824', 92'/HR) WOB 19-25K. AVE WOB-23K. RPM 60. DHRPM 109. SPM 115 GPM-517. ON/OFF PSI 2650/2250. 400 DIFF. TORQUE ON/OFF 12500/9500. STRING WT UP/DOWN/ROT 168/100/127. DRAG 41K. SLIDE 53' @ 60'/HR SLIDE 7% ROT 93%. 16' WEST 11' NORTH OF CENTER OF TARGET. RUNNING CENTRIFUGES. WT 9.0 VIS 32. REAM EVERY CONNECTION. USED 45 BBLS DRILL WATER FOR HOLE VOLUME. LOSS 33 BBLS DRILL WATER INTO FORMATION. (LOSING 3.5 BBLS HR) PUMP 10% LCM SWEEPS TO HELP CONTROL LOSSES. STRATA OFF LINE.
	15:00 - 15:30	0.50	DRLPRO	07	A	P		RIG SERVICE. SERVICE TOP DRIVE. SERVICE CROWN. SERVICE GENERATORS.

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Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	15:30 - 0:00	8.50	DRLPRO	02	D	P		DRILL SLIDE 7178'- 7940' (762', 90'/HR) WOB 19-25K. AVE WOB-24K. RPM 60. DHRPM 109. SPM 115 GPM-517. ON/OFF PSI 2600/2225. 375 DIFF. TORQUE ON/OFF 12800/9500. STRING WT UP/DOWN/ROT 175/122/140. DRAG 35K. SLIDE 20' @ 50'/HR SLIDE 3% ROT 97%. 5' WEST 4' NORTH OF CENTER OF TARGET. RUNNING CENTRIFUGES. WT 9.0 VIS 34. REAM EVERY CONNECTION. USED 41 BBLS DRILL WATER FOR HOLE VOLUME. LOSS 46 BBLS DRILL WATER INTO FORMATION. (LOSING 5 BBLS HR) PUMP 10% LCM SWEEPS TO HELP CONTROL LOSSES. STRATA OFF LINE. 5' FLARE FROM 7830-7871'.
2/24/2012	0:00 - 5:30	5.50	DRLPRO	02	D	P		DRILL SLIDE 7940'- 8169' (229', 46'/HR) WOB 19-25K. AVE WOB-24K. RPM 60. DHRPM 109. SPM 115 GPM-517. ON/OFF PSI 2600/2225. 375 DIFF. TORQUE ON/OFF 12800/10000. STRING WT UP/DOWN/ROT 186/110/146. DRAG 35K. SLIDE 75' @ 25'/HR SLIDE 32% ROT 68%. 2' SOUTH 4' EAST OF CENTER OF TARGET. RUNNING CENTRIFUGES. WT 9.1 VIS 34. REAM EVERY CONNECTION. USED 12 BBLS DRILL WATER FOR HOLE VOLUME. LOSS 0 BBLS DRILL WATER INTO FORMATION. (LOSING 0 BBLS HR) PUMP 10% LCM SWEEPS TO HELP WITH TORQUE. STRATA OFF LINE. NO FLARE.
	5:30 - 6:00	0.50	DRLPRO	07	A	P		RIG SERVICE. SERVICE TOP DRIVE.

US ROCKIES REGION

Operation Summary Report

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UWI: SE/NW/0/10/S/23/E/6/0/0/26/PM/N/1874/W/0/2053/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	6:00 - 15:00	9.00	DRLPRO	02	D	P		DRILL SLIDE 8169'- 8688' (519', 58'/HR) TD 2/24/2012 15:00. WOB 19-25K. AVE WOB-24K. RPM 60. DHRPM 109. SPM 115 GPM-517. ON/OFF PSI 2650/2250. 400 DIFF. TORQUE ON/OFF 12800/10000. SWEEP HOLE WITH 40 BBL ANCHO GLIDE SWEEP TO HELP WITH TORQUE. STRING WT UP/DOWN/ROT 218/112/154. DRAG 64K. SLIDE 75' @ 50'/HR SLIDE 14% ROT 86%. 10' SOUTH 22' EAST OF CENTER OF TARGET. 1' IN TARGET. RUNNING CENTRIFUGES. WT 9.0 VIS 34. DEWATER FOR 2 CIRC TO DROP MUD WT TO 9.0# USED 28 BBLs DRILL WATER FOR HOLE VOLUME. LOSS 0 BBLs DRILL WATER INTO FORMATION. (LOSING 0 BBLs HR) STRATA OFF LINE. 25' FLARE FROM 8367'. 10-15' FLARE @ TD.
	15:00 - 16:00	1.00	EVALPR	05	B	P		START DISPLACING HOLE WITH 11.4# MUD 45 VIS. SWEEP HOLE WITH LCM TO FLAG START OF HEAVY MUD. TRANSFER 780 BBLs OF 9# 34 VIS DRILL MUD INTO UPRIGHTS.
	16:00 - 17:00	1.00	EVALPR	22	G	X		LOSS ABOUT 50% RETURNS WHILE EVENING MUD WT TO 11.3#. SLOW PUMPS TO 40 SPM (180 GPM) SWEEP HOLE WITH 20% LCM SWEEP. LOSS 120 BBLs TOTAL. ADDED 50 BBLs OF 9# MUD BACK INTO SYSTEM FROM UPRIGHTS.
	17:00 - 19:30	2.50	EVALPR	05	B	P		EVEN MUD WT TO 11.2# FOR WIPER TRIP. WHILE CIRCULATING. PERFORMED BRAKE CHECK AND E STOP PRECEDURE. HOLE SEEPING 10 BBLs HR. PUMP 5 SX SWEEPS OF LCM EVERY 30 MIN. ADDED 40 BBLs OF 9# MUD INTO PILL TANK AND MIXED 13# PILL FOR DRY JOB AND HOLD.
	19:30 - 0:00	4.50	EVALPR	06	E	P		PUMP AND ROTATE OUT OF HOLE. TO 7600'. 60K PULL OVER FROM 7600'. PUMP DRY JOB @ 7200'. WASH THROUGH TIGHT HOLE @ 6190'-6153', 5785'. WASHING THROUGH TIGHT HOLE 4931'-4898'. @ REORT TIME.
2/25/2012	0:00 - 2:00	2.00	EVALPR	06	E	P		WIPER TRIP TO SHOE. NO TIGHT HOLE FROM 4989'-2410'. HOLE TOOK EXTRA 20 BBLs OF MUD TO FILL ON TRIP OUT. NO FLOW ON FLOW CHECK.
	2:00 - 6:00	4.00	EVALPR	06	E	P		TRIP IN HOLE TO 6600'.. REAM THROUGH BRIDGES 3880', 3974', 6353, 6365'. GOOD HOLE DISPLACEMENT ON TRIP IN. TOOK (10 BBLs MUD ON WHILE REAMING BRIDGES) PUMP LCM SWEEP WHILE REAMING.
	6:00 - 6:30	0.50	EVALPR	07	A	P		SERVICE RIG. SERVICE TOP DRIVE. CHECK BRAKE AIR GAP AND E-STOP BUTTON.
	6:30 - 8:00	1.50	EVALPR	06	E	P		TRIP IN HOLE. NO MORE TIGHT HOLE. HOLE DISPLACING GOOD. 10' FILL ON BOTTOM. LOSS 25 BBLs ON TRIP IN.

**US ROCKIES REGION
Operation Summary Report**

Well: BONANZA 1023-6G4CS YELLOW

Spud Date: 12/30/2011

Project: UTAH-UINTAH

Site: BONANZA 1023-6F PAD

Rig Name No: PROPETRO 12/12, XTC 12/12

Event: DRILLING

Start Date: 11/21/2011

End Date: 2/26/2012

Active Datum: RKB @5,138.01ft (above Mean Sea Level)

UWI: SE/NW/0/10/S/23/E/6/0/0/26/PM/N/1874/W/0/2053/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	8:00 - 10:00	2.00	EVALPR	05	B	P		SWEEP HOLE WITH LCM SWEEP TO CONTROL SEEPAGE.(LOSS 10 BBLS MUD , THEN MUD STARTED HOLDING) RAISE MUD WT TO 11.4 AROUND. CONTINUE TO SWEEP HOLE WITH LCM TO CONTAIN LOSSES AND TO CLEAN HOLE. MUD IN 11.4 VIS 40. MUD OUT 11.4 VIS 40. 10' FLARE ON BOTTOMS UP. MIX 40 BBL 13# PILL FOR DRY JOB AND HOLD.
	10:00 - 19:00	9.00	EVALPR	06	B	P		TRIP OUT OF HOLE FOR LOGS. PUMP AND ROT OUT OF HOLE TO 7900'. 60K OVER ROTATING. PUMP DRY JOB 40 K OVER PULL. HOLE SLICK ON TRIP OUT. HOLE TAKING PROPER FLUID. NO FLOW ON FLOW CHECKS. PULL ROT RUBBER @ HWDP. PULL EM TOOL AND LAY DOWN DIRECTIONAL TOOLS. BREAK BIT AND LD MOTOR.
	19:00 - 23:00	4.00	EVALPR	11	D	P		PULL WEAR BUSHING AND BLOW DOWN TOP DRIVE. WORK PIPE AND BLIND RAMS. HOLD SAFETY MEETING WITH HALLIBURTON LOGGERS. RIG UP LOGGERS AND RUN IN HOLE WITH TRIPLE COMBO LOGS. LOGS BRIDGED OUT @ 4016'. LOG FROM 4016'-2410'. RIG DOWN LOGGERS.
	23:00 - 23:30	0.50	CSG	12	A	P		RIG UP GRASSHOPPER. GO THROUGH PUMPS. CHECK AIR GAP AND E-STOP BUTTON..
	23:30 - 0:00	0.50	CSG	12	C	P		HOLD SAFETY MEETING WITH KIMZEY CSG AND TSI HAND. RIG UP KIMZEY CSG. MAKE UP 4.5" L-80 DCT AUTO FILL FLOAT SHOE AND FLOAT COLLAR ON SHOE JT. WITH THREAD LOCK.
								RUNNING 4.5" 11.6# I-80 LTC CSG @ 400' REPORT TIME.

