

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

FORM 3

AMENDED REPORT

<b>APPLICATION FOR PERMIT TO DRILL</b>				<b>1. WELL NAME and NUMBER</b> EC 106-16		
<b>2. TYPE OF WORK</b> DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>				<b>3. FIELD OR WILDCAT</b> NATURAL BUTTES		
<b>4. TYPE OF WELL</b> Gas Well <input type="checkbox"/> Coalbed Methane Well: NO <input type="checkbox"/>				<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b>		
<b>6. NAME OF OPERATOR</b> EOG Resources, Inc.				<b>7. OPERATOR PHONE</b> 435 781-9111		
<b>8. ADDRESS OF OPERATOR</b> 1060 East Highway 40, Vernal, UT, 84078				<b>9. OPERATOR E-MAIL</b> kaylene_gardner@eogresources.com		
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b> ML47045		<b>11. MINERAL OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>		<b>12. SURFACE OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>		
<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b>				<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b>		
<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b>				<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>		
<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b>		<b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b> YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>		<b>19. SLANT</b> VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>		
<b>20. LOCATION OF WELL</b>	<b>FOOTAGES</b>	<b>QTR-QTR</b>	<b>SECTION</b>	<b>TOWNSHIP</b>	<b>RANGE</b>	<b>MERIDIAN</b>
LOCATION AT SURFACE	731 FSL 2629 FEL	SWSE	16	9.0 S	23.0 E	S
Top of Uppermost Producing Zone	731 FSL 2629 FEL	SWSE	16	9.0 S	23.0 E	S
At Total Depth	731 FSL 2629 FEL	SWSE	16	9.0 S	23.0 E	S
<b>21. COUNTY</b> UINTAH		<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 731		<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 640		
		<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b> 510		<b>26. PROPOSED DEPTH</b> MD: 9070 TVD: 9070		
<b>27. ELEVATION - GROUND LEVEL</b> 5004		<b>28. BOND NUMBER</b> 6191017		<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> 49-225		

**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 type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP

<b>NAME</b> Kaylene Gardner	<b>TITLE</b> Regulatory Administrator	<b>PHONE</b> 435 781-9111
<b>SIGNATURE</b>	<b>DATE</b> 07/13/2009	<b>EMAIL</b> kaylene_gardner@eogresources.com
<b>API NUMBER ASSIGNED</b> 43047505530000	<b>APPROVAL</b>   Permit Manager	

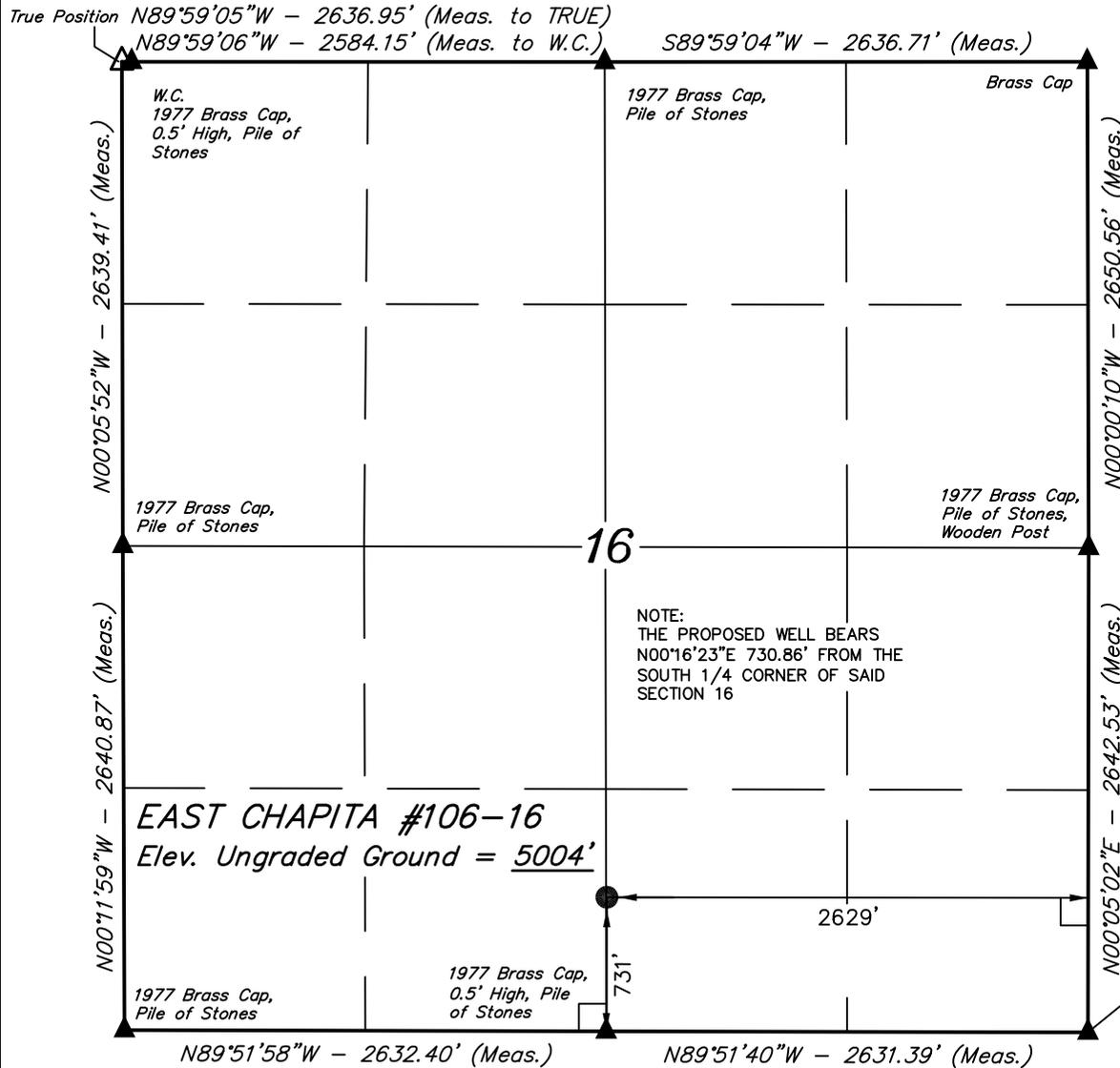
**Proposed Hole, Casing, and Cement**

<b>String</b>	<b>Hole Size</b>	<b>Casing Size</b>	<b>Top (MD)</b>	<b>Bottom (MD)</b>		
Prod	7.875	4.5	0	9250		
<b>Pipe</b>	<b>Grade</b>	<b>Length</b>	<b>Weight</b>			
	Grade P-110 LT&C	9070	11.6			

**Proposed Hole, Casing, and Cement**

<b>String</b>	<b>Hole Size</b>	<b>Casing Size</b>	<b>Top (MD)</b>	<b>Bottom (MD)</b>		
Surf	12.25	9.625	0	2300		
<b>Pipe</b>	<b>Grade</b>	<b>Length</b>	<b>Weight</b>			
	Grade J-55 ST&C	2300	36.0			

# T9S, R23E, S.L.B.&M.



## EOG RESOURCES, INC.

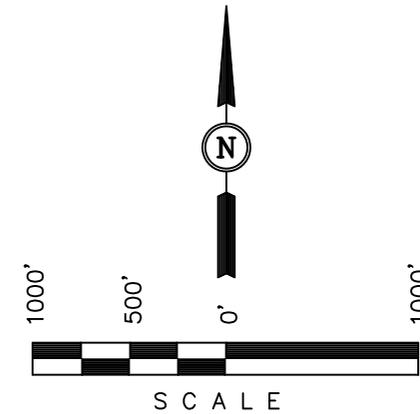
Well location, EAST CHAPITA #106-16, located as shown in the SW 1/4 SE 1/4 of Section 16, T9S, R23E, S.L.B.&M., Uintah County, Utah.

### BASIS OF ELEVATION

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

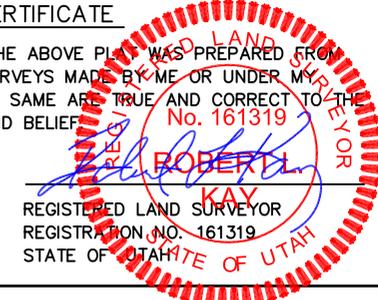
### BASIS OF BEARINGS

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



### CERTIFICATE

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



REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 161319  
 STATE OF UTAH

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

### LEGEND:

- = 90° SYMBOL
- = PROPOSED WELL HEAD.
- = SECTION CORNERS LOCATED.

(NAD 83)  
 LATITUDE =  $40^{\circ}01'50.53''$  (40.030703)  
 LONGITUDE =  $109^{\circ}19'54.86$  (109.331906)  
 (NAD 27)  
 LATITUDE =  $40^{\circ}01'50.65''$  (40.030736)  
 LONGITUDE =  $109^{\circ}19'52.42''$  (109.331228)

SCALE 1" = 1000'	DATE SURVEYED: 02-26-09	DATE DRAWN: 03-23-09
PARTY C.R. T.A. C.H.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE EOG RESOURCES, INC.	

APIWellNo:43047505530000

**DRILLING PLAN**

**ECW 106-16**

**SW/SE, SEC. 16, T9S, R23E, S.L.B.&M.,  
UINTAH COUNTY, UTAH**

**1. & 2. ESTIMATED TOPS & ANTICIPATED OIL, GAS, & WATER ZONES:**

<b>FORMATION</b>	<b>TVD-RKB (ft)</b>	<b>Objective</b>	<b>Lithology</b>	
Green River	1,419		Shale	
Birdsnest	1,717		Dolomite	
Mahogany Oil Shale Bed	2,342		Shale	
Wasatch	4,601	Primary	Sandstone	Gas
Chapita Wells	5,187	Primary	Sandstone	Gas
Buck Canyon	5,832	Primary	Sandstone	Gas
North Horn	6,404	Primary	Sandstone	Gas
KMV Price River	6,780	Primary	Sandstone	Gas
KMV Price River Middle	7,563	Primary	Sandstone	Gas
KMV Price River Lower	8,325	Primary	Sandstone	Gas
Sego	8,866		Sandstone	
<b>TD</b>	<b>9,070</b>			

**Estimated TD: 9,070' or 200'± below TD**

**Anticipated BHP: 4,952 Psig**

1. Fresh Waters may exist in the upper, approximately 1,000 ft ± of the Green River Formation, with top at about 2,000 ft ±.
2. Cement isolation is installed to surface of the well isolating all zones by cement.

**3. PRESSURE CONTROL EQUIPMENT:**

Production Hole – 5000 Psig  
BOP schematic diagrams attached.

**4. CASING PROGRAM:**

<b>CASING</b>	<b>Hole Size</b>	<b>Length</b>	<b>Size</b>	<b>WEIGHT</b>	<b>Grade</b>	<b>Thread</b>	<b>Rating Collapse</b>	<b>Factor Burst</b>	<b>Tensile</b>
Conductor	20"	0 – 60'	14"	32.5#	A252			1800 PSI	10,000#
Surface	12 ¼"	0 – 2,300' KB±	9-5/8"	36.0#	J-55	STC	2020 PSI	3520 Psi	394,000#
Production	7-7/8"	Surface – TD	4-1/2"	11.6#	N-80	LTC	6350 PSI	7780 Psi	223,000#

**Note:** 12-¼" surface hole will be drilled to a total depth of 200'± below the base of the Green River lost circulation zone and cased w/9-5/8" as shown to that depth. Drilled depth may be shallower or deeper than the 2300' shown above depending on the actual depth of the loss zone.

**All casing will be new or inspected.**

**DRILLING PLAN**

**ECW 106-16**

**SW/SE, SEC. 16, T9S, R23E, S.L.B.&M..**  
**UINTAH COUNTY, UTAH**

**5. Float Equipment:**

**Surface Hole Procedure (0' - 2300'±)**

Guide Shoe  
Insert Float Collar (PDC drillable)  
Centralizers: 1-5' above shoe, top of jts. #2 and #3 then every 5<sup>th</sup> joint to surface. (15 total)

**Production Hole Procedure (2300'± - TD):**

Float shoe, 1 joint casing, float collar and balance of casing to surface. 4-1/2", 11.6#, N-80 or equivalent marker collars or short casing joints to be placed at top of Price River and 400' above top of Wasatch. Centralizers to be placed 5' above shoe on joint #1, top of joint #2, **and every 3rd joint to 400' above the top of primary objective.** Thread lock float shoe, top and bottom of float collar, and top of 2<sup>nd</sup> joint.

**6. MUD PROGRAM**

**Surface Hole Procedure (Surface - 2300'±):**

Air/air mist or aerated water.

**Production Hole Procedure (2300'± - TD):**

Anticipated mud weight 9.5 – 10.5 ppg depending on actual wellbore conditions encountered while drilling.

**2300'± - TD** A closed mud system will be utilized. A bentonite gelled water mud system will be used to control viscosity w/PHPA polymer used for supplemental viscosity and clay encapsulation/inhibition. Water loss will be maintained at <15cc's using white starch or PAC. Bactericides will be used as needed. Anticipated pH will range from 9.0-10.0. Mud weight will be adjusted as necessary for well control. Deflocculants/thinners will be used as necessary to maintain mud quality. LCM sweeps will be utilized as necessary to control lost circulation and mud loss. CO2 contamination, if encountered, will be treated with lime and gypsum

**DRILLING PLAN**

**ECW 106-16**

**SW/SE, SEC. 16, T9S, R23E, S.L.B.&M..**  
**UINTAH COUNTY, UTAH**

**7. VARIANCE REQUESTS:**

**Reference: Onshore Oil and Gas Order No. 1**  
**Onshore Oil and Gas Order No. 2 – Section E: Special Drilling Operations**

- EOG Resources, Inc. requests a variance to regulations requiring a straight run blooie line to be 100' in length. (Where possible, a straight run blooie line will be used).
- EOG Resources, Inc. requests a variance to regulations requiring the blooie line to be 100' in length. To reduce location excavation, the blooie line will be approximately 75' in length.
- EOG Resources, Inc. requests a variance to regulations, during air drilling operations only, requiring dedusting equipment. Dust during air drilling operations is controlled by water mist.
- EOG Resources, Inc. requests a variance to regulations, during air drilling operations only, requiring an automatic igniter or continuous pilot light on the blooie line. (Not required on aerated water system).
- EOG Resources, Inc. requests a variance that compressors are located in the opposite direction from the blooie line a minimum of 100 feet from the well bore. (Air Compressors are rig mounted).

**8. EVALUATION PROGRAM:**

**Logs:**

**Cased-hole Logs:**

Mud log from base of surface casing to TD.

Cased-hole logs will be run in lieu of open-hole logs consisting of the following:

**Cement Bond / Casing Collar Locator and Pulsed Neutron**

**DRILLING PLAN**

**ECW 106-16**

**SW/SE, SEC. 16, T9S, R23E, S.L.B.&M.,  
UINTAH COUNTY, UTAH**

**9. CEMENT PROGRAM:**

**Surface Hole Procedure (Surface - 2300'±):**

**Lead: 185 sks** Class "G" cement with 16% Gel, 10 #/sx Gilsonite, 3% Salt, 2% CaCl<sub>2</sub>, 3 lb/sx GR3 ¼ #/sx Flocele mixed at 11 ppg, 3.82 ft<sup>3</sup>/sk. yield, 23 gps water.

**Tail: 207 sks** Class "G" cement with 2% CaCl<sub>2</sub>, ¼#/sk Flocele mixed at 15.6 ppg, 1.18 ft<sup>3</sup>/sk., 5.2 gps water.

**Top Out:** As necessary with Class "G" cement with 2% CaCl<sub>2</sub>, ¼#/sk Flocele mixed at 15.6 ppg, 1.18 ft<sup>3</sup>/sk., 5.2 gps water.

**Note:** Cement volumes will be calculated to bring lead cement to surface and tail cement to 500' above the casing shoe.

**Production Hole Procedure (2300'± - TD)**

**Lead: 119 sks:** Hi-Lift "G" w/12% D20 (Bentonite), 1% D79 (Extender), 5% D44 (Salt), 0.2% D46 (Antifoam), 0.25% D112 (Fluid Loss Additive), 0.25 pps D29 (cello flakes) mixed at 11.0 ppg, 3.91 ft<sup>3</sup>/sk., 24.5 gps water.

**Tail: 872 sks:** 50:50 Poz "G" w/ 2% D20 (Bentonite), 0.1% D46 (Antifoam), 0.075% D13 (Retarder), 0.2% D167 (Fluid Loss Additive), 0.2% D65 (Dispersant), mixed at 14.1 ppg, 1.28 ft<sup>3</sup>/sk., 5.9gps water.

**Note:** The above number of sacks is based on gauge-hole calculation.  
Lead volume to be calculated to bring cement to 200'± above 9-5/8" casing shoe.  
Tail volume to be calculated to bring cement to 400'± above top of Wasatch.

**Final Cement volumes will be based upon gauge-hole plus 45% excess.**

**DRILLING PLAN**

**ECW 106-16**

**SW/SE, SEC. 16, T9S, R23E, S.L.B.&M.,  
UINTAH COUNTY, UTAH**

**10. ABNORMAL CONDITIONS:**

**Surface Hole (Surface - 2300'±):**

Lost circulation

**Production Hole (2300'± - TD):**

Sloughing shales, lost circulation and key seat development are possible in the Wasatch Formation.

**11. STANDARD REQUIRED EQUIPMENT:**

- A. Choke Manifold
- B. Upper and Lower Kelly Cock
- C. Stabbing Valve
- D. Visual Mud Monitoring

**12. HAZARDOUS CHEMICALS:**

No chemicals subject to reporting under SARA title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

**13. Air Drilling Operations:**

1. Main Air Compressors are 1250 CFM 350 psi with 2000 psi Boosters and are rig mounted.
2. Secondary Air Compressors are 1170 CFM 350 psi with 2000 psi Boosters and are rig mounted.
3. Minimum setting depth of conductor casing will be 60' GL or 10'± into competent formation, whichever is deeper, as determined by the EOG person in charge. Exceptions must be approved by an EOG drilling superintendent or manager.
4. The diameter of the diverter flow line will be a minimum of 10" to help reduce back pressure on the well bore during uncontrolled flow.
5. Rat and Mouse hole drilling will occur only after surface casing has been set and cemented.
6. EOG Resources, Inc. will use a properly maintained and lubricated stripper head.

**(Attachment: BOP Schematic Diagram)**

**EOG RESOURCES, INC.**  
**EAST CHAPITA #106-16**  
**LOCATED IN UINTAH COUNTY, UTAH**  
**SECTION 16, T9S, R23E, S.L.B.&M.**



PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: WESTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHEASTERLY



- Since 1964 -

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

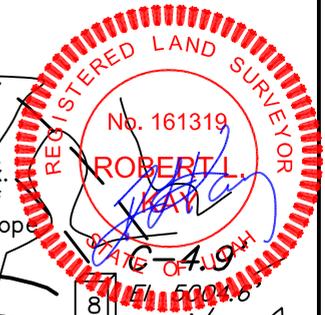
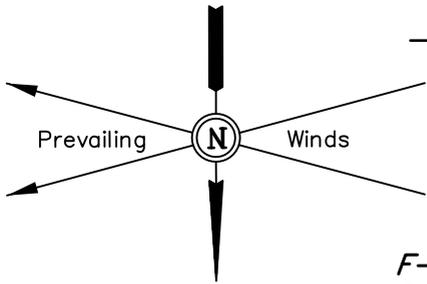
<b>LOCATION PHOTOS</b>	<b>03</b>	<b>30</b>	<b>09</b>	<b>PHOTO</b>
	MONTH	DAY	YEAR	
TAKEN BY: C.R.	DRAWN BY: Z.L.		REVISED: 00-00-00	



# EOG RESOURCES, INC.

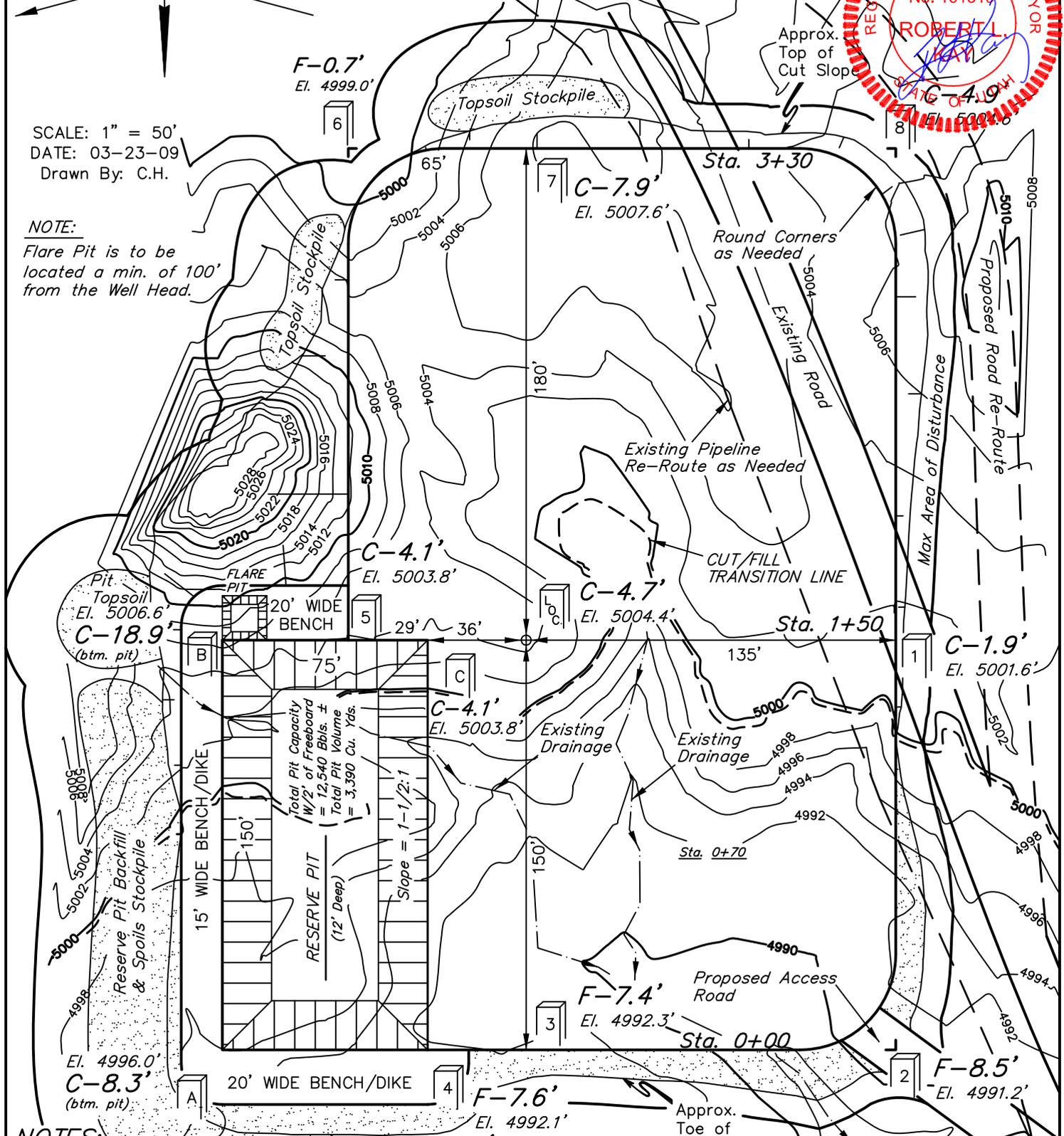
FIGURE #1

LOCATION LAYOUT FOR  
EAST CHAPITA #106-16  
SECTION 16, T9S, R23E, S.L.B.&M.  
731' FSL 2629' FEL



SCALE: 1" = 50'  
DATE: 03-23-09  
Drawn By: C.H.

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



**NOTES:**

Elev. Ungraded Ground At Loc. Stake = 5004.4'  
FINISHED GRADE ELEV. AT LOC. STAKE = 4999.7'

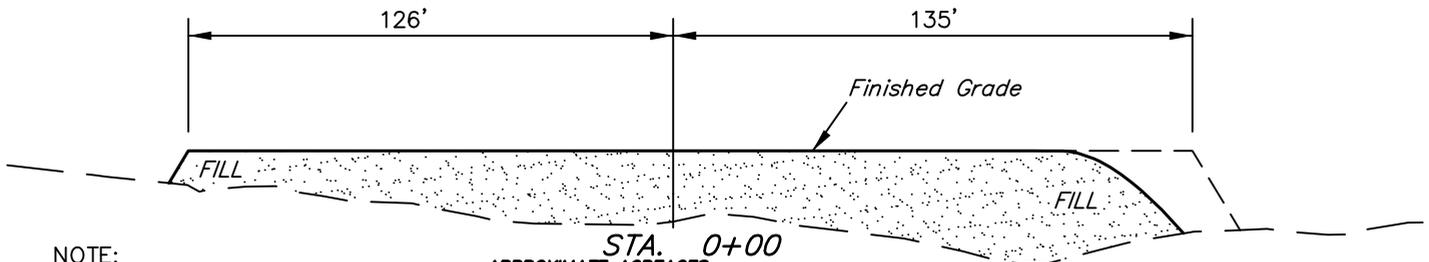
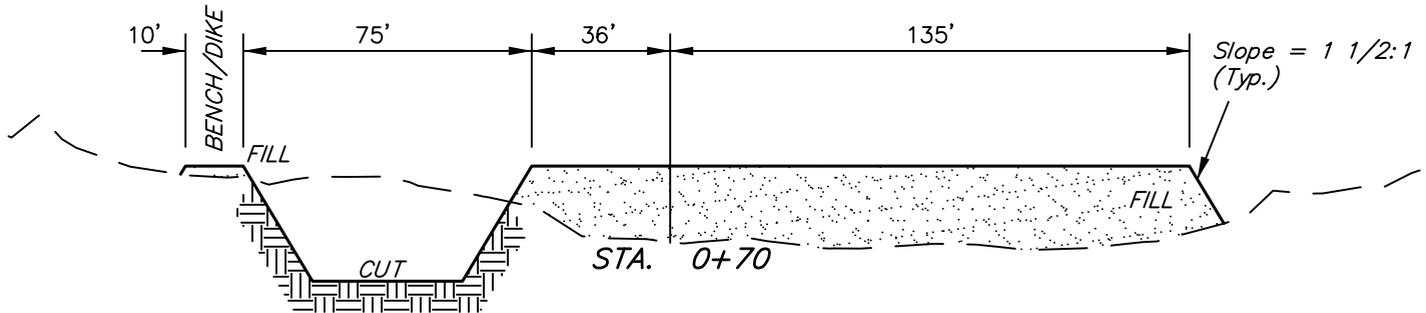
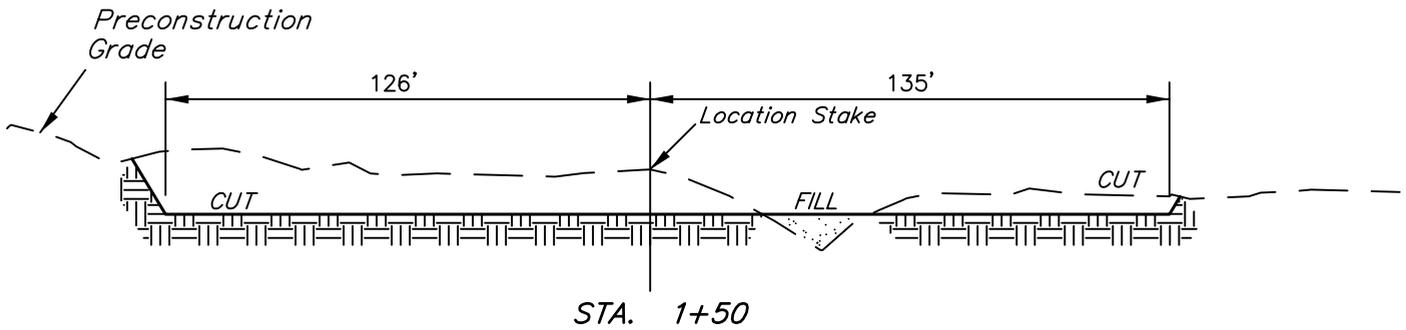
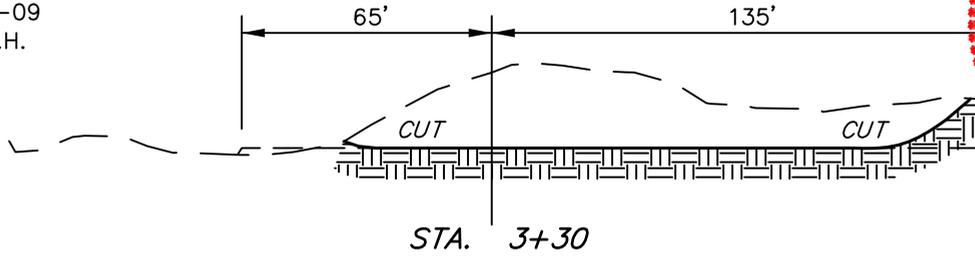
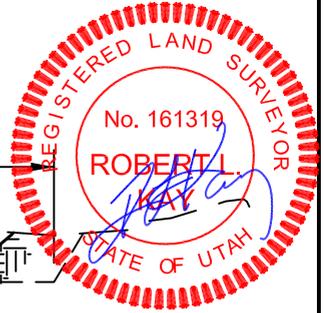
**EOG RESOURCES, INC.**

**FIGURE #2**

**TYPICAL CROSS SECTIONS FOR**

**EAST CHAPITA #106-16  
SECTION 16, T9S, R23E, S.L.B.&M.  
731' FSL 2629' FEL**

X-Section Scale  
1" = 20'  
1" = 50'  
DATE: 03-23-09  
Drawn By: C.H.



**NOTE:**

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

**APPROXIMATE ACREAGES**

- WELL SITE DISTURBANCE = ±2.700 ACRES
- ACCESS ROAD DISTURBANCE = ±0.056 ACRES
- ROAD RE-ROUTE DISTURBANCE = ±0.313 ACRES
- PIPELINE DISTURBANCE = ±0.147 ACRES
- PIPELINE RE-ROUTE DISTURBANCE = ±0.236 ACRES
- TOTAL = ±3.452 ACRES**

**\* NOTE:**

FILL QUANTITY INCLUDES 5% FOR COMPACTION

**APPROXIMATE YARDAGES**

<b>CUT</b>	
(6") Topsoil Stripping	= 1,740 Cu. Yds.
Remaining Location	= 9,880 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 11,620 CU.YDS.</b>
<b>FILL</b>	<b>= 8,180 CU.YDS.</b>

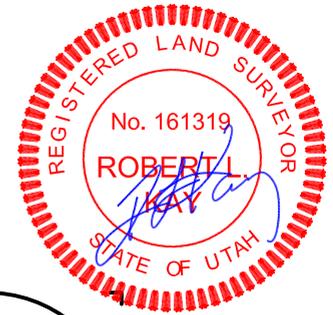
EXCESS MATERIAL	= 3,440 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 3,440 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 0 Cu. Yds.