**US ROCKIES REGION
Operation Summary Report**

Well: BONANZA 1023-6G4CS YELLOW

Spud Date: 12/30/2011

Project: UTAH-UJINTAH

Site: BONANZA 1023-6F PAD

Rig Name No: PROPETRO 12/12, XTC 12/12

Event: DRILLING

Start Date: 11/21/2011

End Date: 2/26/2012

Active Datum: RKB @5,138.01ft (above Mean Sea Level)

UWI: SE/NW/0/10/S/23/E/6/0/0/26/PM/N/1874/W/0/2053/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
2/26/2012	0:00 - 11:30	11.50	CSG	12	C	P		<p>RAN CSG IN HOLE. AUTO FILL FLOATS QUIT FILLING 300' IN HOLE. RUN CENTRALIZERS ON FIRST 3 JTS AND EVERY THIRD FOR TOTAL OF 15 JTS. STAB STRATA ROT HEAD RUBBER AND FILL CSG @ 1800'. RUN IN HOLE WITH ALL I-80 JTS ON RACK THEN RIG UP TORQUE TURN. PERFORM DUMP TEST. TORQUE TURN DQX CSG. (WASH CSG THROUGH TIGHT SPOT @ 3923'). HAD TO LAY DOWN 2 JTS OF DQX FOR BECAUSE OF GAULDING. ONLY 1 JT OF DQX ON LOCATION TO REPLACE BAD JT, HOT SHOTTED 4 JTS OF DQX FROM H & P 311. SLOWED CASING RUN DOWN SO CASING FROM 311 WOULD BE ON LOCATION BEFORE CASING REACHED BOTTOM. WASH DOWN LAST JT. NO FILL ON BOTTOM. NO LOSSES ON CSG RUN.</p> <p>RUN TOTAL OF 82- 4.5" 11.6# I-80 LTC JT OF CSG (3656') AND 115 JTS OF 4.5" 11.6# I-80 DQX CSG (5003') SET FLOAT SHOE @ 8674.62' KB, SET TOP OF FLOAT COLLAR @ 8627.5' KB. SET TOP OF MESA MARKER JT @ 6495.9' KB. SET TOP DQX TO LTC CROSS OVER JT @ 5018.2' KB.</p> <p>CLEAN PITS WHILE RUNNING CSG. BJ ON LOCATION AT 5:00 A.M. 390 SX OF LEAD ON LOCATION AND 1050 SX OF TAIL ON LOCATION. CIRCULATE OUT GAS. MUD OUT WT 11.4 VIS 41 . MUD IN WT 11.4 VIS 38. 10-15' FLARE ON BOTTOMS UP. NO LOSSES. BLOW DOWN KELLY.</p> <p>RIG DOWN KIMZEY CSG CREW AND HOLD SAFETY MEETING WITH HALLIBURTON LOGGERS. INSTALL CEMENT HEAD. PRESSURE TEST TO 4000 PSI.</p> <p>PUMP 25 BBLs OF FRESH WATER. PUMP 157 BBLs (390 SX) OF 12.0 PPG 2.26 YD 12.48 GAL/SK OF LEAD CEMENT. PUMP 244.85 BBLs (1050 SX) OF 14.3# 1.31 YD 5.90 GAL/SK POZ 50/50 TAIL CEMENT. SHUT DOWN AND FLUSH LINES. DROP TOP PLUG AND DISPLACE W/ 134 BBLs OF FRESH WATER TREATED WITH CLAYFIX AND MAGNACIDE. (RETURNED WITH 3 BBLs OF LEAD CEMENT TO SURFACE.) LIFT PSI OF 2350 @ 3 BBLs MIN. BUMP PLUG 3000 PSI. PRESSURE HELD 5 MINS. FLOAT HELD. FLOW BACK 1.5 BBLs.</p> <p>EST. TOC FOR LEAD 15', EST TOC FOR TAIL 3600'.</p> <p>RIG DOWN CEMENTERS. FLUSH STACK WITH FRESH WATER. BLOW OUT MUD LINES. STORED 780 BBLs OF 11.4# MUD IN UPRIGHTS.</p>
	11:30 - 12:30	1.00	CSG	05	D	P		
	12:30 - 15:30	3.00	CSG	12	E	P		

**US ROCKIES REGION
Operation Summary Report**

Well: BONANZA 1023-6G4CS YELLOW

Spud Date: 12/30/2011

Project: UTAH-UINTAH

Site: BONANZA 1023-6F PAD

Rig Name No: PROPETRO 12/12, XTC 12/12

Event: DRILLING

Start Date: 11/21/2011

End Date: 2/26/2012

Active Datum: RKB @5,138.01ft (above Mean Sea Level)

UWI: SE/NW/0/10/S/23/E/6/0/0/26/PM/N/1874/W/0/2053/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	15:30 - 16:00	0.50	RDMO	14	A	P		NIPPLE DOWN STACK. REMOVE FLOW LINE. EXTEND CHOKE LINE.
	16:00 - 18:30	2.50	RDMO	14	A	P		NIPPLE DOWN STRATA EQUIPMENT OFF OF STACK
	18:30 - 19:30	1.00	RDMO	14	A	P		PREPARED RIG FOR 20' SKID. P/U STACK. SET C-22 SLIPS UNDER STACK @ 100K. CUT OFF CSG.
								RELEASE RIG 1/26/2012 19:30. FINISH CLEANING PITS.

1 General

1.1 Customer Information

Company	US ROCKIES REGION
Representative	
Address	

1.2 Well/Wellbore Information

Well	BONANZA 1023-6G4CS YELLOW	Wellbore No.	OH
Well Name	BONANZA 1023-6G4CS	Wellbore Name	BONANZA 1023-6G4CS
Report No.	1	Report Date	4/16/2012
Project	UTAH-UINTAH	Site	BONANZA 1023-6F PAD
Rig Name/No.		Event	COMPLETION
Start Date	5/8/2012	End Date	5/8/2012
Spud Date	12/30/2011	Active Datum	RKB @5,138.01ft (above Mean Sea Level)
UWI	SE/NW/010/S/23/E/6/Q/0/26/PM/N/1874/W/0/2053/Q/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	5,830.0 (ft)-8,512.0 (ft)	Start Date/Time	4/16/2012 12:00AM
No. of Intervals	45	End Date/Time	4/24/2012 12:00AM
Total Shots	195	Net Perforation Interval	63.00 (ft)
Avg Shot Density	3.10 (shot/ft)	Final Surface Pressure	
		Final Press Date	

2 Intervals

2.1 Perforated Interval

Date	Formation/Reservoir	CCL@ (ft)	CCL-T S (ft)	MD Top (ft)	MD Base (ft)	Shot Density (shot/ft)	Misfires/Add. Shot	Diameter (in)	Carr Type /Stage No	Carr Size (in)	Phasing (*)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
4/16/2012 12:00AM	WASATCH/			5,830.0	5,831.0	3.00		0.360	EXP/	3.375			23.00	PRODUCTIO	N

2.1 Perforated Interval (Continued)

Date	Formation/ Reservoir	CCL@ (ft)	CCL-T S (ft)	MD Top (ft)	MD Base (ft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diamete r (in)	Carr Type /Stage No	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun.
4/16/2012 12:00AM	WASATCH/			5,884.0	5,885.0	3.00		0.360	EXP/	3.375			23.00	PRODUCTIO N	
4/16/2012 12:00AM	WASATCH/			6,037.0	6,038.0	3.00		0.360	EXP/	3.375			23.00	PRODUCTIO N	
4/16/2012 12:00AM	WASATCH/			6,061.0	6,063.0	3.00		0.360	EXP/	3.375			23.00	PRODUCTIO N	
4/16/2012 12:00AM	WASATCH/			6,130.0	6,133.0	3.00		0.360	EXP/	3.375			23.00	PRODUCTIO N	
4/16/2012 12:00AM	WASATCH/			6,317.0	6,319.0	4.00		0.360	EXP/	3.375			23.00	PRODUCTIO N	
4/16/2012 12:00AM	WASATCH/			6,332.0	6,334.0	4.00		0.360	EXP/	3.375			23.00	PRODUCTIO N	
4/16/2012 12:00AM	WASATCH/			6,424.0	6,426.0	4.00		0.360	EXP/	3.375			23.00	PRODUCTIO N	
4/16/2012 12:00AM	MESAVERDE/			6,845.0	6,846.0	3.00		0.360	EXP/	3.375			23.00	PRODUCTIO N	
4/16/2012 12:00AM	MESAVERDE/			6,911.0	6,913.0	3.00		0.360	EXP/	3.375			23.00	PRODUCTIO N	
4/16/2012 12:00AM	MESAVERDE/			6,938.0	6,940.0	3.00		0.360	EXP/	3.375			23.00	PRODUCTIO N	
4/16/2012 12:00AM	MESAVERDE/			7,029.0	7,032.0	3.00		0.360	EXP/	3.375			23.00	PRODUCTIO N	
4/24/2012 12:00AM	MESAVERDE/			7,054.0	7,056.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
4/16/2012 12:00AM	MESAVERDE/			7,150.0	7,151.0	3.00		0.360	EXP/	3.375			23.00	PRODUCTIO N	
4/16/2012 12:00AM	MESAVERDE/			7,224.0	7,225.0	3.00		0.360	EXP/	3.375			23.00	PRODUCTIO N	
4/16/2012 12:00AM	MESAVERDE/			7,254.0	7,255.0	3.00		0.360	EXP/	3.375			23.00	PRODUCTIO N	
4/16/2012 12:00AM	MESAVERDE/			7,288.0	7,288.0	3.00		0.360	EXP/	3.375			23.00	PRODUCTIO N	
4/16/2012 12:00AM	MESAVERDE/			7,386.0	7,387.0	3.00		0.360	EXP/	3.375			23.00	PRODUCTIO N	
4/16/2012 12:00AM	MESAVERDE/			7,448.0	7,450.0	3.00		0.360	EXP/	3.375			23.00	PRODUCTIO N	
4/16/2012 12:00AM	MESAVERDE/			7,520.0	7,521.0	3.00		0.360	EXP/	3.375			23.00	PRODUCTIO N	
4/16/2012 12:00AM	MESAVERDE/			7,536.0	7,537.0	3.00		0.360	EXP/	3.375			23.00	PRODUCTIO N	
4/16/2012 12:00AM	MESAVERDE/			7,592.0	7,593.0	3.00		0.360	EXP/	3.375			23.00	PRODUCTIO N	