# EOG RESOURCES, INC.

## TYPICAL RIG LAYOUT FOR

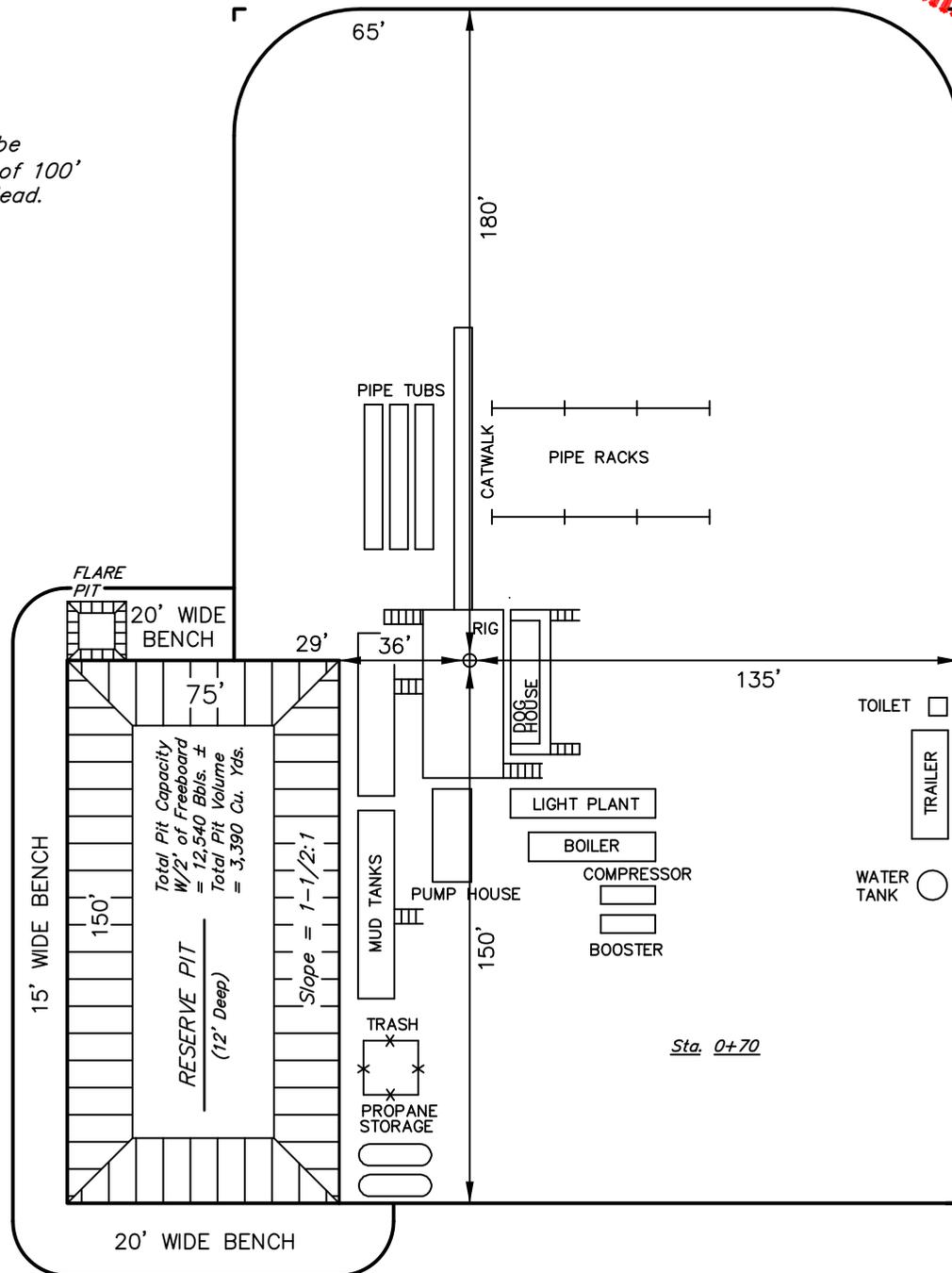
EAST CHAPITA #106-16  
SECTION 16, T9S, R23E, S.L.B.&M.  
731' FSL 2629' FEL

FIGURE #3



SCALE: 1" = 50'  
DATE: 03-23-09  
Drawn By: C.H.

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



EOG RESOURCES, INC.

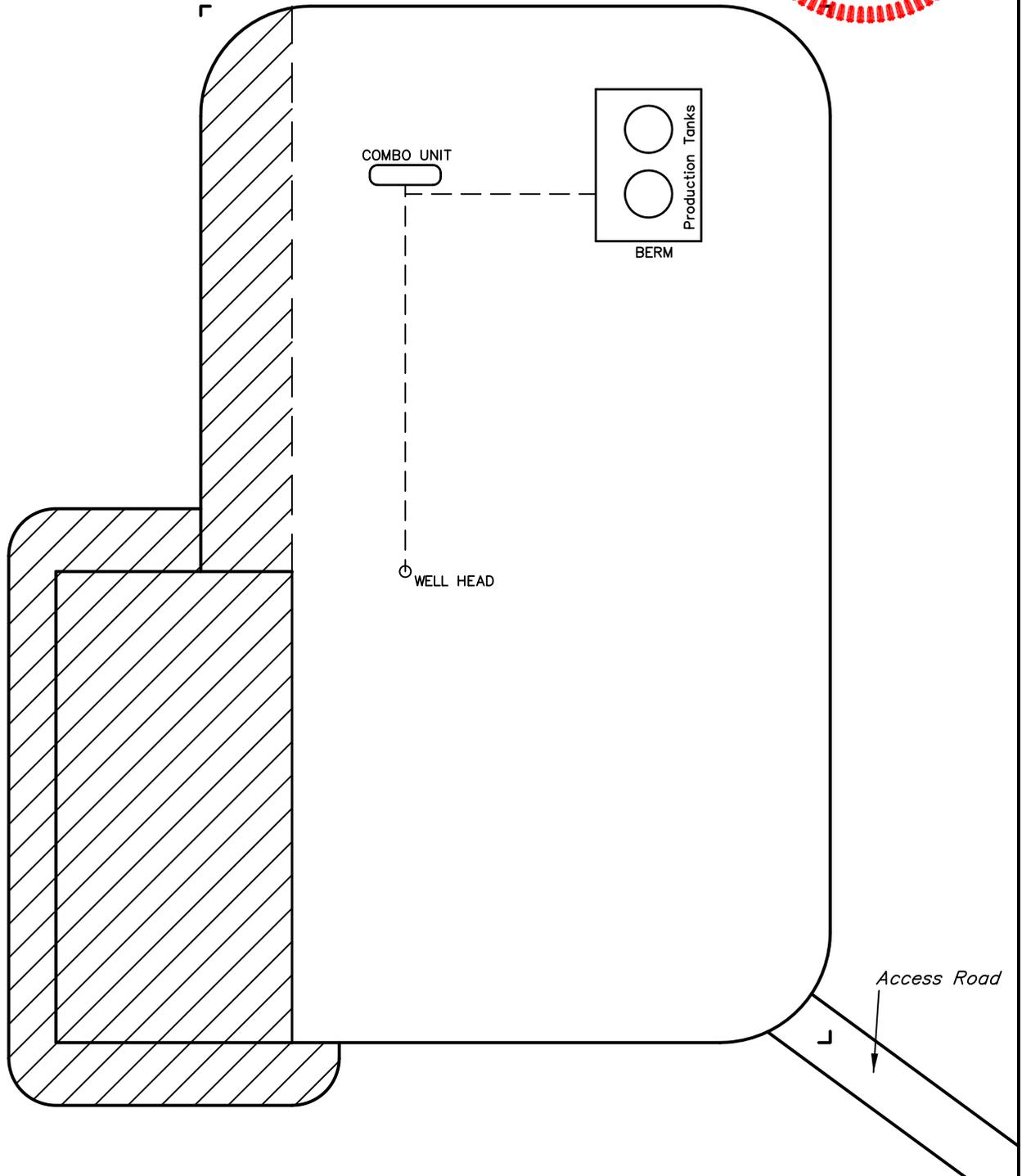
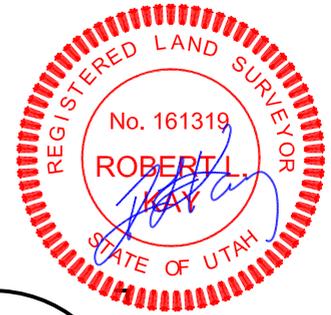
PRODUCTION FACILITY LAYOUT FOR

EAST CHAPITA #106-16  
SECTION 16, T9S, R23E, S.L.B.&M.  
731' FSL 2629' FEL

FIGURE #4



SCALE: 1" = 50'  
DATE: 03-23-09  
Drawn By: C.H.

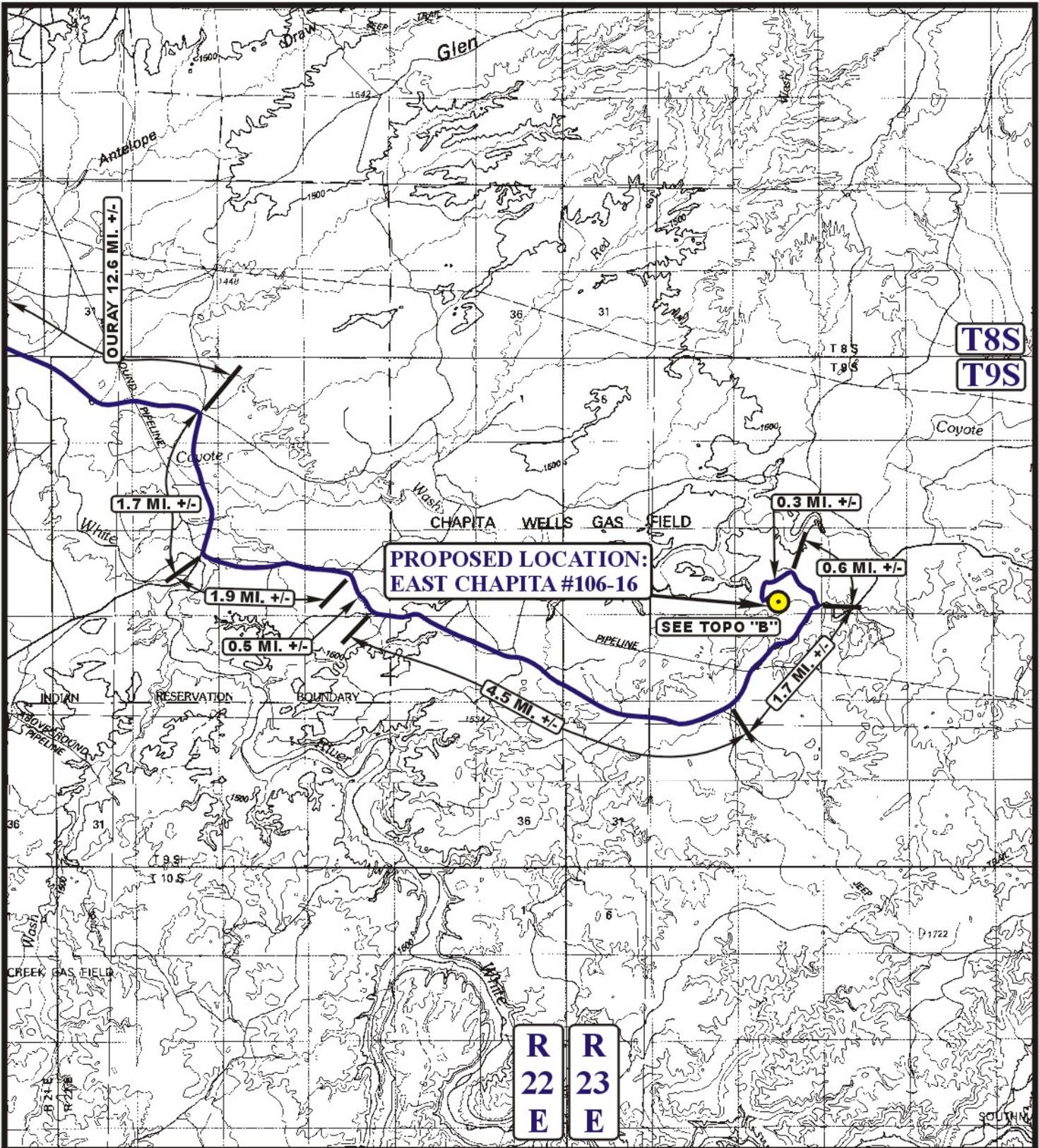


 RE-HABED AREA

**EOG RESOURCES, INC.**  
**EAST CHAPITA #106-16**  
**SECTION 16, T9S, R23E, S.L.B.&M.**

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.3 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 12.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 1.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 1.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY, THEN EASTERLY DIRECTION APPROXIMATELY 4.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 1.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN LEFT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN LEFT AND PROCEED IN A SOUTHWESTERLY, THEN EASTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTHEAST; FOLLOW ROAD FLAGS IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 50' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 55.3 MILES.