2.1 Perforated Interval (Continued)

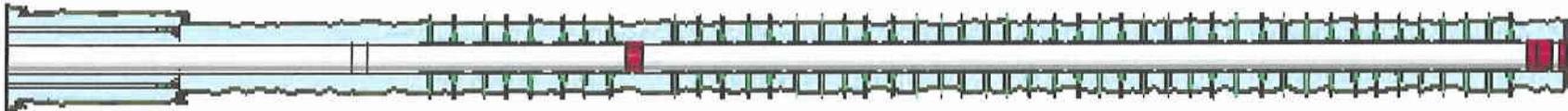
Date	Formation/ Reservoir	CCL@ (ft)	CCL-T S (ft)	MD Top (ft)	MD Base (ft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diamete r (in)	Carr Type /Stage No	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
4/16/2012 12:00AM	MESAVERDE/			7,608.0	7,609.0	3.00		0.360	EXP/	3.375			23.00	PRODUCTIO N	
4/16/2012 12:00AM	MESAVERDE/			7,632.0	7,633.0	3.00		0.360	EXP/	3.375			23.00	PRODUCTIO N	
4/16/2012 12:00AM	MESAVERDE/			7,706.0	7,708.0	3.00		0.360	EXP/	3.375			23.00	PRODUCTIO N	
4/16/2012 12:00AM	MESAVERDE/			7,774.0	7,775.0	3.00		0.360	EXP/	3.375			23.00	PRODUCTIO N	
4/16/2012 12:00AM	MESAVERDE/			7,795.0	7,796.0	3.00		0.360	EXP/	3.375			23.00	PRODUCTIO N	
4/16/2012 12:00AM	MESAVERDE/			7,816.0	7,817.0	3.00		0.360	EXP/	3.375			23.00	PRODUCTIO N	
4/16/2012 12:00AM	MESAVERDE/			7,834.0	7,835.0	3.00		0.360	EXP/	3.375			23.00	PRODUCTIO N	
4/16/2012 12:00AM	MESAVERDE/			7,904.0	7,906.0	3.00		0.360	EXP/	3.375			23.00	PRODUCTIO N	
4/16/2012 12:00AM	MESAVERDE/			7,941.0	7,942.0	3.00		0.360	EXP/	3.375			23.00	PRODUCTIO N	
4/16/2012 12:00AM	MESAVERDE/			7,970.0	7,971.0	3.00		0.360	EXP/	3.375			23.00	PRODUCTIO N	
4/16/2012 12:00AM	MESAVERDE/			8,026.0	8,027.0	3.00		0.360	EXP/	3.375			23.00	PRODUCTIO N	
4/16/2012 12:00AM	MESAVERDE/			8,118.0	8,120.0	3.00		0.360	EXP/	3.375			23.00	PRODUCTIO N	
4/16/2012 12:00AM	MESAVERDE/			8,140.0	8,141.0	3.00		0.360	EXP/	3.375			23.00	PRODUCTIO N	
4/16/2012 12:00AM	MESAVERDE/			8,180.0	8,182.0	3.00		0.360	EXP/	3.375			23.00	PRODUCTIO N	
4/16/2012 12:00AM	MESAVERDE/			8,242.0	8,244.0	3.00		0.360	EXP/	3.375			23.00	PRODUCTIO N	
4/16/2012 12:00AM	MESAVERDE/			8,302.0	8,303.0	3.00		0.360	EXP/	3.375			23.00	PRODUCTIO N	
4/16/2012 12:00AM	MESAVERDE/			8,313.0	8,314.0	3.00		0.360	EXP/	3.375			23.00	PRODUCTIO N	
4/16/2012 12:00AM	MESAVERDE/			8,352.0	8,353.0	3.00		0.360	EXP/	3.375			23.00	PRODUCTIO N	
4/16/2012 12:00AM	MESAVERDE/			8,366.0	8,367.0	3.00		0.360	EXP/	3.375			23.00	PRODUCTIO N	
4/16/2012 12:00AM	MESAVERDE/			8,412.0	8,413.0	3.00		0.360	EXP/	3.375			23.00	PRODUCTIO N	
4/16/2012 12:00AM	MESAVERDE/			8,454.0	8,455.0	3.00		0.360	EXP/	3.375			23.00	PRODUCTIO N	

2.1 Perforated Interval (Continued)

Date	Formation/ Reservoir	CCL@ (ft)	CCL-T S (ft)	MD Top (ft)	MD Base (ft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diamete r (in)	Carr Type /Stage No	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
4/16/2012 12:00AM	MESAVERDE/			8,486.0	8,487.0	3.00		0.360	EXP/	3.375			23.00	PRODUCTIO N	
4/16/2012 12:00AM	MESAVERDE/			8,511.0	8,512.0	3.00		0.360	EXP/	3.375			23.00	PRODUCTIO N	

3 Plots

3.1 Wellbore Schematic



**US ROCKIES REGION
Operation Summary Report**

Well: BONANZA 1023-6G4CS YELLOW

Spud Date: 12/30/2011

Project: UTAH-UINTAH

Site: BONANZA 1023-6F PAD

Rig Name No: SWABBCO 6/6, SWABBCO 6/6

Event: COMPLETION

Start Date: 5/8/2012

End Date: 5/8/2012

Active Datum: RKB @5,138.01ft (above Mean Sea Level)

UWI: SE/NW/0/10/S/23/E/6/0/0/26/PM/N/1874/W/0/2053/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
4/16/2012	-							
4/20/2012	7:00 - 9:00	2.00	COMP	33		P		<p>FILL SURFACE CSG. MIRU B&C QUICK TEST. PSI TEST T/ 1000 PSI. HELD FOR 15 MIN LOST 19 PSI. PSI TEST T/ 3500 PSI. HELD FOR 15 MIN LOST 19 PSI. 1ST PSI TEST T/ 7000 PSI. HELD FOR 30 MIN LOST 105 PSI. NO COMMUNICATION OR MIGRATION WITH SURFACE CSG BLEED OFF PSI. MOVE T/ NEXT WELL.</p>
	9:00 - 12:00	3.00	COMP	37		P		<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. SWIFW</p>
4/23/2012	10:00 - 18:00	8.00	COMP	36	B	P		<p>FRAC STG 1)WHP 1200 PSI, BRK 4299 PSI @ 4.7 BPM. ISIP 2288 PSI, FG .71. CALC PERFS OPEN @ 49.6 BPM @ 5800 PSI = 71% HOLES OPEN. (17/24 HOLES OPEN) ISIP 2326 PSI, FG .72, NPI 38 PSI. MP 6243 PSI, MR 50.3 BPM, AP 3999 PSI, AR 49.9 BPM, PUMPED 30/50 OWATTA SAND. SWI, X-OVER FOR WL.</p> <p>PERF STG 2)PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 120 DEG PHASING. RIH SET CBP @ 8274' P/U PERF AS PER DESIGN. POOH, X-OVER FOR FRAC CREW.</p> <p>FRAC STG 2)WHP 2089 PSI, BRK 3407 PSI @ 4.7 BPM. ISIP 2245 PSI, FG .71. CALC PERFS OPEN @ 50 BPM @ 4721 PSI = 100% HOLES OPEN. (24/24 HOLES OPEN) ISIP 2425 PSI, FG .74, NPI 180 PSI. MP 5228 PSI, MR 50.3 BPM, AP 4068 PSI, AR 49.9 BPM, PUMPED 30/50 OWATTA SAND. SWI, X-OVER FOR WL.</p> <p>PERF STG 3)PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 120 DEG PHASING. RIH SET CBP @ 8001' P/U PERF AS PER DESIGN. POOH, X-OVER FOR FRAC CREW.</p> <p>FRAC STG 3)WHP 1242 PSI, BRK 3314 PSI @ 5.0 BPM. ISIP 1644 PSI, FG .65. CALC PERFS OPEN @ 57.4 BPM @ 4735 PSI = 100% HOLES OPEN. (24/24 HOLES OPEN) ISIP 2018 PSI, FG .70, NPI 374 PSI. MP 6111 PSI, MR 58.2 BPM, AP 4608 PSI, AR 57.6 BPM, PUMPED 30/50 OWATTA SAND. SWIFN.</p>

**US ROCKIES REGION
Operation Summary Report**

Well: BONANZA 1023-6G4CS YELLOW

Spud Date: 12/30/2011

Project: UTAH-UINTAH

Site: BONANZA 1023-6F PAD

Rig Name No: SWABBCO 6/6, SWABBCO 6/6

Event: COMPLETION

Start Date: 5/8/2012

End Date: 5/8/2012

Active Datum: RKB @5,138.01ft (above Mean Sea Level)

UWI: SE/NW/0/10/S/23/E/6/0/0/26/PM/N/1874/W/0/2053/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
4/24/2012	11:00 - 18:00	7.00	COMP	36	B	P		<p>PERF STG 4)PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 120 DEG PHASING. RIH SET CBP @ 7738' P/U PERF AS PER DESIGN. POOH, X-OVER FOR FRAC CREW.</p> <p>FRAC STG 4)WHP 517 PSI, BRK 1793 PSI @ 5.1 BPM. ISIP 1117 PSI, FG .59. CALC PERFS OPEN @ 51.7 BPM @ 5733 PSI = 69% HOLES OPEN. (14/24 HOLES OPEN) ISIP 2044 PSI, FG .71, NPI 927 PSI. MP 6483 PSI, MR 58.5 BPM, AP 4253 PSI, AR 56.3 BPM, PUMPED 30/50 OWATTA SAND. SWI, X-OVER FOR WL.</p> <p>PERF STG 5)PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 120 DEG PHASING. RIH SET CBP @ 7480' P/U PERF AS PER DESIGN. POOH, X-OVER FOR FRAC CREW.</p> <p>FRAC STG 5)WHP 660 PSI, BRK 1958 PSI @ 4.9 BPM. ISIP 1205 PSI, FG .60. CALC PERFS OPEN @ 58 BPM @ 4088 PSI = 100% HOLES OPEN. (24/24 HOLES OPEN) ISIP 2086 PSI, FG .72, NPI 881 PSI. MP 4548 PSI, MR 58.7 BPM, AP 4001 PSI, AR 57.9 BPM, PUMPED 30/50 OWATTA SAND. SWI, X-OVER FOR WL.</p> <p>PERF STG 6)PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 120 DEG PHASING. RIH ATTM T/ SET CBP @ 7062'. PLUG WOULD NOT SET. POOH. FOUND 1ST NEG GUN WENT OFF INSTEAD. (GUN THAT WENT OFF SHOT PERF'S F/ 7054'-56') SWFN.</p> <p>CALL ENGINEER. IN THE :AM, RIH SET CBP ABOVE THESE PERF'S. THESE PERF'S WILL BE W/ STG 5 PERF'S. PERF @ 7054'-56' WERE NOT FRACED. (MISSFIRE F/ STG 6.)</p>

**US ROCKIES REGION
Operation Summary Report**

Well: BONANZA 1023-6G4CS YELLOW

Spud Date: 12/30/2011

Project: UTAH-UINTAH

Site: BONANZA 1023-6F PAD

Rig Name No: SWABBCO 6/6, SWABBCO 6/6

Event: COMPLETION

Start Date: 5/8/2012

End Date: 5/8/2012

Active Datum: RKB @5,138.01ft (above Mean Sea Level)

UWI: SE/NW/0/10/S/23/E/6/0/0/26/PM/N/1874/W/0/2053/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
4/25/2012	7:30 - 18:00	10.50	COMP	36	B	P		<p>PERF STG 6)PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 120 DEG PHASING. RIH SET CBP @ 7047' P/U PERF AS PER DESIGN. POOH. X-OVER FOR FRAC CREW.</p> <p>FRAC STG 6)WHP 215 PSI, BRK 3025 PSI @ 5.4 BPM. ISIP 1312 PSI, FG .63. CALC PERFS OPEN @ 58.2 BPM @ 4319 PSI = 100% HOLES OPEN. (24/24 HOLES OPEN) ISIP 2008 PSI, FG .73, NPI 696 PSI. MP 5047 PSI, MR 58.8 BPM, AP 4224 PSI, AR 58.3 BPM, PUMPED 30/50 OWATTA SAND. SWI, X-OVER FOR WL.</p> <p>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 @ 6456' P/U PERF AS PER DESIGN. POOH. X-OVER FOR FRAC CREW.</p> <p>FRAC STG 7)WHP 161 PSI, BRK 2361 PSI @ 5.3 BPM. ISIP 692 PSI, FG .55. CALC PERFS OPEN @ 58 BPM @ 4074 PSI = 85% HOLES OPEN. (21/24 HOLES OPEN) ISIP 2101 PSI, FG .77, NPI 1409 PSI. MP 4133 PSI, MR 58.5 BPM, AP 3984 PSI, AR 58.0 BPM, PUMPED 30/50 OWATTA SAND. SWI, X-OVER FOR WL.</p> <p>PERF STG 8)PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 120 DEG PHASING. RIH SET CBP @ 6163' P/U PERF AS PER DESIGN. POOH. X-OVER FOR WL.</p> <p>FRAC STG 8) WHP 130 PSI, BRK 1118 PSI @ 2 BPM. ISIP 136 PSI, FG .46. DID NOT FRAC DUE TO LOW F.G.</p> <p>DID NOT PERF OR FRAC STG 9.</p> <p>DID NOT SET KILL PLUG IN THIS WELL.</p> <p>TOTAL SAND = 170,376 LBS TOTAL CLFL = 7315 BBL JSA= TEST BOPS</p>
5/8/2012	7:00 - 7:15	0.25	COMP	48		P		

**US ROCKIES REGION
Operation Summary Report**

Well: BONANZA 1023-6G4CS YELLOW

Spud Date: 12/30/2011

Project: UTAH-UINTAH

Site: BONANZA 1023-6F PAD

Rig Name No: SWABBCO 6/6, SWABBCO 6/6

Event: COMPLETION

Start Date: 5/8/2012

End Date: 5/8/2012

Active Datum: RKB @5,138.01ft (above Mean Sea Level)

UWI: SE/NW/0/10/S/23/E/6/0/0/26/PM/N/1874/W/0/2053/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:15 - 17:00	9.75	COMP	30		P		<p>PU 3-7/8" BIT & POBS PKG TALLY & PU TUBING TAG 1ST PLUG @ 6158' EST CIRC TEST BOPS TO 3000' DRILL 1ST PLUG</p> <p>PLUG #1] DRILL THRU HALLI CBP @ 6169' IN 9 MIN W/ 0 INCREASE</p> <p>PLUG #2] CONTINUE TO RIH TAG SAND @ 6427' (25' FILL) C/O & DRILL THRU HALLI 8K CBP @ 6159' IN 7 MIN W/ 50# INCREASE</p> <p>PLUG #3] CONTINUE TO RIH TAG SAND @ 7027' (20' FILL) C/O & DRILL THRU HALLI 8K CBP @ 7047' IN 10 MIN W/ 100# INCREASE</p> <p>PLUG #4] CONTINUE TO RIH TAG SAND @ 7465' (20' FILL) C/O & DRILL THRU HALLI 8K CBP @ 7485' IN 9 MIN W/ 50# INCREASE</p> <p>PLUG #5] CONTINUE TO RIH TAG SAND @ 7714' (20' FILL) C/O & DRILL THRU HALLI 8K CBP @ 7734' IN 8 MIN W/ 0 INCREASE</p> <p>PLUG # 6] CONTINUE TO RIH TAG SAND @ 7957' (40' FILL) C/O & DRILL THRU HALLI 8K CBP @ 7997' IN 6 MIN W/ 100# INCREASE</p> <p>PLUG #7] CONTINUE TO RIH TAG SAND @ 8254' (20' FILL) C/O & DRILL THRU HALLI 8K CBP @ 8274' IN 10 MIN W/ 50# INCREASE</p> <p>PBTD] CONTINUE TO RIH TAG SAND @ 8582' (45' FILL) C/O & DRILL TO PBTD @ 8627' CIRC CLEAN 500 PSI FLOWING ON WELL, PUH LD 20 JNTS LAND TUBING ON HNGR W/ 252 JNTS EOT @ 7999.91' RD DRILLING EQUIP RD FLOOR & TUBING EQUIP ND BOPS NU WELLHEAD DROP BALL PUMP OFF BIT @ 1700 PSI SIW NU & TEST FLOW LINE TURN WELL OVER TO FBC</p> <p>TUBING DETAIL K.B.....15.00' HANGER......83 252 JNTS 2-3/8" L-80.....7981.88' POBS......2.20' EOT.....7999.91'</p> <p>TOTAL FLUID PUMPED= 7315 BBLS RIG REC= 2000 BBLS LEFT TO REC= 4218 BBLS</p> <p>CTAP DEL= 283 JNTS USED= 252 JNTS RETURNED= 31 JNTS</p>

**US ROCKIES REGION
Operation Summary Report**

Well: BONANZA 1023-6G4CS YELLOW		Spud Date: 12/30/2011	
Project: UTAH-UINTAH		Site: BONANZA 1023-6F PAD	Rig Name No: SWABBCO 6/6, SWABBCO 6/6
Event: COMPLETION		Start Date: 5/8/2012	End Date: 5/8/2012
Active Datum: RKB @5,138.01ft (above Mean Sea Level)		UWI: SE/NW/0/10/S/23/E/6/0/0/26/PM/N/1874/W/0/2053/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	16:15 - 17:00	0.75	COMP	50				WELL TURNED TO SALES @ 16:15 HR ON 5/8/2012-625 MCFD, 1680 BWPD, FCP 1550#, FTP 1380#, 20/64"
5/9/2012	-							
5/12/2012	7:00 -			50				WELL IP'D ON 5/12/12 - 1125 MCFD, 0 BOPD, 550 BWPD, CP 1744#, FTP 1109#, CK 20/64, LP 123#, 24 HRS

1 General

1.1 Customer Information

Company	US ROCKIES REGION
Representative	
Address	

1.2 Well Information

Well	BONANZA 1023-6G4CS YELLOW	Wellbore No.	OH
Well Name	BONANZA 1023-6G4CS	Common Name	BONANZA 1023-6G4CS
Project	UTAH-UINTAH	Site	BONANZA 1023-6F PAD
Vertical Section Azimuth	116.17 (°)	North Reference	True
Origin N/S		Origin E/W	
Spud Date	12/30/2011	UWI	SE/NW/0/10/S/23/E/6/0/0/26/PM/N/1874/NW/0/205 3/0/0
Active Datum	RKB @5,138.01ft (above Mean Sea Level)		

2 Survey Name

2.1 Survey Name: Survey #1

Survey Name	Survey #1	Company	Anadarko Petroleum Corp
Started	12/29/2011	Ended	
Tool Name	EM	Engineer	Anadarko Employee

2.1.1 Tie On Point

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)
11.00	0.00	0.00	11.00	0.00	0.00