**LEGEND:**

 PROPOSED LOCATION

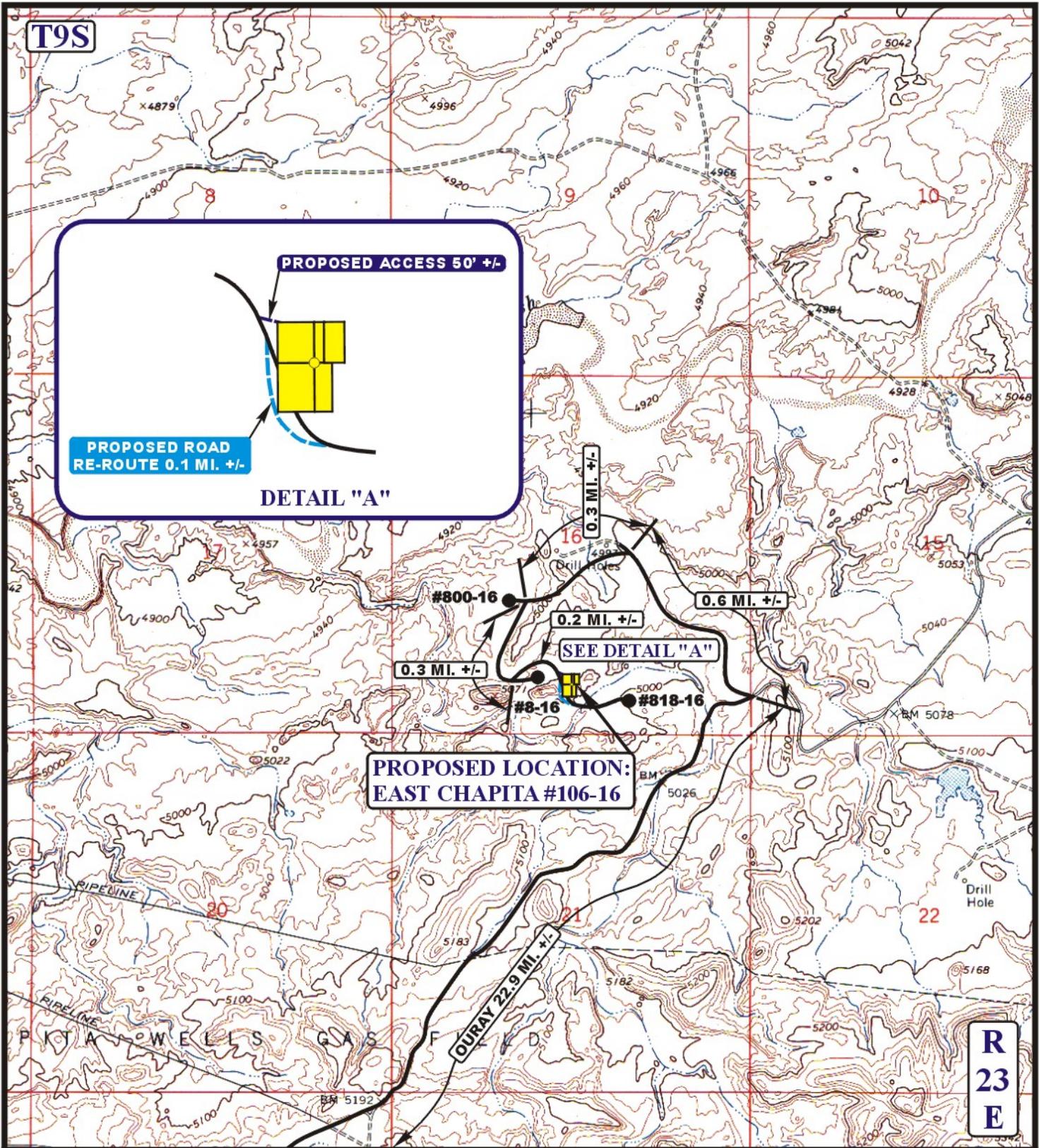
**EOG RESOURCES, INC.**

**EAST CHAPITA #106-16**  
**SECTION 16, T9S, R23E, S.L.B.&M.**  
**731' FSL 2629' FEL**

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



**TOPOGRAPHIC MAP** 03 30 09  
MONTH DAY YEAR  
SCALE: 1:100,000 DRAWN BY: Z.L. REVISED: 00-00-00 **TOPO**



**LEGEND:**

-  EXISTING ROAD
-  PROPOSED ACCESS ROAD

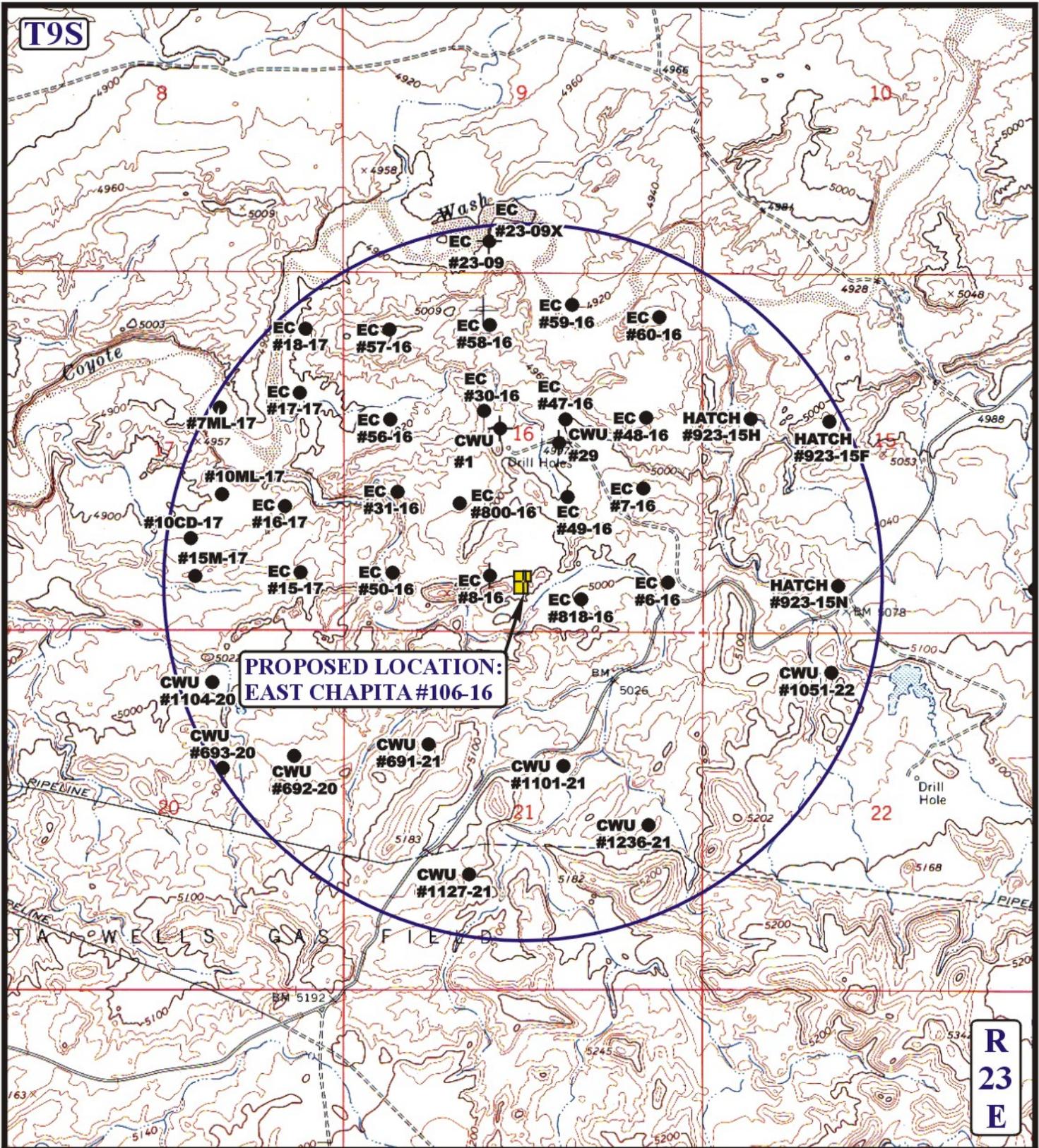


**EOG RESOURCES, INC.**

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**TOPOGRAPHIC MAP** **03 30 09**  
 MONTH DAY YEAR  
 SCALE: 1" = 2000' DRAWN BY: Z.L. REVISED: 00-00-00 **B TOPO**



**PROPOSED LOCATION:  
EAST CHAPITA #106-16**

**LEGEND:**

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

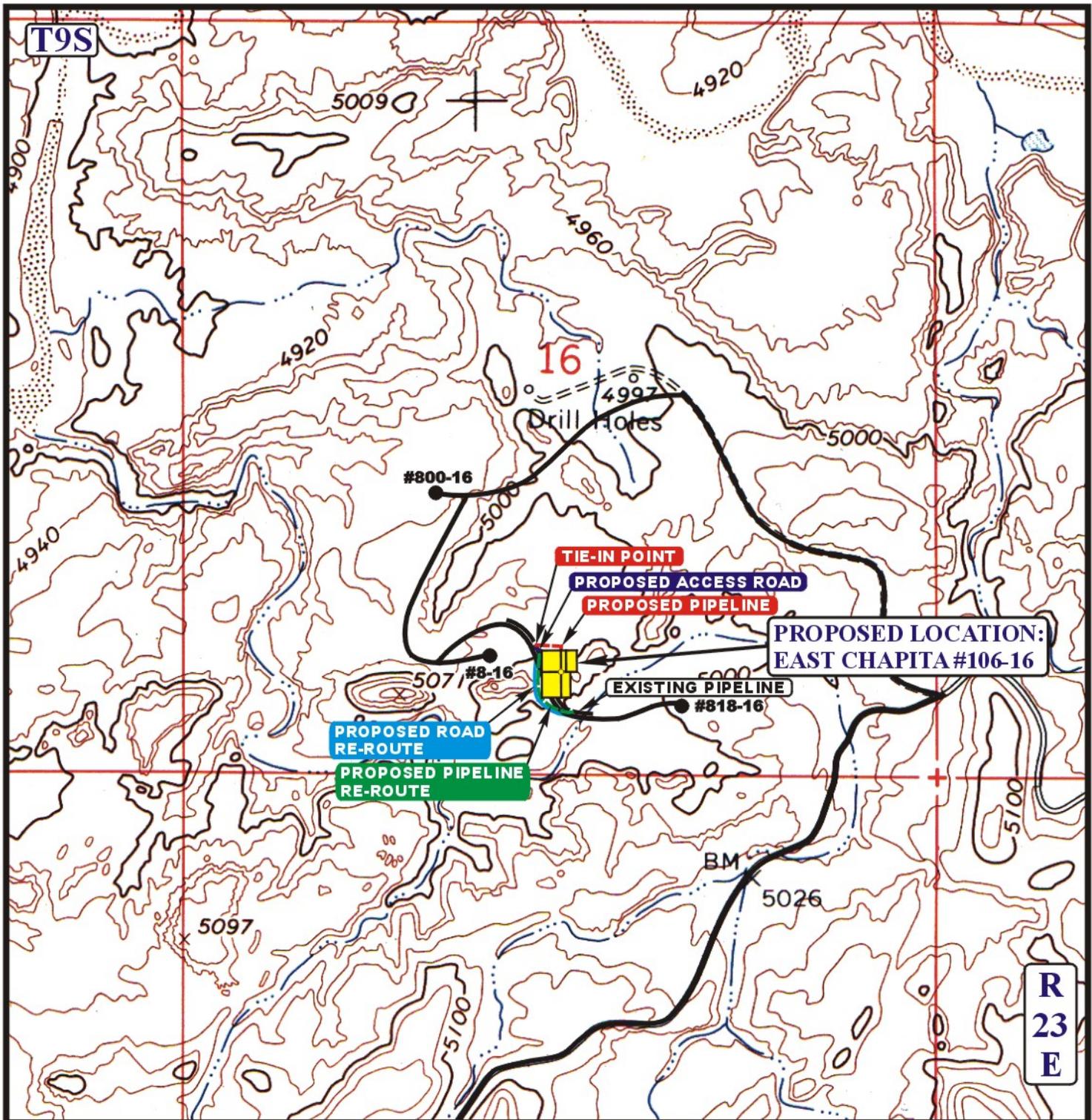
**EOG RESOURCES, INC.**

**EAST CHAPITA #106-16  
SECTION 16, T9S, R23E, S.L.B.&M.  
731' FSL 2629' FEL**

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**TOPOGRAPHIC MAP** 03 30 09  
MONTH DAY YEAR  
SCALE: 1" = 2000' DRAWN BY: Z.L. REVISED: 00-00-00





**APPROXIMATE TOTAL PIPELINE RE-ROUTE DISTANCE = 507' +/-**

**APPROXIMATE TOTAL PIPELINE DISTANCE = 214' +/-**

**LEGEND:**

-  PROPOSED ACCESS ROAD
-  PROPOSED ROAD RE-ROUTE
-  EXISTING PIPELINE
-  PROPOSED PIPELINE
-  PROPOSED PIPELINE RE-ROUTE

**EOG RESOURCES, INC.**

**EAST CHAPITA #106-16  
SECTION 16, T9S, R23E, S.L.B.&M.  
731' FSL 2629' FEL**



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



**TOPOGRAPHIC  
MAP**

**03 30 09**  
MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: Z.L. REVISED: 00-00-00





***East Chapita 106-16  
SWSE, Section 16, T9S, R23E  
Uintah County, Utah***

***SURFACE USE PLAN***

***1. EXISTING ROADS:***

- A. See attached Plats showing directional reference stakes on location, and attached TOPO Map "B" showing access to location from existing roads.
- B. The proposed well site is located approximately 55.3 miles south of Vernal, Utah – See attached TOPO Map "A".
- C. Refer to attached Topographic Map "A" showing labeled access route to location.
- D. Existing roads will be maintained and repaired as necessary.

***2. PLANNED ACCESS ROAD:***

- A. The access road will be approximately 50' in length. See attached Topo B.
- B. The access road has a 40-foot ROW w/18 foot running surface.
- C. Maximum grade of the new access road will be 8 percent.
- D. No turnouts will be required.
- E. Road drainage crossings shall be of the typical dry creek drainage crossing type.
- F. No bridges, or major cuts and fills will be required.
- G. The access road will be dirt surface.
- H. No gates, cattleguards, or fences will be required or encountered.
- I. A 40-foot permanent right-of-way is requested. No surfacing material will used.
- J. No additional storage areas will be needed for storing equipment, stockpiling, or vehicle parking.

All travel will be confined to existing access road rights-of-way.

New or reconstructed roads will be centerlined – flagged at time of location staking.

The road shall be constructed/upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Construction/upgrading shall include ditching, draining, graveling, crowning, and capping the roadbed as necessary to provide a well-constructed safe road. Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 40-foot right-of-way will not be allowed. Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided.

As operator, EOG Resources, Inc. shall be responsible for all maintenance on cattleguards, or gates associated with this oil and/or gas operation.

Traveling off the 40-foot right-of-way will not be allowed. The access road and associated drainage structures will be constructed and maintained in accordance with road guidelines contained in the joint BLM/USFS publication: Surface Operating Standards for Oil and Gas Exploration and Development, Fourth Edition, and/or BLM Manual Section 9113 concerning road construction standards on projects subject to federal jurisdiction. During the drilling and production phase of operations, the road surface and shoulders will be kept in a safe and useable condition and drainage ditches and culverts will be kept clear and free flowing.

### **3. LOCATION OF EXISTING WELLS WITHIN A ONE-MILE RADIUS:**

See attached TOPO map "C" for the location of wells within a one-mile radius.

### **4. LOCATION OF EXISTING AND/OR PROPOSED PRODUCTION FACILITIES:**

#### **A. On Well Pad**

1. Production facilities will be set on location if the well is successfully completed for production. Facilities will consist of wellhead valves, combo separator-dehy unit with meter, two (2) 400-bbl vertical tanks and attaching piping.
2. Gas gathering lines – A 4" gathering line will be buried from dehy to the edge of the location.

#### **B. Off Well Pad**

1. Proposed pipeline will transport natural gas.
2. The pipeline will be a permanent feeder line.
3. The length of the proposed pipeline is 214' x 40'. The proposed pipeline leaves the northern edge of the proposed location proceeding in a westerly direction for an approximate distance of 214' tying into an existing pipeline in the SWSE of Section 16, T9S, R23E. Pipe will be 4" NOM, 0.156 wall, Grade X42, Zap-Lock, electric weld with a 35 mil X-Tru coating.

An existing pipeline will be re-routed for an approximate distance of 507' to the west of the proposed location. (See Topo D).

4. Proposed pipeline will be a 4" OD steel, zap-lok line laid on the surface
5. Proposed pipeline will be laid on surface.
6. Pipeline will be coupled using the Zap lock method. No additional off-pad facilities will be required.

All permanent (on site for six months or longer) structures constructed or installed (including pumping units) will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within 6 months of installation. **All facilities will be painted with Carlsbad Canyon.** Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.

**5. LOCATION AND TYPE OF WATER SUPPLY:**

- A. Water supply will be from Ouray Municipal Water Plant at Ouray, Utah, and/or Bonanza Power Plant water source in Sec 26, T8S, R23E Uintah County, UT (State Water Right # 49-225(A31368)). Water will be hauled by a licensed trucking company.
- B. Water will be hauled by a licensed trucking company.
- C. No water well will be drilled on lease.

**6. SOURCE OF CONSTRUCTION MATERIALS:**

- A. All construction material for this pipeline will be of native borrow and soil accumulated during the construction of the location.
- B. No mineral materials will be required.

**7. METHODS OF HANDLING WASTE DISPOSAL:**

**A. METHODS AND LOCATION**

1. Cuttings will be confined in the reserve pit.
2. A portable toilet will be provided for human waste during the drilling and completion of the well. Disposal will be at the Vernal sewage disposal plant.
3. Burning will not be allowed. Trash and other waste material will be contained in a wire mesh cage and disposed of at the Uintah County Landfill.