2.1.2 Survey Stations

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	TFace (°)
12/29/2011	Tie On	11.00	0.00	0.00	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12/30/2011	NORMAL	189.00	0.30	69.50	189.00	0.16	0.44	0.32	0.17	0.17	0.00	69.50
	NORMAL	275.00	1.31	110.96	274.99	-0.11	1.57	1.45	1.28	1.17	48.21	51.83
	NORMAL	356.00	2.52	115.14	355.94	-1.20	4.04	4.16	1.50	1.49	5.16	8.68
	NORMAL	446.00	3.80	107.70	445.81	-2.94	8.67	9.08	1.49	1.42	-8.27	-21.50
	NORMAL	536.00	5.19	114.46	535.53	-5.54	15.22	16.10	1.65	1.54	7.51	24.26
	NORMAL	626.00	6.50	111.48	625.06	-9.09	23.67	25.25	1.49	1.46	-3.31	-14.53
	NORMAL	716.00	8.01	115.21	714.34	-13.62	34.08	36.60	1.76	1.68	4.14	19.18
	NORMAL	806.00	9.46	113.64	803.29	-19.26	46.53	50.26	1.63	1.61	-1.74	-10.11
	NORMAL	896.00	10.40	113.30	891.94	-25.44	60.77	65.76	1.05	1.04	-0.38	-3.74
	NORMAL	986.00	12.08	113.30	980.21	-32.38	76.88	83.28	1.87	1.87	0.00	0.00
	NORMAL	1,076.00	13.82	118.18	1,067.92	-41.18	95.01	103.43	2.28	1.93	5.42	34.54
	NORMAL	1,166.00	16.01	118.16	1,154.88	-52.12	115.43	126.58	2.43	2.43	-0.02	-0.14
	NORMAL	1,256.00	18.41	119.26	1,240.85	-64.92	138.77	153.18	2.69	2.67	1.22	8.25
	NORMAL	1,346.00	20.24	117.40	1,325.78	-79.03	164.99	182.94	2.15	2.03	-2.07	-19.47
	NORMAL	1,436.00	20.79	115.24	1,410.07	-93.01	193.26	214.47	1.04	0.61	-2.40	-55.01
	NORMAL	1,526.00	20.97	113.65	1,494.16	-106.28	222.46	246.53	0.66	0.20	-1.77	-73.12
	NORMAL	1,616.00	21.02	116.12	1,578.19	-119.85	251.71	278.76	0.98	0.06	2.74	87.92
	NORMAL	1,706.00	20.28	115.02	1,662.40	-133.55	280.33	310.50	0.93	-0.82	-1.22	-152.85

2.1.2 Survey Stations (Continued)

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	EW (ft)	V. Sec (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	TFace (°)
12/30/2011	NORMAL	1,796.00	19.59	112.75	1,747.01	-145.98	308.38	341.15	1.15	-0.77	-2.52	-132.78
	NORMAL	1,886.00	20.02	110.59	1,831.69	-157.24	336.72	371.55	0.94	0.48	-2.40	-60.58
12/31/2011	NORMAL	1,976.00	20.29	111.30	1,916.18	-168.32	365.68	402.43	0.40	0.30	0.79	42.51
	NORMAL	2,066.00	18.96	117.67	2,000.96	-180.78	393.17	432.60	2.80	-1.48	7.08	124.84
	NORMAL	2,156.00	19.51	116.09	2,085.93	-194.18	419.62	462.24	0.84	0.61	-1.76	-44.17
	NORMAL	2,246.00	18.88	116.56	2,170.93	-207.30	446.14	491.83	0.72	-0.70	0.52	166.44
	NORMAL	2,336.00	18.41	115.48	2,256.21	-219.93	472.00	520.61	0.65	-0.52	-1.20	-144.21
	NORMAL	2,396.00	18.70	115.64	2,313.09	-228.16	489.22	539.70	0.49	0.48	0.27	10.03

2.2 Survey Name: Survey #2

Survey Name	Survey #2	Company	NATIVE NAVIGATION
Started	2/21/2012	Ended	
Tool Name	EM	Engineer	Anadarko Employee

2.2.1 Tie On Point

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	EW (ft)
2,396.00	18.70	115.64	2,313.08	-228.21	489.20

2.2.2 Survey Stations

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	EW (ft)	V. Sec (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	TFace (°)
2/21/2012	Tie On	2,396.00	18.70	115.64	2,313.08	-228.21	489.20	539.70	0.00	0.00	0.00	0.00
2/21/2012	NORMAL	2,447.00	19.16	117.39	2,361.33	-235.60	504.00	556.24	1.43	0.90	3.43	51.81
	NORMAL	2,537.01	19.78	117.30	2,446.18	-249.38	530.65	586.24	0.69	0.69	-0.10	-2.81
	NORMAL	2,628.01	17.75	115.10	2,532.34	-262.33	556.90	615.50	2.36	-2.23	-2.42	-161.82
	NORMAL	2,719.01	17.67	114.40	2,619.03	-273.92	582.04	643.18	0.25	-0.09	-0.77	-110.92
	NORMAL	2,810.01	17.84	117.03	2,705.69	-285.96	607.03	670.92	0.90	0.19	2.89	79.29
	NORMAL	2,900.01	18.28	117.83	2,791.26	-298.81	631.79	698.81	0.56	0.49	0.89	29.79
	NORMAL	2,991.01	18.68	120.99	2,877.57	-312.98	656.91	727.60	1.19	0.44	3.47	69.73
	NORMAL	3,082.01	17.80	116.95	2,964.00	-326.78	681.80	756.03	1.69	-0.97	-4.44	-126.74
	NORMAL	3,173.01	15.95	116.24	3,051.08	-338.62	705.42	782.45	2.05	-2.03	-0.78	-173.98
	NORMAL	3,264.01	16.48	119.32	3,138.46	-350.47	727.88	807.84	1.11	0.58	3.38	59.84
	NORMAL	3,354.01	19.20	118.88	3,224.12	-363.87	751.98	835.37	3.03	3.02	-0.49	-3.05
	NORMAL	3,445.01	16.70	111.32	3,310.70	-375.85	777.27	863.35	3.75	-2.75	-8.31	-140.57
	NORMAL	3,536.01	14.59	109.91	3,398.32	-384.51	800.23	887.78	2.36	-2.32	-1.55	-170.46
NORMAL	3,627.01	14.81	112.46	3,486.35	-392.86	821.75	910.78	0.75	0.24	2.80	72.46	
2/22/2012	NORMAL	3,718.01	13.75	114.05	3,574.53	-401.71	842.38	933.19	1.24	-1.16	1.75	160.46
	NORMAL	3,808.01	13.01	112.82	3,662.09	-410.00	861.48	953.99	0.88	-0.82	-1.37	-159.56
	NORMAL	3,899.01	12.88	109.74	3,750.78	-417.39	880.47	974.30	0.77	-0.14	-3.38	-102.17
	NORMAL	3,990.01	15.75	112.64	3,838.95	-425.58	901.42	996.71	3.25	3.15	3.19	15.44
	NORMAL	4,081.01	16.92	114.49	3,926.27	-435.82	924.87	1,022.27	1.41	1.29	2.03	24.87
	NORMAL	4,171.01	16.78	115.98	4,012.41	-446.94	948.47	1,048.36	0.50	-0.16	1.66	108.67
	NORMAL	4,262.01	13.54	113.87	4,100.23	-457.01	970.02	1,072.14	3.61	-3.56	-2.32	-171.35
	NORMAL	4,353.01	15.12	115.10	4,188.40	-466.35	990.51	1,094.65	1.77	1.74	1.35	11.50
	NORMAL	4,444.01	18.10	116.15	4,275.59	-477.62	1,013.96	1,120.66	3.29	3.27	1.15	6.26
	NORMAL	4,534.01	18.59	119.93	4,361.02	-490.94	1,038.94	1,148.96	1.43	0.54	4.20	69.42
	NORMAL	4,625.01	19.34	120.81	4,447.08	-505.90	1,064.45	1,178.45	0.88	0.82	0.97	21.29
	NORMAL	4,716.01	16.74	121.52	4,533.60	-520.47	1,088.57	1,206.52	2.87	-2.86	0.78	175.50
	NORMAL	4,806.01	18.30	120.20	4,619.42	-534.35	1,111.83	1,233.53	1.79	1.73	-1.47	-14.92
NORMAL	4,897.01	19.25	121.52	4,705.58	-549.38	1,136.97	1,262.71	1.14	1.04	1.45	24.72	
NORMAL	4,988.01	18.54	122.22	4,791.68	-564.94	1,162.00	1,292.04	0.82	-0.78	0.77	162.62	
NORMAL	5,079.01	16.66	122.75	4,878.41	-579.71	1,185.21	1,319.38	2.07	-2.07	0.58	175.38	

2.2.2 Survey Stations (Continued)

Date	Type	MD (ft)	Inç (°)	Azi (°)	TVD (ft)	N/S (ft)	EW (ft)	V. Sec (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	TFace (°)
2/22/2012	NORMAL	5,169.01	14.77	124.68	4,965.05	-593.22	1,205.49	1,343.55	2.18	-2.10	2.14	165.47
	NORMAL	5,260.01	13.40	121.25	5,053.31	-605.29	1,224.05	1,365.53	1.76	-1.51	-3.77	-150.30
	NORMAL	5,351.01	9.18	126.35	5,142.53	-615.07	1,238.92	1,383.18	4.76	-4.64	5.60	169.18
	NORMAL	5,441.01	5.05	147.00	5,231.83	-622.65	1,246.86	1,393.66	5.33	-4.59	22.94	158.20
	NORMAL	5,532.01	1.97	180.23	5,322.66	-627.57	1,249.04	1,397.78	3.92	-3.38	36.52	162.38
	NORMAL	5,623.01	2.37	271.46	5,413.61	-629.09	1,247.15	1,396.76	3.42	0.44	100.25	130.44
	NORMAL	5,714.01	2.46	287.98	5,504.53	-628.44	1,243.41	1,393.11	0.77	0.10	18.15	90.94
	NORMAL	5,804.01	2.55	305.47	5,594.45	-626.68	1,239.94	1,389.23	0.85	0.10	19.43	92.07
2/23/2012	NORMAL	5,895.01	2.29	297.47	5,685.37	-624.67	1,236.68	1,385.41	0.47	-0.29	-8.79	-131.54
	NORMAL	5,986.01	2.42	311.01	5,776.29	-622.57	1,233.62	1,381.74	0.63	0.14	14.88	83.67
	NORMAL	6,077.01	2.11	324.63	5,867.22	-619.94	1,231.20	1,378.41	0.68	-0.34	14.97	126.63
	NORMAL	6,167.01	2.77	340.80	5,957.14	-616.54	1,229.53	1,375.40	1.05	0.73	17.97	54.48
	NORMAL	6,258.01	2.29	352.76	6,048.05	-612.66	1,228.57	1,372.83	0.78	-0.53	13.14	138.15
	NORMAL	6,349.01	2.59	353.55	6,138.97	-608.81	1,228.11	1,370.73	0.33	0.33	0.87	6.79
	NORMAL	6,349.01	2.59	353.55	6,138.97	-608.81	1,228.11	1,370.73	0.00	0.00	0.00	0.00
	NORMAL	6,440.01	2.90	349.24	6,229.87	-604.50	1,227.45	1,368.23	0.41	0.34	-4.74	-35.82
	NORMAL	6,530.01	2.20	353.20	6,319.78	-600.55	1,226.82	1,365.93	0.80	-0.78	4.40	167.85
	NORMAL	6,621.01	2.24	352.58	6,410.71	-597.06	1,226.39	1,363.99	0.05	0.04	-0.68	-31.29
	NORMAL	6,712.01	2.11	356.89	6,501.64	-593.62	1,226.07	1,362.19	0.23	-0.14	4.74	130.62
	NORMAL	6,803.01	0.44	29.85	6,592.62	-591.64	1,226.15	1,361.39	1.93	-1.84	36.22	172.17
	NORMAL	6,894.01	0.70	145.42	6,683.62	-591.80	1,226.64	1,361.90	1.07	0.29	127.00	139.61
	NORMAL	6,984.01	0.57	134.61	6,773.61	-592.56	1,227.27	1,362.80	0.20	-0.14	-12.01	-142.66
	NORMAL	7,075.01	1.01	140.33	6,864.60	-593.50	1,228.10	1,363.96	0.49	0.48	6.29	13.03
	NORMAL	7,166.01	1.05	110.88	6,955.59	-594.41	1,229.39	1,365.53	0.58	0.04	-32.36	-100.50
	NORMAL	7,257.01	0.40	129.69	7,046.58	-594.91	1,230.42	1,366.67	0.75	-0.71	20.67	169.13
	NORMAL	7,347.01	0.92	119.41	7,136.58	-595.47	1,231.29	1,367.69	0.59	0.58	-11.42	-18.00
	NORMAL	7,438.02	0.75	147.71	7,227.57	-596.33	1,232.24	1,368.93	0.48	-0.19	31.10	126.14
	NORMAL	7,529.02	1.14	164.67	7,318.55	-597.71	1,232.80	1,370.04	0.52	0.43	18.64	44.33
	NORMAL	7,620.02	1.23	157.64	7,409.54	-599.48	1,233.41	1,371.37	0.19	0.10	-7.73	-61.79
	NORMAL	7,710.02	1.71	148.76	7,499.51	-601.53	1,234.48	1,373.22	0.59	0.53	-9.87	-29.87
NORMAL	7,801.02	1.54	142.79	7,590.47	-603.66	1,235.92	1,375.46	0.26	-0.19	-6.56	-138.08	
NORMAL	7,892.02	2.29	141.47	7,681.42	-606.06	1,237.79	1,378.20	0.83	0.82	-1.45	-4.03	
2/24/2012	NORMAL	7,983.02	2.24	136.55	7,772.35	-608.77	1,240.15	1,381.51	0.22	-0.05	-5.41	-106.87
	NORMAL	8,076.02	2.11	102.10	7,865.28	-610.45	1,243.07	1,384.87	1.39	-0.14	-37.04	-112.72
	NORMAL	8,164.02	2.60	122.48	7,953.21	-611.86	1,246.34	1,388.43	1.09	0.56	23.16	70.11
	NORMAL	8,255.02	2.64	108.25	8,044.12	-613.63	1,250.07	1,392.56	0.71	0.04	-15.64	-93.61
	NORMAL	8,346.02	1.76	102.80	8,135.05	-614.59	1,253.42	1,395.99	0.99	-0.97	-5.99	-169.34
	NORMAL	8,437.02	1.54	111.58	8,226.01	-615.35	1,255.92	1,398.57	0.37	-0.24	9.65	135.36
	NORMAL	8,528.02	1.89	120.11	8,316.97	-616.55	1,258.36	1,401.29	0.48	0.38	9.37	40.42
	NORMAL	8,638.02	2.46	125.56	8,426.89	-618.84	1,261.85	1,405.42	0.55	0.52	4.95	22.68
NORMAL	8,688.02	2.46	125.56	8,476.85	-620.08	1,263.59	1,407.54	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) 929-6304

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
Various	Ponderosa Wells						UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
	18421	18519				5/1/2012	
Comments: Move the attached wells into the Ponderosa unit. All wells are WSMVD.						11/16/2012	

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)

JAIME SCHARNOWSKE

Name (Please Print)

Jaime Scharnowske

Signature

REGULATORY ANALYST

11/8/2012

Title

Date

RECEIVED

NOV 08 2012

Well Name	Quarter/Quarter	Section	Township	Range	APUI Number	County	New Entity Number	Formation
BONANZA 1023-6J2AS	NESW	6	10S	23E	4304751465	Uintah	18519	WSMVD
BONANZA 1023-6K1CS	NESW	6	10S	23E	4304751466	Uintah	18519	WSMVD
BONANZA 1023-6K2BS	NESW	6	10S	23E	4304751467	Uintah	18519	WSMVD
BONANZA 1023-6K2CS	NESW	6	10S	23E	4304751468	Uintah	18519	WSMVD
BONANZA 1023-6L2AS	NESW	6	10S	23E	4304751469	Uintah	18519	WSMVD
BONANZA 1023-6L2DS	NESW	6	10S	23E	4304751470	Uintah	18519	WSMVD
BONANZA 1023-6O1BS	SWSE	6	10S	23E	4304751473	Uintah	18519	WSMVD
BONANZA 1023-6O2DS	SWSE	6	10S	23E	4304751474	Uintah	18519	WSMVD
BONANZA 1023-6O3AS	SWSE	6	10S	23E	4304751475	Uintah	18519	WSMVD
BONANZA 1023-6P2BS	SWSE	6	10S	23E	4304751476	Uintah	18519	WSMVD
BONANZA 1023-6P3CS	SWSE	6	10S	23E	4304751478	Uintah	18519	WSMVD
BONANZA 1023-5J2DS	NESW	5	10S	23E	4304752063	Uintah	18519	WSMVD
BONANZA 1023-5K1BS	NESW	5	10S	23E	4304752064	Uintah	18519	WSMVD
BONANZA 1023-5K1CS	NESW	5	10S	23E	4304752065	Uintah	18519	WSMVD
BONANZA 1023-5K3DS	NESW	5	10S	23E	4304752066	Uintah	18519	WSMVD
BONANZA 1023-5L1DS	NESW	5	10S	23E	4304752067	Uintah	18519	WSMVD
BONANZA 1023-5L4AS	NESW	5	10S	23E	4304752068	Uintah	18519	WSMVD
BONANZA 1023-5L4DS	NESW	5	10S	23E	4304752069	Uintah	18519	WSMVD
BONANZA 1023-5O2AS	NESW	5	10S	23E	4304752070	Uintah	18519	WSMVD
BONANZA 1023-5E3BS	SWNW	5	10S	23E	4304752071	Uintah	18519	WSMVD
BONANZA 1023-5E3CS	SWNW	5	10S	23E	4304752072	Uintah	18519	WSMVD
BONANZA 1023-5L1AS	SWNW	5	10S	23E	4304752073	Uintah	18519	WSMVD
BONANZA 1023-5L3BS	SWNW	5	10S	23E	4304752074	Uintah	18519	WSMVD
BONANZA 1023-5M1AS	SWSW	5	10S	23E	4304752075	Uintah	18519	WSMVD
BONANZA 1023-5M1CS	SWSW	5	10S	23E	4304752076	Uintah	18519	WSMVD
BONANZA 1023-5M3BS	SWSW	5	10S	23E	4304752077	Uintah	18519	WSMVD
BONANZA 1023-5M3CS	SWSW	5	10S	23E	4304752078	Uintah	18519	WSMVD
BONANZA 1023-5N3CS	SWSW	5	10S	23E	4304752079	Uintah	18519	WSMVD
BONANZA 1023-5O4BS	SESE	5	10S	23E	4304752082	Uintah	18519	WSMVD
BONANZA 1023-5P1AS	SESE	5	10S	23E	4304752083	Uintah	18519	WSMVD
BONANZA 1023-5P1CS	SESE	5	10S	23E	4304752084	Uintah	18519	WSMVD
BONANZA 1023-5P4CS	SESE	5	10S	23E	4304752085	Uintah	18519	WSMVD
BONANZA 1023-5C4AS	NENW	5	10S	23E	4304752089	Uintah	18519	WSMVD
BONANZA 1023-5F2CS	NENW	5	10S	23E	4304752090	Uintah	18519	WSMVD
BONANZA 1023-5F3AS	NENW	5	10S	23E	4304752091	Uintah	18519	WSMVD
BONANZA 1023-5C2CS	NWNW	5	10S	23E	4304752092	Uintah	18519	WSMVD
BONANZA 1023-5D2DS	NWNW	5	10S	23E	4304752093	Uintah	18519	WSMVD
BONANZA 1023-5D3AS	NWNW	5	10S	23E	4304752094	Uintah	18519	WSMVD
BONANZA 1023-5E2AS	NWNW	5	10S	23E	4304752095	Uintah	18519	WSMVD
BONANZA 1023-6A1CS	NWNW	5	10S	23E	4304752096	Uintah	18519	WSMVD
BONANZA 1023-6I3AS	SWNW	5	10S	23E	4304752387	Uintah	18519	WSMVD
BONANZA 11-2	SWNW	11	10S	23E	4304734773	Uintah	18519	WSMVD
BONANZA 1023-6E4AS	SENE	6	10S	23E	4304751453	Uintah	18519	WSMVD
BONANZA 1023-6F1AS	SENE	6	10S	23E	4304751454	Uintah	18519	WSMVD
BONANZA 1023-6F1CS	SENE	6	10S	23E	4304751455	Uintah	18519	WSMVD
BONANZA 1023-6F4CS	SENE	6	10S	23E	4304751456	Uintah	18519	WSMVD
BONANZA 1023-6G2AS	SENE	6	10S	23E	4304751457	Uintah	18519	WSMVD
BONANZA 1023-6G4CS	SENE	6	10S	23E	4304751458	Uintah	18519	WSMVD
BONANZA 1023-6A3DS	SENE	6	10S	23E	4304751459	Uintah	18519	WSMVD
BONANZA 1023-6G1DS	SENE	6	10S	23E	4304751460	Uintah	18519	WSMVD
BONANZA 1023-6H1BS	SENE	6	10S	23E	4304751461	Uintah	18519	WSMVD
BONANZA 1023-6H2CS	SENE	6	10S	23E	4304751462	Uintah	18519	WSMVD
BONANZA 1023-6I2AS	SENE	6	10S	23E	4304751463	Uintah	18519	WSMVD
BONANZA 1023-6I3DS	SWSE	6	10S	23E	4304751471	Uintah	18519	WSMVD
BONANZA 1023-6J4AS	SWSE	6	10S	23E	4304751472	Uintah	18519	WSMVD
BONANZA 1023-6P3AS	SWSE	6	10S	23E	4304751477	Uintah	18519	WSMVD