4. Produced wastewater will be confined to a lined pit or storage tank for a period not to exceed 90 days after initial production. After the 90 day period, the produced water will be contained in a tank on location and then disposed of at one of the following locations: Natural Buttes Unit 21-20B SWD, Ace Disposal, CWU 550-30N SWD, CWU 2-29 SWD, Red Wash Evaporation Ponds, 1, 2, 3, 4, 5, and/or 6, Coyote Ponds 1, 2, 3, and/or 4, or EOG Resources, Inc. drilling operations (Chapita Wells Unit, Natural Buttes Unit & Stagecoach Unit).
  5. All chemicals will be disposed of at an authorized disposal site. Drip pans and absorbent pads will be used on the drilling rig to avoid leakage of oil to the pit.
- B. Water from drilling fluids and recovered during testing operations will be disposed of by either evaporating in the reserve pit or by removed and disposed of at an authorized disposal site. Introduction of well bore hydrocarbons to the reserve pit will be avoided by flaring them off in the flare pit at the time of recovery.

The reserve pit will be constructed so as not to leak, break, or allow discharge. If the reserve pit requires padding prior to lining (due to rocky conditions) felt padding will be used.

The reserve pit shall be lined with felt and a 16 millimeter plastic liner. Sufficient bedding (i.e. weed free straw, or hay; felt; polyswell or soil) to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit. More stringent protective requirements may be deemed necessary by the A.O.

EOG Resources, Inc. maintains a file, per 29 CFR 1910.1200 (g) containing current Material Safety Data Sheets (MSDS) for all chemicals, compounds, and/or substances which are used during the course of construction, drilling, completion, and production operations for this project. Hazardous materials (substances) which may be found at the site may include drilling mud and cementing products which are primarily inhalation hazards, fuels (flammable and/or combustible), materials that may be necessary for well completion/ stimulation activities such as flammable or combustible substances and acids/gels (corrosives). The opportunity for Superfund Amendments and Reauthorization Act (SARA) listed Extremely Hazardous Substances (EHS) at the site is generally limited to proprietary treating chemicals. All hazardous and EHS and commercial preparations will be handled in an appropriate manner to minimize the potential for leaks or spills to the environment.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completion of the well. Furthermore, extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will not be used, produced, stored, transported, or disposed of in association with the drilling, testing or completion of the well.

## **8. ANCILLARY FACILITIES:**

None anticipated.

**9. WELL SITE LAYOUT:**

- A. Refer to attached well site plat for related topography cuts and fills and cross sections.
- B. Refer to attached well site plat for rig layout and soil material stockpile location as approved on On-site.
- C. Refer to attached well site plat for rig orientation, parking areas, and access road.

The reserve pit will be located on the northeast corner of the location. The flare pit will be located downwind of the prevailing wind direction on the east side of the location, a minimum of 100 feet from the wellhead and 30 feet from the reserve pit fence.

The stockpiled topsoil will be stored in a location providing easy access for interim reclamation and protection of the topsoil. Upon completion of construction, the stockpiled topsoil from the location will be spread over the interim area and seeded with the approved seed mixture from this location.

Access to the well pad will be from the north.

**FENCING REQUIREMENTS:**

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

- A. Thirty-nine inch net wire shall be used with at least one strand of barbed wire on top of the net wire. (Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.)
- B. The net wire shall be no more than 2 inches above the ground. The barbed wire strand shall be 3 inches above the net wire. Total height of the fence shall be at least 42 inches.
- C. Corner posts shall be cemented and/or braced in such a manner as to keep the fence tight at all times.
- D. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distances between any two posts shall be no greater than 16 feet.
- E. All wire shall be stretched by using a stretching device before it is attached to the corner posts.

The reserve pit fencing will be on the three sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until clean-up.

Each existing fence to be crossed by the access road shall be braced and tied off before cutting so as to prevent slacking of the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and, upon completion of construction, the fence shall be repaired to BLM or SMA specifications. A cattleguard with an adjacent 16 foot gate shall be installed in any fence where a road is regularly traveled. If the well is a producer, the cattleguards (shall/shall not) be permanently counted on concrete bases. Prior to crossing any fence located on Federal land, or any fence between Federal land and private land, the operator will contact the BLM, who will in turn contact the grazing permittee or owner of said fence and offer him/her the opportunity to be present when the fence is cut in order to satisfy himself/herself that the fence is adequately braced and tied off.

## **10. PLANS FOR RECLAMATION OF THE SURFACE:**

### **A. Interim Reclamation (Producing Location)**

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.

Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with CFR 3162.7-1.

If a plastic nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours – See attached Figure #3. The reserve pit will be reclaimed within 90 days from the date of the well completion, or as soon as environmental conditions allow. Before any dirt takes place, the reserve pit must be completely dry and free of all foreign obstacles.

The stockpiled pit topsoil will then be spread over the pit area and broadcast seeded with the prescribed seed mixture for this location. The seeded area will then be walked down with a cat.

### **B. Dry Hole/Abandoned Location**

At such time as the well is plugged and abandoned, the operator will submit a subsequent report of abandonment and the BLM will attach the appropriated surface rehabilitation conditions of approval.

## **11. SURFACE OWNERSHIP:**

Surface ownership of the proposed well site, access road, and pipeline route is as follows:

**State of Utah**

**12. OTHER INFORMATION:**

- A. EOG Resources, Inc. will inform all persons in the area who are associated with this project that they are subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator will immediately stop work that might further disturb such materials, and contact the Authorized Officer. Within five working days the Authorized Officer will inform the operator as to:
- Whether the materials appear eligible for the National Register of Historic Places;
  - The mitigation measures the operator will likely have to undertake before the site can be used.
  - A time frame for the Authorized Officer to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the Authorized Officer are correct and that mitigation is appropriate.

If the operator wished, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the Authorized Officer will assume responsibility for whatever recordation and stabilization of the exposed materials that may be required. Otherwise, the operator will be responsible for mitigation costs. The Authorized Officer will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the Authorized Officer that required mitigation has been completed, the operator will then be allowed to resume construction.

- B. As operator, EOG Resources, Inc. will control noxious weeds along Right-of-Ways for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds will be obtained from the BLM administered land, a Pesticide Use proposal shall be submitted, and given approval, prior to the application of herbicides or other pesticides or possible hazardous chemicals.
- C. Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on BLM lands after the conclusion of drilling operations or at any other time without BLM authorization. However, if BLM authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities. (The BLM does not seek to compete with private industry. There are commercial facilities available for stacking and storing drilling rigs.)
- D. The drilling rig and ancillary equipment will be removed from the location prior to commencement of completion operations. Completion operations will be conducted utilizing a completion/workover rig.

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 of Lessees. The operator is 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.

Construction activity will not be conducted using frozen or saturated soils material or during periods when watershed damage is likely to occur.

If the existing access road, proposed access road, and proposed pad are dry during construction, drilling, and completion activities, water will be applied, as needed, to help facilitate compaction during construction and to minimize soil loss as a result of wind erosion.

A cultural resources and paleontology survey will be conducted and submitted by Montgomery Archaeological Consultants.

***LESSEE OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:***

**PERMITTING AGENT**

Kaylene R. Gardner  
EOG Resources, Inc.  
1060 East Highway 40  
Vernal, Utah 84078  
(435) 781-9111

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 is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.

**CERTIFICATION:**

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by EOG Resources, Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

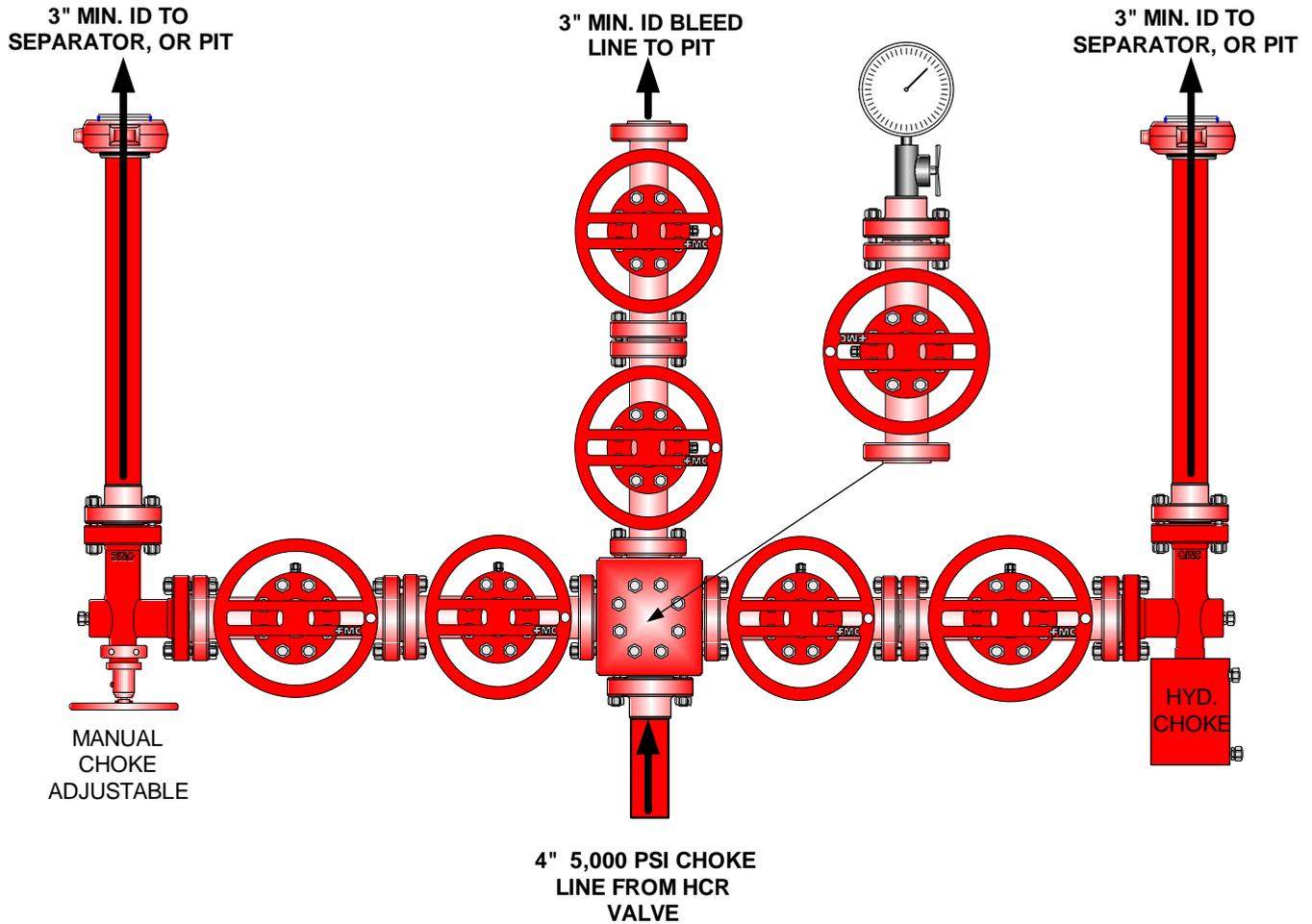
Please be advised that EOG Resources, Inc. is considered to be the operator of the East Chapita 106-16 Well, located in the SWSE, of Section 16, T9S, R23E, Uintah County, Utah; State land and minerals; and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond Coverage is under Bond # NM 2308.

July 11, 2009

Date

\_\_\_\_\_  
Kaylene R. Gardner, Regulatory Administrator

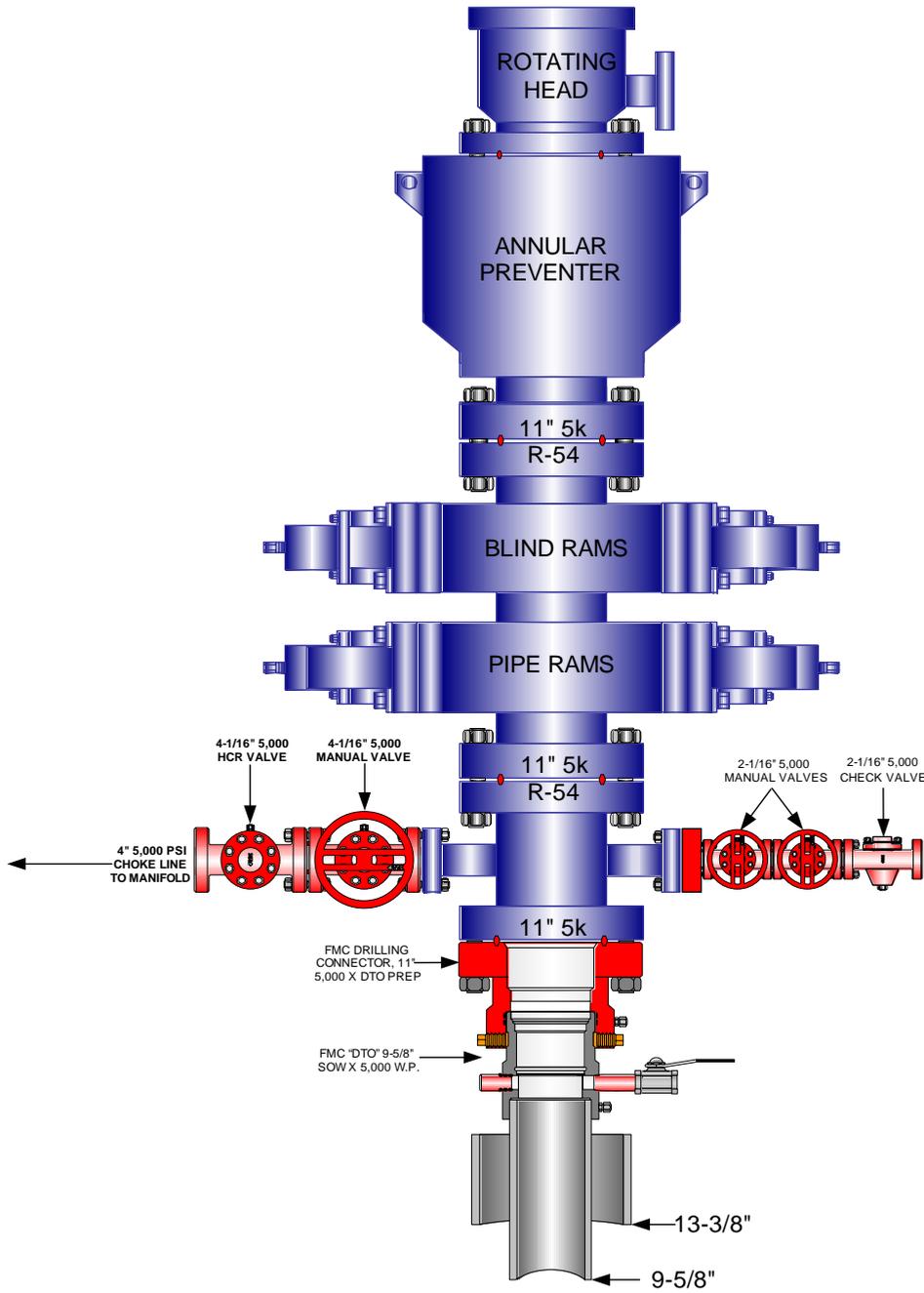
**EOG RESOURCES CHOKE MANIFOLD CONFIGURATION  
W/ 5,000 PSI WP VALVES**



Testing Procedure:

1. BOP will be tested with a professional tester to conform to Onshore Order #2.
2. Blind and Pipe rams will be tested to rated working pressure, 5,000 psi.
3. Annular Preventer will be tested to 50% working pressure, 2,500 psi.  
Casing will be tested to 0.22 psi / ft. or 1,500 psi. Not to exceed 70% of burst strength, **whichever is greater.**
4. All lines subject to well pressure will be tested to the same pressure as blind and pipe rams.
5. All BOPE specifications and configurations will meet Onshore Order #2 requirements.