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU38419
SUNDRY NOTICES AND REPORTS ON WELLS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		7. UNIT or CA AGREEMENT NAME: PONDEROSA
1. TYPE OF WELL Gas Well		8. WELL NAME and NUMBER: BONANZA 1023-6G4CS
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		9. API NUMBER: 43047514580000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6514	9. FIELD and POOL or WILDCAT: SANTRAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1874 FNL 2053 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 06 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	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 1/6/2014 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input checked="" type="checkbox"/> OTHER	
	OTHER: <input type="text" value="Production Enhancement"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>The Operator conducted the following workover/wellbore cleanout on the subject well on 01/06/2014. Please see attached chronological well history for details. Thank you!</p>		
<p>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY January 23, 2014</p>		
NAME (PLEASE PRINT) Kay E. Kelly	PHONE NUMBER 720 929 6582	TITLE Regulatory Analyst
SIGNATURE N/A		DATE 1/23/2014

**US ROCKIES REGION
Operation Summary Report**

Well: BONANZA 1023-6G4CS YELLOW			Spud Date: 12/30/2011		
Project: UTAH-UINTAH		Site: BONANZA 1023-6F PAD		Rig Name No:	
Event: WELL WORK EXPENSE		Start Date: 1/6/2014		End Date: 1/6/2014	
Active Datum: RKB @5,138.01ft (above Mean Sea Level)			UWI: SE/NW/0/10/S/23/E/6/0/0/26/PM/N/1874/W/0/2053/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
1/6/2014	7:00 - 11:00	4.00	MAINT	35				SLICKLINE REPORT SERVICE RECORD WELL NAME:Bonanza 1023-6G 4CSJob Code:80012176 WINS #:ZID:CTS953 FOREMAN:V1-Ryan KunkelMECHANICAL:Ron Allred SLICKLINE COMPANYJDM SLICKLINE OPERATORBj TroendleTEL.NUMBER:435-828-0596 DATE:1/6/2014Ex. mm/dd/yy JOB DESCRIPTION Rih w scratcher 8600 no ts, sn clean, dropped 3 chemical sticks, rih w broach 8012 no ts, dropped Pcs standard and chased to 8011, No plunger in well, turned well back to sales FLUID LEVEL2150SEAT NIPPLE DEPTH8012 SN TYPEXTD (Max Depth)8600 JOB DETAILS SPRING AND/OR PRODUCTION TOOL DETAIL Spring OutNoneSpring InNew-Standard Stuck SpringDrop Down MenuCorrosion on SpringDrop Down Menu Bailed AcidDrop Down Menu Broken SpringDrop Down MenuScale on SpringDrop Down Menu Production ToolsDrop Down MenuDepth of Tool Other HardwareDrop Down Menu PLUNGER DETAIL Stuck PlungerDrop Down MenuCorrosion on PlungerDrop Down Menu Broken PlungerDrop Down MenuScale on PlungerDrop Down Menu SOLIDS DETAIL Tight SpotsNoneSeverity of TrashNone Solid sample to turn inDrop Down MenuSolid Sample SourceDrop Down Menu Speculated Type of SolidDrop Down MenuSpeculated Depth of Solid LOST SLICKLINE TOOLS Slickline Tools LostNoDepth of Tool JOB CHARGES ITEM# UNITSUNITS\$/UNITTOTAL Hourly Operating Charge4HRS\$125.00\$500.00 Tool Rental0HRS\$0.00\$0.00 Maintenance job charge0JOB\$0.00\$0.00 \$0.00 TOTAL\$500.00
1/7/2014	7:00 - 19:00	12.00	MAINT	42				COLBY, FLUID LEVEL 3500. 8 RUNS = 72 BBLs.

US ROCKIES REGION
Operation Summary Report

Well: BONANZA 1023-6G4CS YELLOW

Spud Date: 12/30/2011

Project: UTAH-UINTAH

Site: BONANZA 1023-6F PAD

Rig Name No:

Event: WELL WORK EXPENSE

Start Date: 1/6/2014

End Date: 1/6/2014

Active Datum: RKB @5,138.01ft (above Mean Sea Level)

UWI: SE/NW/0/10/S/23/E/6/0/0/26/PM/N/1874/W/0/2053/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
1/8/2014	7:00 - 18:30	11.50	MAINT	42				COLBY, FLUID LEVEL 3300. MADE 8 RUNS = 88 BBLS.
1/9/2014	7:00 - 19:00	12.00	MAINT	42				COLBY, FLUID LEVEL 3100. MADE 7 RUNS = 56 BBLS.
1/10/2014	7:00 - 15:00	8.00	MAINT	42				TOM, FLUID LEVEL 3500. MADE 5 RUNS = 57 BBLS. 700ARRIVED AT BONANZA1023-6C MOVED TO BONANZA1023-6G4CS 830361048123ARRIVED TO LOCATION BLEW TBG DOWN 845125004000150039510860TUBING BLEW DEAD AFTER RUN 920230004700170043611000TUBING BLEW DEAD AFTER RUN 10453300047001700476104530WELL BEGIN BLOWING AFTER RUN 1100505104530BLEW WELL TO TANK TO CLEAN UP 1130534104035BLEW WELL TO TANK TO CLEAN UP 1200576104040BLEW WELL TO TANK TO CLEAN UP 1230605100050BLEW WELL TO TANK TO CLEAN UP 100635945120RETURNED TO SALES AFTER DROPPING 115654NEW PLUNGER 2006621020390PLUNGER DID NOT TRIPP 215435005000150069410670TUBING BLEW DEAD AFTER RUN 245535005000150072411000TUBING BLEW DEAD AFTER RUN 300WAS CONTACTED BY KERR-MCGEE 57PERSONELL SHUT DOWN FOR DAY

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-6G4CS YELLOW

Spud Date: 12/30/2011

Project: UTAH-UINTAH

Site: BONANZA 1023-6F PAD

Rig Name No:

Event: WELL WORK EXPENSE

Start Date: 1/6/2014

End Date: 1/6/2014

Active Datum: RKB @5,138.01ft (above Mean Sea Level)

UWI: SE/NW/0/10/S/23/E/6/0/0/26/PM/N/1874/W/0/2053/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
1/13/2014	7:00 - 15:00	8.00	MAINT	42				<p>TOM, FLUID LEVEL 3000. 2 RUNS = 68 BBLS. 70024968200ARRIVED TO LOCATION BLEW TBG DOWN 730128004400150027410000WELL BLEW DEAD AFTER RUN 8002300045001500304102227WELL BEGIN BLOWING AFTER RUN 830323102025BLEW WELL TO TANK TO CLEAN UP 900378100020BLEW WELL TO TANK TO CLEAN UP 930405100025BLEW WELL TO TANK TO CLEAN UP 100042399825BLEW WELL TO TANK TO CLEAN UP 1030443101030BLEW WELL TO TANK TO CLEAN UP 110047499037BLEW WELL TO TANK TO CLEAN UP 1130493100035BLEW WELL TO TANK TO CLEAN UP 120052598740BLEW WELL TO TANK TO CLEAN UP 123054399540BLEW WELL TO TANK TO CLEAN UP 100586100037BLEW WELL TO TANK TO CLEAN UP 13060392345BLEW WELL TO TANK TO CLEAN UP 200646900123BLEW WELL TO TANK TO CLEAN UP 230674100045BLEW WELL TO TANK TO CLEAN UP 300704934113RETURNED TO SALES SHUT DOWN FOR DAY</p>
								68