**EOG RESOURCES 11" 5,000 PSI W.P. BOP  
CONFIGURATION**





Well Name	EOG Resources, Inc. EC 106-16 43047505530000		
String	Surf	Prod	
Casing Size(")	9.625	4.500	
Setting Depth (TVD)	2300	9070	
Previous Shoe Setting Depth (TVD)	0	2300	
Max Mud Weight (ppg)	10.5	10.5	
BOPE Proposed (psi)	0	5000	
Casing Internal Yield (psi)	3520	7780	
Operators Max Anticipated Pressure (psi)	4952	10.5	

Calculations	Surf String	9.625	"
Max BPH (psi)	$.052 * \text{Setting Depth} * \text{MW} =$	1256	
			<b>BOPE Adequate For Drilling And Setting Casing at Depth?</b>
MASP (Gas) (psi)	$\text{Max BHP} - (0.12 * \text{Setting Depth}) =$	980	NO
MASP (Gas/Mud) (psi)	$\text{Max BHP} - (0.22 * \text{Setting Depth}) =$	750	NO
			<b>*Can Full Expected Pressure Be Held At Previous Shoe?</b>
Pressure At Previous Shoe	$\text{Max BHP} - .22 * (\text{Setting Depth} - \text{Previous Shoe Depth}) =$	750	NO Reasonable depth in area
Required Casing/BOPE Test Pressure=		2300	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

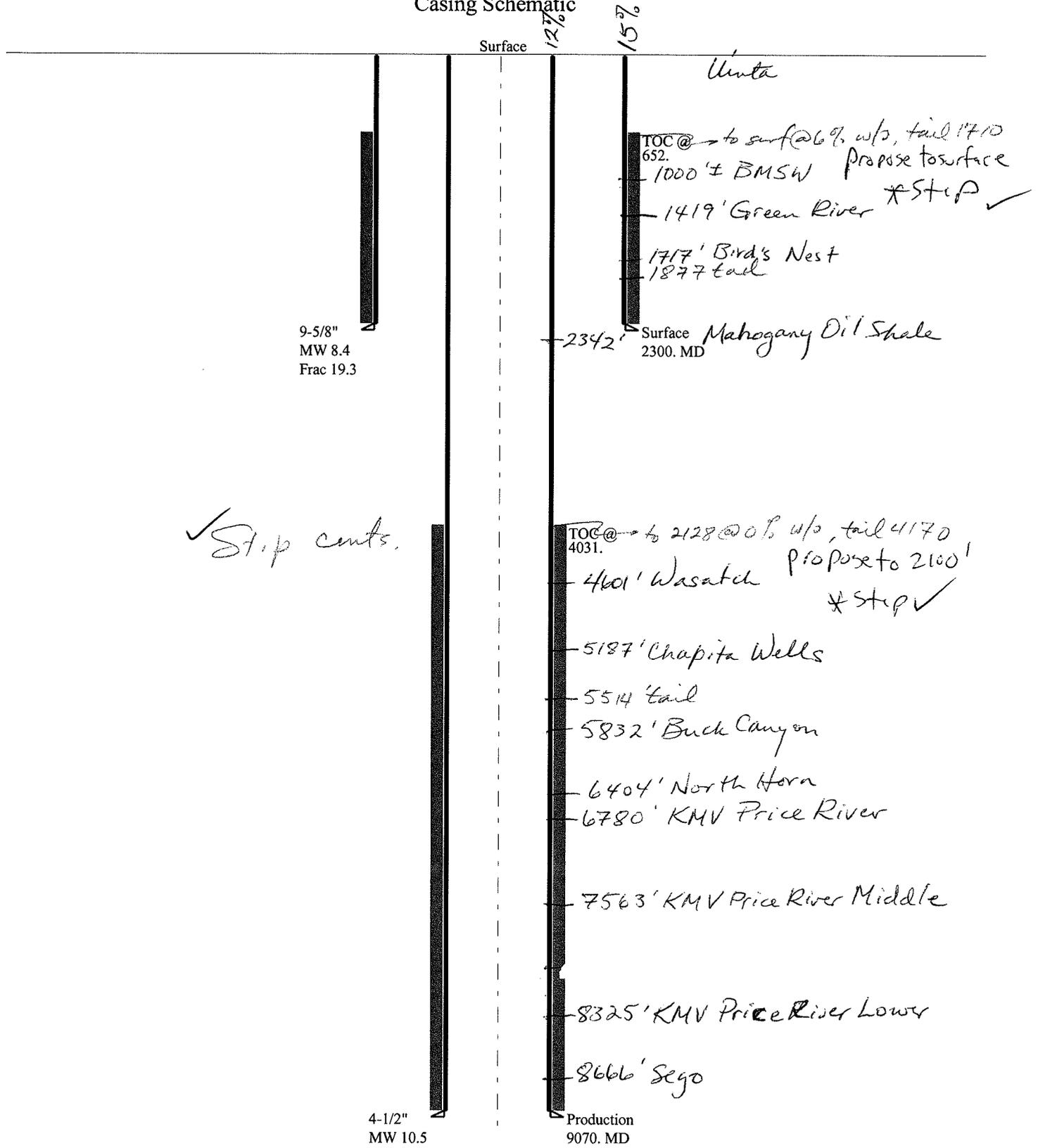
Calculations	Prod String	4.500	"
Max BPH (psi)	$.052 * \text{Setting Depth} * \text{MW} =$	4952	
			<b>BOPE Adequate For Drilling And Setting Casing at Depth?</b>
MASP (Gas) (psi)	$\text{Max BHP} - (0.12 * \text{Setting Depth}) =$	3864	YES
MASP (Gas/Mud) (psi)	$\text{Max BHP} - (0.22 * \text{Setting Depth}) =$	2957	YES OK
			<b>*Can Full Expected Pressure Be Held At Previous Shoe?</b>
Pressure At Previous Shoe	$\text{Max BHP} - .22 * (\text{Setting Depth} - \text{Previous Shoe Depth}) =$	3463	NO Reasonable
Required Casing/BOPE Test Pressure=		5000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		2300	psi *Assumes 1psi/ft frac gradient

Calculations	String		"
Max BPH (psi)	$.052 * \text{Setting Depth} * \text{MW} =$		
			<b>BOPE Adequate For Drilling And Setting Casing at Depth?</b>
MASP (Gas) (psi)	$\text{Max BHP} - (0.12 * \text{Setting Depth}) =$		NO
MASP (Gas/Mud) (psi)	$\text{Max BHP} - (0.22 * \text{Setting Depth}) =$		NO
			<b>*Can Full Expected Pressure Be Held At Previous Shoe?</b>
Pressure At Previous Shoe	$\text{Max BHP} - .22 * (\text{Setting Depth} - \text{Previous Shoe Depth}) =$		NO
Required Casing/BOPE Test Pressure=			psi
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient

Calculations	String		"
Max BPH (psi)	$.052 * \text{Setting Depth} * \text{MW} =$		
			<b>BOPE Adequate For Drilling And Setting Casing at Depth?</b>
MASP (Gas) (psi)	$\text{Max BHP} - (0.12 * \text{Setting Depth}) =$		NO
MASP (Gas/Mud) (psi)	$\text{Max BHP} - (0.22 * \text{Setting Depth}) =$		NO
			<b>*Can Full Expected Pressure Be Held At Previous Shoe?</b>
Pressure At Previous Shoe	$\text{Max BHP} - .22 * (\text{Setting Depth} - \text{Previous Shoe Depth}) =$		NO
Required Casing/BOPE Test Pressure=			psi
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient

# 43047505530000 EC 106-16

## Casing Schematic



✓ Stop cents.

Umta

TOC@ 652. → to surf @ 6% w/s, tail 1710  
1000 ± BMSW Propose to surface  
\*Stop ✓

1419' Green River  
1717' Bird's Nest  
1877' tail

2342' Surface Mahogany Oil Shale  
2300. MD

TOC@ 4031. → to 2128 @ 0% w/s, tail 4170  
4601' Wasatch Propose to 2100'  
\*Stop ✓

5187' Chapita Wells  
5514' tail  
5832' Buck Canyon  
6404' North Horn  
6780' KMV Price River  
7563' KMV Price River Middle  
8325' KMV Price River Lower  
8666' Sego

9-5/8"  
MW 8.4  
Frac 19.3

4-1/2"  
MW 10.5

Production  
9070. MD

Well name:	<b>43047505530000 EC 106-16</b>		Project ID:
Operator:	<b>EOG Resources, Inc.</b>		43-047-50553
String type:	Surface		
Location:	UINTAH COUNTY		

**Design parameters:**

**Collapse**

Mud weight: 8.400 ppg  
 Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
 Surface temperature: 74 °F  
 Bottom hole temperature: 106 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 100 ft  
 Cement top: 652 ft

**Burst**

Max anticipated surface pressure: 2,024 psi  
 Internal gradient: 0.120 psi/ft  
 Calculated BHP 2,300 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
 8 Round LTC: 1.70 (J)  
 Butress: 1.60 (J)  
 Premium: 1.50 (J)  
 Body yield: 1.50 (B)

Tension is based on air weight.  
 Neutral point: 2,014 ft

**Non-directional string.**

**Re subsequent strings:**

Next setting depth: 9,070 ft  
 Next mud weight: 10.500 ppg  
 Next setting BHP: 4,947 psi  
 Fracture mud wt: 19.250 ppg  
 Fracture depth: 2,300 ft  
 Injection pressure: 2,300 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	2300	9.625	36.00	J-55	ST&C	2300	2300	8.796	19991

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	1004	2020	2.013	2300	3520	1.53	82.8	394	4.76 J

Prepared by: Helen Sadik-Macdonald  
 Div of Oil, Gas & Mining

Phone: 801 538-5357  
 FAX: 801-359-3940

Date: August 6, 2009  
 Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 2300 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	<b>43047505530000 EC 106-16</b>		
Operator:	<b>EOG Resources, Inc.</b>		Project ID:
String type:	Production		43-047-50553
Location:	UINTAH COUNTY		

**Design parameters:**

**Collapse**

Mud weight: 10.500 ppg  
 Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
 Surface temperature: 74 °F  
 Bottom hole temperature: 201 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 100 ft  
 Cement top: 4,031 ft

**Burst**

Max anticipated surface pressure: 2,952 psi  
 Internal gradient: 0.220 psi/ft  
 Calculated BHP 4,947 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
 8 Round LTC: 1.80 (J)  
 Buttress: 1.60 (J)  
 Premium: 1.50 (J)  
 Body yield: 1.60 (B)

**Non-directional string.**

Tension is based on air weight.  
 Neutral point: 7,646 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	9070	4.5	11.60	N-80	LT&C	9070	9070	3.875	37354
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	4947	6350	1.284	4947	7780	1.57	105.2	223	2.12 J

Prepared by: Helen Sadik-Macdonald  
 Div of Oil, Gas & Mining

Phone: 801 538-5357  
 FAX: 801-359-3940

Date: August 6, 2009  
 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 9070 ft, a mud weight of 10.5 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

**From:** Jim Davis  
**To:** Bonner, Ed; Mason, Diana  
**CC:** Garrison, LaVonne; kaylene gardner  
**Date:** 3/11/2010 7:32 AM  
**Subject:** EOG approvals (3)

The following APDs have been approved by SITLA including arch and paleo clearance.

EC 102-16 (4304750551)  
EC 105-16 (4304750552)  
EC 106-16 (4304750553)

Thanks.  
-Jim

Jim Davis  
Utah Trust Lands Administration  
jimdavis1@utah.gov  
Phone: (801) 538-5156

# ON-SITE PREDRILL EVALUATION

## Utah Division of Oil, Gas and Mining

<b>Operator</b>	EOG RESOURCES, INC.				
<b>Well Name</b>	EC 106-16				
<b>API Number</b>	43047505530000	<b>APD No</b>	1758	<b>Field/Unit</b>	NATURAL BUTTES
<b>Location: 1/4,1/4</b>	SWSE	<b>Sec</b> 16	<b>Tw</b> 9.0S	<b>Rng</b> 23.0E	731 FSL 2629 FEL
<b>GPS Coord (UTM)</b>	642396	4432292	<b>Surface Owner</b>		

**Participants**

Floyd Bartlett (DOGM), Kaylene Gardner and Robert Wilkins (EOG), Ed Bonner (SITLA), Ben Williams (UDWR).

**Regional/Local Setting & Topography**

The general area is within the Coyote Wash Drainage. This drainage is a major drainage beginning near the Utah-Colorado border to the east and joining the White River approximately 6 miles to the southwest. The drainage consists of several significant side drainages. The drainage is dry except for ephemeral flows. No seeps or springs exist in the area. An occasional pond has been constructed to supply water for livestock and antelope. The topography is characterized by rolling hills, frequently divided by gentle to deep draws, which flow into Coyote Wash. The draws are often rimmed with steep side hills with exposed sand stone bedrock cliffs. Vernal, Utah is approximately 35 air miles and 55.3 road miles to the northwest. The area is accessed by Utah State, Uintah County and oilfield development Roads. Approximately 50 feet of new road will be constructed to reach the location.

The proposed E C 106-16 gas well location is within broken terrain that contains mounds intersected by gulleys. The site has a moderately gentle slope to the north. The pad is laid out in a south to north direction with excavation from the south, which begins near a small break in topography, moved northerly to construct the pad. The gulleys or draws within the site will be filled and no diversions are needed. The surrounding terrain, especially that to the east, has low hills with exposed sandstone outcrops. A prominent pointed hill to the east that is topped with a picturesque rock will be avoided. The main drainage which is a sub-drainage of Coyote Wash is to the northwest of the site. The existing road through the southwest corner of the site will be relocated to the west of the location. The selected site appears to be suitable for constructing a pad and drilling and operating a well.

Both the surface and minerals for this location are owned by SITLA. Mr. Ed Bonner of SITLA attended the pre-site evaluation and expressed no concerns.

**Surface Use Plan**

**Current Surface Use**

- Grazing
- Recreational
- Wildlife Habitat

<b>New Road Miles</b>	<b>Well Pad</b>	<b>Src Const Material</b>	<b>Surface Formation</b>
0.01	<b>Width</b> 256 <b>Length</b> 330	Onsite	UNTA

**Ancillary Facilities** N

**Waste Management Plan Adequate?**

**Environmental Parameters**

**Affected Floodplains and/or Wetlands** N

**Flora / Fauna**

Vegetation includes cheat grass, needle and thread grass, Gardner saltbrush, greasewood, hoalgeton, curly mesquite, sagebrush, shadscale, Indian ricegrass and spring annuals.

Antelope, coyote, small mammals and birds. Winter domestic sheep grazing

**Soil Type and Characteristics**

Soil is a rocky sandy loam.

**Erosion Issues** N

**Sedimentation Issues** N

**Site Stability Issues** N

**Drainage Diverson Required?** N

**Berm Required?** N

**Erosion Sedimentation Control Required?** N

**Paleo Survey Run?** Y **Paleo Potential Observed?** N **Cultural Survey Run?** Y **Cultural Resources?**

**Reserve Pit**

**Site-Specific Factors**

**Site Ranking**

<b>Distance to Groundwater (feet)</b>	100 to 200	5
<b>Distance to Surface Water (feet)</b>	>1000	0
<b>Dist. Nearest Municipal Well (ft)</b>	>5280	0
<b>Distance to Other Wells (feet)</b>	300 to 1320	10
<b>Native Soil Type</b>	Mod permeability	10
<b>Fluid Type</b>	Fresh Water	5
<b>Drill Cuttings</b>	Normal Rock	0
<b>Annual Precipitation (inches)</b>		0
<b>Affected Populations</b>		
<b>Presence Nearby Utility Conduits</b>	Not Present	0
	<b>Final Score</b>	30

1 Sensitivity Level

**Characteristics / Requirements**

Although the Location Layout Sheet (Figure 1) shows a reserve pit, at EOG's preference, the well will be drilled using a closed loop mud circulation system. A small bermed-up containment area will be constructed and lined with bentonite to hold the cuttings while drilling. Ed Bonner of SITLA stated the cutting could be disposed of on the site.

**Closed Loop Mud Required?** Y **Liner Required?** **Liner Thickness** **Pit Underlayment Required?**

**Other Observations / Comments**

Floyd Bartlett  
**Evaluator**

7/28/2009  
**Date / Time**

# Application for Permit to Drill Statement of Basis

3/11/2010

**Utah Division of Oil, Gas and Mining**

Page 1

<b>APD No</b>	<b>API WellNo</b>	<b>Status</b>	<b>Well Type</b>	<b>Surf Owner</b>	<b>CBM</b>
1758	43047505530000	SITLA	GW	S	No
<b>Operator</b>	EOG RESOURCES, INC.		<b>Surface Owner-APD</b>		
<b>Well Name</b>	EC 106-16		<b>Unit</b>		
<b>Field</b>	NATURAL BUTTES		<b>Type of Work</b>		DRILL
<b>Location</b>	SWSE 16 9S 23E S 731 FSL 2629 FEL GPS Coord (UTM) 642396E 4432295N				

**Geologic Statement of Basis**

EOG proposes to set 2,300 feet of surface casing cemented to the surface. The base of the moderately saline water is estimated at approximately 1,000 feet. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the proposed location. The surface formation at this location is the Uinta Formation. The Uinta Formation is made up of discontinuous sands interbedded with shales and are not expected to produce prolific aquifers. The proposed surface casing should adequately protect any near surface aquifers.

Brad Hill  
**APD Evaluator**

8/4/2009  
**Date / Time**

**Surface Statement of Basis**

The general area is within the Coyote Wash Drainage. This drainage is a major drainage beginning near the Utah-Colorado border to the east and joining the White River approximately 6 miles to the southwest. The drainage consists of several significant side drainages. The drainage is dry except for ephemeral flows. No seeps or springs exist in the area. An occasional pond has been constructed to supply water for livestock and antelope. The topography is characterized by rolling hills, frequently divided by gentle to deep draws, which flow into Coyote Wash. The draws are often rimmed with steep side hills with exposed sand stone bedrock cliffs. Vernal, Utah is approximately 35 air miles and 55.3 road miles to the northwest. The area is accessed by Utah State, Uintah County and oilfield development Roads. Approximately 50 feet of new road will be constructed to reach the location.

The proposed E C 106-16 gas well location is within broken terrain that contains mounds intersected by gulleys. The site has a moderately gentle slope to the north. The pad is laid out in a south to north direction with excavation from the south, which begins near a small break in topography, moved northerly to construct the pad. The gulleys or draws within the site will be filled and no diversions are needed. The surrounding terrain, especially that to the east, has low hills with exposed sandstone outcrops. A prominent pointed hill to the east that is topped with a picturesque rock will be avoided. The main drainage which is a sub-drainage of Coyote Wash is to the northwest of the site. The existing road through the southwest corner of the site will be relocated to the west of the location. The selected site appears to be suitable for constructing a pad and drilling and operating a well.

Both the surface and minerals for this location are owned by SITLA. Mr. Ed Bonner of SITLA attended the pre-site evaluation and expressed no concerns. SITLA is to be contacted for reclamation standards including seed mixes to be used when reclaiming any of the site.

Mr. Ben Williams of the Utah Division of Wildlife Resources attended the evaluation. Mr. Williams stated the area is classified as crucial yearlong habitat for antelope. He however recommended no stipulations for this species as the loss of forage from this location is not significant and water not forage is the factor limiting the herd population in the area. No other wildlife is expected to be affected. He gave Kaylene Gardner, representing EOG Resources, a copy of his evaluation

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# Application for Permit to Drill Statement of Basis

3/11/2010

Utah Division of Oil, Gas and Mining

Page 2

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Although the Location Layout Sheet (Figure 1) shows a reserve pit, at EOG's preference, the well will be drilled using a closed loop mud circulation system. A small bermed-up containment area will be constructed and lined with bentonite to hold the cuttings while drilling. Ed Bonner of SITLA stated the cutting could be disposed of on the site.

Floyd Bartlett  
**Onsite Evaluator**

7/28/2009  
**Date / Time**

**Conditions of Approval / Application for Permit to Drill**

<b>Category</b>	<b>Condition</b>
Pits	A closed loop mud circulation system is required for this location.

# WORKSHEET APPLICATION FOR PERMIT TO DRILL

**APD RECEIVED:** 7/13/2009

**API NO. ASSIGNED:** 43047505530000

**WELL NAME:** EC 106-16

**OPERATOR:** EOG Resources, Inc. (N9550)

**PHONE NUMBER:** 435 781-9111

**CONTACT:** Kaylene Gardner

**PROPOSED LOCATION:** SWSE 16 090S 230E

**Permit Tech Review:**

**SURFACE:** 0731 FSL 2629 FEL

**Engineering Review:**

**BOTTOM:** 0731 FSL 2629 FEL

**Geology Review:**

**COUNTY:** UINTAH

**LATITUDE:** 40.03076

**LONGITUDE:** -109.33115

**UTM SURF EASTINGS:** 642396.00

**NORTHINGS:** 4432295.00

**FIELD NAME:** NATURAL BUTTES

**LEASE TYPE:** 3 - State

**LEASE NUMBER:** ML47045

**PROPOSED PRODUCING FORMATION(S):** WASATCH-MESA VERDE

**SURFACE OWNER:** 3 - State

**COALBED METHANE:** NO

## RECEIVED AND/OR REVIEWED:

- PLAT
- Bond: STATE/FEE - 6191017
- Potash
- Oil Shale 190-5
- Oil Shale 190-3
- Oil Shale 190-13
- Water Permit: 49-225
- RDCC Review:
- Fee Surface Agreement
- Intent to Commingle

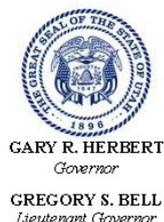
Commingle Approved

## LOCATION AND SITING:

- R649-2-3.
- Unit:
- R649-3-2. General
- R649-3-3. Exception
- Drilling Unit
- Board Cause No: Cause 179-15
- Effective Date: 7/17/2008
- Siting: 460' fr exterior lease boundary
- R649-3-11. Directional Drill

**Comments:** Presite Completed

**Stipulations:** 5 - Statement of Basis - bhill  
12 - Cement Volume (3) - ddoucet  
25 - Surface Casing - ddoucet



# 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:** EC 106-16  
**API Well Number:** 43047505530000  
**Lease Number:** ML47045  
**Surface Owner:** STATE  
**Approval Date:** 3/11/2010

### Issued to:

EOG Resources, Inc., 1060 East Highway 40, Vernal, UT 84078

### 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 179-15. 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

### 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:

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Cement volume for the 4 1/2" production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 2100' MD as indicated in the submitted drilling plan.

Surface casing shall be cemented to the surface.

### Additional Approvals:

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan – contact Dustin Doucet
- Significant plug back of the well – contact Dustin Doucet
- Plug and abandonment of the well – contact Dustin Doucet

### 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  
OR  
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <https://oilgas.ogm.utah.gov>
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program – contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well – contact Dan Jarvis

**Contact Information:**

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

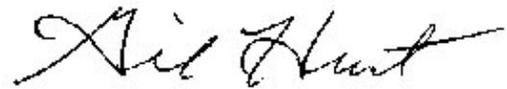
- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office  
801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office  
801-231-8956 - after office hours

**Reporting Requirements:**

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

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

**Approved By:**



Gil Hunt  
Associate Director, Oil & Gas

**DIVISION OF OIL, GAS AND MINING**

**SPUDDING INFORMATION**

Name of Company: EOG RESOURCES INC

Well Name: EC 106-16

Api No: 43-047-50553 Lease Type: STATE

Section 16 Township 09S Range 23E County UINTAH

Drilling Contractor CRAIG'S ROUSTABOUT SERV RIG # BUCKET

**SPUDDED:**

Date 04/22//2010

Time 8:00 AM

How DRY

**Drilling will Commence:** \_\_\_\_\_

Reported by DAVID BRINKEHOFF

Telephone # (435) 621-2421

Date 04/22/2010 Signed CHD

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML47045
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  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.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> EC 106-16
<b>2. NAME OF OPERATOR:</b> EOG Resources, Inc.	<b>9. API NUMBER:</b> 43047505530000
<b>3. ADDRESS OF OPERATOR:</b> 1060 East Highway 40 , Vernal, UT, 84078	<b>PHONE NUMBER:</b> 435 781-9111 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0731 FSL 2629 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSE Section: 16 Township: 09.0S Range: 23.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES  <b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input checked="" type="checkbox"/> <b>SPUD REPORT</b> Date of Spud: 4/22/2010	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> 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:

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

The referenced well was spud on 4/22/2010.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 April 26, 2010

<b>NAME (PLEASE PRINT)</b> Mickenzie Gates	<b>PHONE NUMBER</b> 435 781-9145	<b>TITLE</b> Operations Clerk
<b>SIGNATURE</b> N/A	<b>DATE</b> 4/26/2010	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  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.	<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML47045
	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> EC 106-16
<b>2. NAME OF OPERATOR:</b> EOG Resources, Inc.	<b>9. API NUMBER:</b> 43047505530000
<b>3. ADDRESS OF OPERATOR:</b> 1060 East Highway 40 , Vernal, UT, 84078	<b>PHONE NUMBER:</b> 435 781-9111 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0731 FSL 2629 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSE Section: 16 Township: 09.0S Range: 23.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES  <b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> <b>DRILLING REPORT</b> Report Date: 4/22/2010	<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:

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

No activity has occurred since spud on 4/22/2010.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 April 26, 2010

<b>NAME (PLEASE PRINT)</b> Mickenzie Gates	<b>PHONE NUMBER</b> 435 781-9145	<b>TITLE</b> Operations Clerk
<b>SIGNATURE</b> N/A	<b>DATE</b> 4/26/2010	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  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.	<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML47045
	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> EC 106-16
<b>2. NAME OF OPERATOR:</b> EOG Resources, Inc.	<b>9. API NUMBER:</b> 43047505530000
<b>3. ADDRESS OF OPERATOR:</b> 1060 East Highway 40 , Vernal, UT, 84078	<b>PHONE NUMBER:</b> 435 781-9111 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0731 FSL 2629 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSE Section: 16 Township: 09.0S Range: 23.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES  <b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH

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

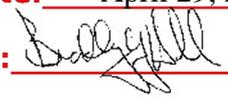
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 4/22/2010	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> 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 checked="" 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:

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

EOG Resources, Inc. respectfully requests authorization for the disposal of produced water at the following locations: 1. NBU 20-20B SWD 2. CWU 550-30N SWD 3. CWU 2-29 SWD 4. Red Wash Evaporation Ponds 1,2,3,4,5,6&7 5. White River Evaporation Ponds 1&2 6. RNI Disposal 7. Hoss SWD Wells ROW# UTU86010 & UTU897093

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

Date: April 29, 2010

By: 

<b>NAME (PLEASE PRINT)</b> Mckenzie Gates	<b>PHONE NUMBER</b> 435 781-9145	<b>TITLE</b> Operations Clerk
<b>SIGNATURE</b> N/A	<b>DATE</b> 4/26/2010	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  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.	<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML47045
	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> EC 106-16
<b>2. NAME OF OPERATOR:</b> EOG Resources, Inc.	<b>9. API NUMBER:</b> 43047505530000
<b>3. ADDRESS OF OPERATOR:</b> 1060 East Highway 40 , Vernal, UT, 84078	<b>PHONE NUMBER:</b> 435 781-9111 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0731 FSL 2629 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSE Section: 16 Township: 09.0S Range: 23.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES  <b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> <b>DRILLING REPORT</b> Report Date: 6/11/2010	<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 checked="" type="checkbox"/> <b>PRODUCTION START OR RESUME</b>	<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:

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

The referenced well was turned to sales on 6/11/2010. Please see the attached operations summary report for drilling and completion operations performed on the subject well.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 June 15, 2010

<b>NAME (PLEASE PRINT)</b> Mickenzie Gates	<b>PHONE NUMBER</b> 435 781-9145	<b>TITLE</b> Operations Clerk
<b>SIGNATURE</b> N/A	<b>DATE</b> 6/14/2010	

## WELL CHRONOLOGY REPORT

Report Generated On: 06-14-2010

<b>Well Name</b>	ECW 106-16	<b>Well Type</b>	DEVG	<b>Division</b>	DENVER
<b>Field</b>	CHAPITA DEEP	<b>API #</b>	43-047-50553	<b>Well Class</b>	COMP
<b>County, State</b>	UINTAH, UT	<b>Spud Date</b>	05-12-2010	<b>Class Date</b>	06-11-2010
<b>Tax Credit</b>	N	<b>TVD / MD</b>	9,070/ 9,070	<b>Property #</b>	064409
<b>Water Depth</b>	0	<b>Last CSG</b>	2.375	<b>Shoe TVD / MD</b>	0/ 0
<b>KB / GL Elev</b>	5,016/ 5,000				
<b>Location</b>	Section 16, T9S, R23E, SWSE, 731 FSL & 2629 FEL				

<b>Event No</b>	1.0	<b>Description</b>	DRILL & COMPLETE		
<b>Operator</b>	EOG RESOURCES, INC	<b>WI %</b>	100.0	<b>NRI %</b>	81.0

<b>AFE No</b>	306723	<b>AFE Total</b>	1,461,000	<b>DHC / CWC</b>	575,800/ 885,200
<b>Rig Contr</b>	TRUE	<b>Rig Name</b>	TRUE #34	<b>Start Date</b>	09-14-2009
<b>09-14-2009</b>	<b>Reported By</b>	CYNTHIA HANSELMAN			
<b>Daily Costs: Drilling</b>	\$0	<b>Completion</b>	\$0	<b>Daily Total</b>	\$0
<b>Cum Costs: Drilling</b>	\$0	<b>Completion</b>	\$0	<b>Well Total</b>	\$0
<b>MD</b>	0	<b>TVD</b>	0	<b>Progress</b>	0
<b>Days</b>	0	<b>MW</b>	0.0	<b>Visc</b>	0.0
<b>Formation :</b>	<b>PBTD : 0.0</b>		<b>Perf :</b>	<b>PKR Depth : 0.0</b>	

Activity at Report Time: LOCATION DATA

Start	End	Hrs	Activity Description
06:00	06:00	24.0	LOCATION DATA
			731 FSL & 2629' FEL (SW/SE)
			SECTION 16, T9S, R23E
			UINTAH COUNTY, UTAH
			LAT 40.030703, LONG 109.331906 (NAD 83)
			LAT 40.030736, LONG 109.331228 (NAD 27)
			TRUE #34
			OBJECTIVE: 9070' TD, MESAVERDE
			DW/GAS
			EAST CHAPITA PROSPECT
			DD&A: CHAPITA DEEP
			NATURAL BUTTES FIELD
			LEASE: ML-47045
			ELEVATION: 5004.4' NAT GL, 4999.7' PREP GL (DUE TO ROUNDING THE PREP GL WILL BE 5000'), 5019' KB (19')
			EOG WI 100%, NRI 81.0%

04-09-2010      **Reported By**      TERRY CSERE

**DailyCosts: Drilling**      \$75,000                      **Completion**      \$0                      **Daily Total**      \$75,000  
**Cum Costs: Drilling**      \$75,000                      **Completion**      \$0                      **Well Total**      \$75,000  
**MD**              0      **TVD**              0      **Progress**              0      **Days**              0      **MW**              0.0      **Visc**              0.0  
**Formation :**                      **PBTD : 0.0**                      **Perf :**                      **PKR Depth : 0.0**

Activity at Report Time: BUILD LOCATION

Start	End	Hrs	Activity Description
06:00	06:00	24.0	LOCATION STARTED, 4/9/2010.