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: UTU38419
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME: PONDEROSA
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: BONANZA 1023-6G4CS
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1874 FNL 2053 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 06 Township: 10.0S Range: 23.0E Meridian: S		9. API NUMBER: 43047514580000
PHONE NUMBER: 720 929-6111		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input checked="" type="checkbox"/> OTHER	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 1/3/2014	<input type="checkbox"/> APD EXTENSION OTHER: PRODUCTION ENHANCEMENT	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> DRILLING REPORT Report Date:	
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 1/3/2014. PLEASE SEE THE ATTACHED CHRONOLOGICAL WELL HISTORY FOR DETAILS. THANK YOU.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY March 20, 2014		
NAME (PLEASE PRINT) Teena Paulo	PHONE NUMBER 720 929-6236	TITLE Staff Regulatory Specialist
SIGNATURE N/A	DATE 3/19/2014	

US ROCKIES REGION
Operation Summary Report

Well: BONANZA 1023-6G4CS YELLOW		Spud Date: 12/30/2011	
Project: UTAH-UINTAH		Site: BONANZA 1023-6F PAD	Rig Name No:
Event: WELL WORK EXPENSE		Start Date: 1/2/2014	End Date: 1/3/2014
Active Datum: RKB @5,138.00usft (above Mean Sea Level)		UWI: SE/NW/0/10/S/23/E/6/0/0/26/PM/N/1874/W/0/2053/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
1/2/2014	7:00 - 8:30	1.50	MIRU	30	A	P		ROAD RIG F/ BONANZA 1023-5N4AS TO BONANZA 1023-6G4CS
	8:30 - 8:45	0.25	MAINT	48		P		HSM, RU, SCAN TBG.
	8:45 - 10:30	1.75	MIRU	30	A	P		MIRU.
	10:30 - 12:30	2.00	MAINT	31	I	P		SICP. 730 PSI. SITP. 730 PSI. BLEW TBG DWN, CONTROL TBG W/ 20 BBLS, ND WH, NU BOP'S, RU FLOOR & TBG EQUIPMENT, UNLAND TBG HANGER, PU & RIH 20 JTS. TBG F/ TRAILER, TAG FILL @ 8624' PBD, BTM PERF @ 8512'(112' RAT HOLE) POOH 20 JTS.
	12:30 - 17:00	4.50	MAINT	45	A	P		RU SCAN TECH, POOH & SCAN 252 JTS. 2-3/8" L-80 TBG, LD 55 BAD JTS. DUE TO INTERNAL PITTING W/ MED EXTERNAL SCALE, FOUND PLUNGER & BUMPER STRING STUCK IN JNT # 231@ 7316', RD SCAN TECH, SWI, SDFN.
1/3/2014	7:00 - 7:15	0.25	MAINT	48		P		HSM, REVIEW PU TBG F/ TRAILER, SLIPPERY
	7:15 - 15:00	7.75	MAINT	31	I			SICP. 375 PSI. BLEW CSG DWN CONTROL CSG W/ 25 BBLS, PU 1.875 X 1.78 LSN, RIH 100 JTS. 2-3/8" L-80 TBG, RU SWAB EQUIPMENT & RIH 1.910 BROACH & BROACH TBG TO SN, GOOD, POOH & LD SWAB EQUIPMENT, RIH 97 JTS. 2-3/8" L-80 TBG, RU SWAB EQUIPMENT & RIH 1.910 BROACH & BROACH TBG TO SN, GOOD, POOH & LD SWAB EQUIPMENT, PU 55 JTS. 2-3/8" L-80 TBG F/ TRAILER, LAND TBG W/ TOTAL 252 JTS. 2-3/8" L-80 TBG, EOT @ 7999.91, RU SWAB EQUIPMENT, RIH 1.910 & BROACH TBG TO SN, POOH RD SWAB EQUIPMENT, RD FLOOR & TBG EQUIPMENT, ND BOP'S, NU WH, CLEAN LOCATION, RDMO. MOVE TO THE BONANZA 1023-6G.

TBG DETAIL:

KB-----15'
HANGER-----.83
252 JTS.L-80 TBG-----7983.36
1.875 X 1.78 LSN-----.69
EOT @----- 7999.91
WLTR. 230 BBLS.
TOP PERF @ 5,830'
BTM PERF @ 8,512'
PBD @ 8,628'

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: UTU38419
1. TYPE OF WELL Gas Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	7. UNIT or CA AGREEMENT NAME: PONDEROSA
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	8. WELL NAME and NUMBER: BONANZA 1023-6G4CS
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1874 FNL 2053 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 06 Township: 10.0S Range: 23.0E Meridian: S	9. API NUMBER: 43047514580000
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: UINTAH	
STATE: UTAH	

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 10/26/2016	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text" value="WORKOVER"/>

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

A WELLBORE CLEANOUT HAS BEEN COMPLETED ON THE BONANZA 1023-6G4CS WELL. PLEASE SEE THE ATTACHED OPERATIONS SUMMARY REPORT FOR DETAILS.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 November 22, 2016

NAME (PLEASE PRINT) Candice Barber	PHONE NUMBER 435 781-9749	TITLE HSE Representative
SIGNATURE N/A	DATE 10/31/2016	

US ROCKIES REGION
Operation Summary Report

Well: BONANZA 1023-6G4CS YELLOW				Spud date: 12/30/2011			
Project: UTAH-UINTAH			Site: BONANZA 1023-6F PAD			Rig name no.: ROCKY MOUNTAIN WELL SERVICE 3/3	
Event: WELL WORK EXPENSE			Start date: 10/24/2016		End date: 10/26/2016		
Active datum: RKB @5,138.00usft (above Mean Sea Level)			UWI: SE/NW/0/10/S/23/E/6/0/0/26/PM/N/1874/W/0/2053/0/0				

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
10/7/2016	7:45 - 8:00	0.25	MAINT	48		P		HSM/ JSA
	8:00 - 11:00	3.00	MAINT	33	B	P		MIRU RHETTS TEST TRUCK, SITP 515 PSI PUMP 40 BBLs TMAC DWN TBG (TBG VOL 30 BBLs), END PRESS 50 PSI, CONFIRMED TBG LEAK, SWI, RDMO RHETTS.
10/24/2016	7:00 - 7:15	0.25	WO/REP	30	A	P		(DAY 2) 1ST DAY WITH RIG. HSM MOVING RIG EQUIP
	7:15 - 17:00	9.75	WO/REP	30				ROAD RIG FROM NBU 1022-1H TO BON 1023-6G4CS. MIRU, SPOT EQUIPMENT. SITP-500#, SICP=500#. BLEW WELL DOWN. KILL TBG W/ 20 BBLs TMAC. NDWH, NUBOP, R/U FLOOR & TBG EQUIPMENT. FOUND TBG FREE. L/D HANGER. MIRU SCAN TECH. POOH SCANNING 2-3/8" L-80 TBG. FOUND 30 RED BAND & 222 JTS YELL BAND. HAD TO KILL TBG 3X WHILE POOH. LIGHT EXTERNAL SCALE FROM JTS 187 TO EOT. HVY INTERNAL SCALE IN JTS 244-245. JT 227 HAD BEEN PERFD. MIRU NALCO & PUMP 10 GAL CORR INHIB DN CSG TO CHEM TREAT TBG WHILE RIH. RDMO NALCO. PREP AND TALLY PIPE. SWI-SDFN
10/25/2016	7:00 - 7:15	0.25	WO/REP	30		P		(DAY 2) JSA -- PIPE WRANGLER, PINCH POINTS, FOAM UNIT
	7:15 - 9:15	2.00	WO/REP	46		Z		SICP-475#. BLEW WELL DN. KILL W/ 10 BBLs 2% KCL. P/U 3-7/8" MILL, POBS W/ XN. AND RIH ON 2-3/8" L-80 Y BAND TBG. TONGS BROKE AFTER 3RD JT OF PIPE PICKED UP. WAIT ON NEW TONGS. MIRU WTRFD N2/FOAM UNIT.
	9:15 - 15:00	5.75	WO/REP	30		P		REPLACE TUBING TONGS. KILL TBG W/ 10 BBLs. CONTINUE P/U & RIH WITH TBG. (SLM) TBG WAS DRIFTED. TAG FILL AT 8050' R/U SWVL. PUMP 35 BBLs DN TBG. BIT NOT PLUGGED. SWI-SDFN
10/26/2016	7:00 - 7:15	0.25	WO/REP			P	(DAY 3) JSA P/U TBG, SWVLS, & BROATHING TBG	

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Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	7:15 - 17:00	9.75	WO/REP			P		<p>SITP=0#, SICP=475# BLEW WELL DOWN.EOT @ 8050'. ESTABLISH CIRC W/ N2/FOAM UNIT IN 1 HR. DRILL AND CLEAN OUT 95' HARD SCALE. FELL THROUGH, RIH TAG SCALE AT 8490'. C/O HARD SCALE TO 8620'. TAG OLD POBS.</p> <p>CIRC WELL CLEAN FOR 1 HR 15 MIN. (SCALE & SAND) R/D SWVL.</p> <p>POOH & LAY DOWN 29 JTS ON FLOAT. LAND TBG ON HANGER W/ 243 JTS 2-3/8" TBG. EOT @ 7712.84 & POBS W/ XN @ 7710.64 DROP BALL DOWN TBG AND PUMP OFF THE MILL WITH RIG RIG PUMP W/ 33 BBLS. TBG VOLUME 30 BBLS. DID NOT SEE IT PRESSURE UP. R/D FLOOR & TBG EQUIPMENT, NDBOP, NUWH.</p> <p>N/U BROATCH EQUIPMENT. BROATCH TBG W/ 1.910 BROATSH TO SEAT NIPPLE. R/D BROATCH EQUIPMENT. BLOW WELL AROUND WITH N2 / FOAM UNIT. RIG DOWN RIG, RACK EQUIPMENT. RDMO WTFRD FOAM UNIT. SWI. TURN OVER TO PRODUCTION.</p> <p>5PM SDFD</p>