04-12-2010      Reported By      TERRY CSERE

**DailyCosts: Drilling**      \$0                      **Completion**      \$0                      **Daily Total**      \$0  
**Cum Costs: Drilling**      \$75,000                      **Completion**      \$0                      **Well Total**      \$75,000  
**MD**              0      **TVD**              0      **Progress**              0      **Days**              0      **MW**              0.0      **Visc**              0.0  
**Formation :**                      **PBTD : 0.0**                      **Perf :**                      **PKR Depth : 0.0**

Activity at Report Time: BUILD LOCATION

Start	End	Hrs	Activity Description
06:00	06:00	24.0	LOCATION 30% COMPLETE.

04-13-2010      Reported By      TERRY CSERE

**DailyCosts: Drilling**      \$0                      **Completion**      \$0                      **Daily Total**      \$0  
**Cum Costs: Drilling**      \$75,000                      **Completion**      \$0                      **Well Total**      \$75,000  
**MD**              0      **TVD**              0      **Progress**              0      **Days**              0      **MW**              0.0      **Visc**              0.0  
**Formation :**                      **PBTD : 0.0**                      **Perf :**                      **PKR Depth : 0.0**

Activity at Report Time: BUILD LOCATION

Start	End	Hrs	Activity Description
06:00	06:00	24.0	LOCATION 40% COMPLETE.

04-14-2010      Reported By      TERRY CSERE

**DailyCosts: Drilling**      \$0                      **Completion**      \$0                      **Daily Total**      \$0  
**Cum Costs: Drilling**      \$75,000                      **Completion**      \$0                      **Well Total**      \$75,000  
**MD**              0      **TVD**              0      **Progress**              0      **Days**              0      **MW**              0.0      **Visc**              0.0  
**Formation :**                      **PBTD : 0.0**                      **Perf :**                      **PKR Depth : 0.0**

Activity at Report Time: BUILD LOCATION

Start	End	Hrs	Activity Description
06:00	06:00	24.0	ROCKED OUT DRILLING. SHOOT TOMORROW.

04-15-2010      Reported By      TERRY CSERE

**DailyCosts: Drilling**      \$0                      **Completion**      \$0                      **Daily Total**      \$0  
**Cum Costs: Drilling**      \$75,000                      **Completion**      \$0                      **Well Total**      \$75,000  
**MD**              0      **TVD**              0      **Progress**              0      **Days**              0      **MW**              0.0      **Visc**              0.0  
**Formation :**                      **PBTD : 0.0**                      **Perf :**                      **PKR Depth : 0.0**

Activity at Report Time: BUILD LOCATION

Start	End	Hrs	Activity Description
06:00	06:00	24.0	SHOOTING TODAY.

04-16-2010      Reported By      TERRY CSERE



MIRU: HALLIBURTON CEMENTERS. HELD SAFETY MEETING. PRESSURE TESTED LINES AND CEMENT VALVE TO 3130 PSIG. PUMPED 170 BBLs FRESH WATER & 20 BBLs GELLED WATER FLUSH AHEAD OF CEMENT. LEAD: MIXED AND PUMPED 250 SACKS (183 BBLs) OF PREMIUM LEAD CEMENT 10.5 PPG, YIELD 4.1 WITH 0.2% VARSET, 2% CALSEAL, AND 2% EX-1. TAIL: MIXED AND PUMPED 300 SACKS (63 BBLs) OF PREMIUM CEMENT W/ 2% CACL MIXED CEMENT @ 15.6 PPG W/ YIELD OF 1.18 CF/SX. DISPLACED CEMENT W/183 BBLs FRESH WATER. FCP 360 PSI, BUMPED PLUG W/1200# @ 23:38 PM 04/29/10 FLOATS HELD. NO RETURNS OF CEMENT TO SURFACE. PARTIAL RETURNS DURING DISPLACEMENT. WOC 3 HOURS.

TOP JOB # 1: DOWN 200' OF 1' PIPE, MIXED & PUMPED 100 SX (20.4 BBLs) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. LOST RETURNS 18 BBL'S IN TO TOP OUT. WAIT ON CEMENT 2.5 HOURS.

TOP JOB # 2: MIXED & PUMPED 100 SX (20.4 BBLs) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. CEMENT TO SURFACE. HOLE FULL AND STAIC. OBSERVE WELL 1.5 HOUR WHILE RIGGING DOWN.

PREPARED LOCATION FOR ROTARY RIG. WORT. WILL DROP FROM REPORT UNTIL FURTHER ACTIVITY.

CRAIGS RIG 3 TOOK SURVEYS WHILE DRILLING HOLE @ 1500' = 1 DEGREE, 2010' = 2 DEGREES AND 2310' = 3 DEGREES.

KERRY SALE NOTIFIED THE BLM VIA EMAIL OF THE SURFACE CASING & CEMENT JOB ON 04/28/10 @ 11:00 PM. KERRY SALES NOTIFIED CAROL DANIELS WITH UDOGM OF THE SURFACE CASING AND CEMENT VIA PHONE ON 04/28/10 AT 11:00 PM. STATE AND BLM NOTIFIED ON 04/27/2010 @ 10:00 HOURS.

<b>05-12-2010</b>	<b>Reported By</b>	GLEN PRUET									
<b>Daily Costs: Drilling</b>	\$110,448	<b>Completion</b>	\$0	<b>Daily Total</b>	\$110,448						
<b>Cum Costs: Drilling</b>	\$380,101	<b>Completion</b>	\$0	<b>Well Total</b>	\$380,101						
<b>MD</b>	2,430	<b>TVD</b>	2,430	<b>Progress</b>	0	<b>Days</b>	0	<b>MW</b>	0.0	<b>Visc</b>	0.0
<b>Formation :</b>	<b>PBTD : 0.0</b>			<b>Perf :</b>	<b>PKR Depth : 0.0</b>						

**Activity at Report Time:** DRILLING CEMENT & FLOATS

<b>Start</b>	<b>End</b>	<b>Hrs</b>	<b>Activity Description</b>
06:00	10:00	4.0	MIRU/RDMO DERRICK LAID OVER AT 07:00 HRS.
10:00	14:30	4.5	RURT MOVED 0.5 MILE WITH 7 TRUCKS, 2 FORK LIFTS, 1 CRANE, 10 MAN RIG CREW
14:30	20:30	6.0	RURT. RAISED DERRICK AT 14:30 HRS. TRUCKS RELEASED @ 15:00 HRS. RIG ACCEPTED ON DAYWORK @ 20:30 HRS, 5-11-2010.
20:30	23:30	3.0	PJSM WITH B & C QUICK TEST, INC. RU AND TEST PIPE RAMS, BLIND RAMS, HCR, CHOKE LINES, MANIFOLD, KILL LINE VALVES, UPPER & LOWER KELLY & INSIDE BOP 250 LOW/ 5000 PSI HI, 10 MINUTES. TEST ANNULAR PREVENTER 250/2500 PSI FOR 10 MINUTES.
23:30	00:00	0.5	TEST CASING TO 1500 PSI FOR 30 MINUTES. NO BLM OR STATE REP ON LOCATION TO WITNESS TEST. BLM NOTIFIED VIA EMAIL AND UDOGM (CAROL DANIELS VOICE MAIL) RE: BOP TEST ON 5/10/10 15:00 HRS.
00:00	00:30	0.5	INSTALL WEAR BUSHING
00:30	04:00	3.5	PJSM WITH WEATHERFORD TRS & CREW. R/U LAY DOWN MACHINE & PU BHA AND PIPE.
04:00	05:00	1.0	INSTALL ROTATING HEAD RUBBER AND DRIVE BUSHING.
05:00	06:00	1.0	DRLG FLTS & CMT (TAG CEMENT @ 2365').

FULL CREWS, NO ACCIDENTS.

SAFETY MEETING TOPIC: RURT, TEST BOPE, & PU BHA

TRANSFER IN; 185' (5 JTS) 11.6# N-80 LTC CSG. & (2 MKR. JT) 22.76' P-110 11.6#.

TRANSFER IN; 4104 GALLONS DIESEL FUEL, 2.89/GALLON.  
 RECEIVED 4500 GALS DIESEL @ \$ 2.87/GAL  
 USABLE FUEL 8094 GALS. USED 510 GALS.  
 WEATHER; TEMP 34 DEG. DUEPOINT 32 DEG. WIND CALM, LIGHT RAIN, 9 MI. VIS

**05-13-2010**      **Reported By**      GLEN PRUET/D. BRINKERHOFF

**Daily Costs: Drilling**      \$26,366      **Completion**      \$0      **Daily Total**      \$26,366

**Cum Costs: Drilling**      \$406,467      **Completion**      \$0      **Well Total**      \$406,467

**MD**      4,775      **TVD**      4,775      **Progress**      2,345      **Days**      2      **MW**      10.6      **Visc**      35.0

**Formation :**      **PBTD : 0.0**      **Perf :**      **PKR Depth : 0.0**

**Activity at Report Time:** DRILLING @ 4775'

Start	End	Hrs	Activity Description
06:00	06:30	0.5	PERFORM FIT @ 2440' WITH 10.6 PPG MUD, 300 PSI SIP = 12.9 PPG EMW. SPUD @ 06:30 HRS. 5/12/2010.
06:30	13:00	6.5	DRILL 2440' TO 3204', ROP=117.5 FPH, WOB=16-20K, RPM=55-62+73MM, SPP=1950-2150, DP=150-350.
13:00	13:30	0.5	SERVICE RIG. SURVEY @ 3137', 3.52 DEGREES
13:30	19:15	5.75	DRILL 3204'-3935', (731') ROP=133 FPH, SPP=2150-2350, DP=200-350, RPM=54-60+73MM, 121 SPM, 454 GPM
19:15	19:45	0.5	SURVEY @ 3889'=3 DEGREES
19:45	20:30	0.75	DRILL 3935'-4041' (106'), ROP=141 FPH, WOB=20K, DP=350, SPP=2350, ROP=60+73MM
20:30	22:30	2.0	DRILL 4041'-4132' (91'), ROP=46 FPH, WOB=18-20K, SPP=2225, DP=140, RPM=50+73MM
22:30	02:15	3.75	DRILL 4132'-4502', (370'), ROP=99 FPH, WOB=20K, SPP=2350, DP=250-350 RPM=52+73MM
02:15	02:45	0.5	SURVEY @ 4457', 2.85 DEGREES
02:45	06:00	3.25	DRILL 4502'-4775' (273'), ROP=84 FPH, WOB=20K, RPM=53+73MM, DP=175-350, SPP=2275-2450 WASATCH @ 4604', CHAPITA WELLS @ 5190' FULL CREWS NO INCIDENTS MW=10.6, VIS=38 SAFETY MEETING-PROPER USE OF PPE FUEL=6728 USED=2007

**05-14-2010**      **Reported By**      D. BRINKERHOFF

**Daily Costs: Drilling**      \$39,982      **Completion**      \$0      **Daily Total**      \$39,982

**Cum Costs: Drilling**      \$446,449      **Completion**      \$0      **Well Total**      \$446,449

**MD**      6,117      **TVD**      6,117      **Progress**      1,342      **Days**      2      **MW**      10.8      **Visc**      39.0

**Formation :**      **PBTD : 0.0**      **Perf :**      **PKR Depth : 0.0**

**Activity at Report Time:** DRILLING @ 6,117'

Start	End	Hrs	Activity Description
06:00	11:30	5.5	DRILL 4775'-5190' (415') ROP=75 FPH, SPP=2275-2400, DP=250-400, WOB=18-21K, RPM=54+71MM WASATCH @ 4604', CHAPITA WELLS @ 5190'.
11:30	17:00	5.5	DRILL 5190'-5516' (326') ROP=59 FPH, SPP=2250-2400, DP=150-300, WOB=18-21 K, RPM=46-57+ 70MM.
17:00	17:30	0.5	SERVICE RIG, SURVEY @ 5449', 3.39 DEGREES.
17:30	23:00	5.5	DRILL 5516'-5837' (321') ROP=58 FPH, SPP=2325, DP=200-300, WOB=20k, RPM=52-55+70MM, BUCK CANYON @ 5835'.
23:00	06:00	7.0	DRILL 5837'-6117' (280') ROP=40 FPH, SPP=2300, DP=150-300, WOB=20K, RPM=45-55+70MM.  FULL CREWS, NO INCIDENTS FUEL=5244, USED 1484

SAFETY:BLIND SPOTS, WORKING AROUND HEAVY EQUIPMENT  
MW 11.0 VIS 39

**05-15-2010**      **Reported By**      D. BRINKERHOFF

**DailyCosts: Drilling**      \$23,985      **Completion**      \$0      **Daily Total**      \$23,985

**Cum Costs: Drilling**      \$470,435      **Completion**      \$0      **Well Total**      \$470,435

**MD**      6,910      **TVD**      6,910      **Progress**      793      **Days**      3      **MW**      11.0      **Visc**      39.0

**Formation :**      **PBTD : 0.0**      **Perf :**      **PKR Depth : 0.0**

**Activity at Report Time:** DRILLING @ 6910'

Start	End	Hrs	Activity Description
06:00	15:30	9.5	DRILL 6117'-6407' (290'), ROP=31 FPH, SPP=2250-2350, DP=150-300, WOB=20K , RPM=43-50+68 NORTH HORN @ 6407'
15:30	16:00	0.5	SERVICE RIG
16:00	22:30	6.5	DRILL 6407'-6654' (247') ROP=38 FPH, WOB=16-24K, SPP=2175-2400, DP=100-300, RPM=37-45+70 UPPER PRICE RIVER @ 6783'
22:30	02:30	4.0	DRILL 6654'-6794' (140') ROP=35 FPH, SPP=2325-2425, DP=175-300, WOB=19-22K, RPM=43-48+68 MM MIDDLE PRICE RIVER @ 7566'
02:30	06:00	3.5	DRILL 6794'-6910' (116') ROP=33 FPH, WOB=19-23K, SPP=2225-2350, DP=175-250, RPM=46+67MM.  FUEL=3876 USED=1368 SAFETY: DRIVING TO AND FROM LOCATION MW=11.1 VIS 39

**05-16-2010**      **Reported By**      D. BRINKERHOFF

**DailyCosts: Drilling**      \$55,359      **Completion**      \$0      **Daily Total**      \$55,359

**Cum Costs: Drilling**      \$525,794      **Completion**      \$0      **Well Total**      \$525,794

**MD**      7,415      **TVD**      7,415      **Progress**      503      **Days**      4      **MW**      11.4      **Visc**      40.0

**Formation :**      **PBTD : 0.0**      **Perf :**      **PKR Depth : 0.0**

**Activity at Report Time:** DRILLING @ 7415'

Start	End	Hrs	Activity Description
06:00	08:00	2.0	DRILL 6910'-7004' (94') ROP=47 FPH, WOB=23K, SPP=2300-2400, DP=150-300, RPM=38-44+67MM UPPER PRICE RIVER @ 6783', MIDDLE PRICE RIVER @ 7566'
08:00	08:30	0.5	RIG SERVICE, BUILD DRY PILL
08:30	09:00	0.5	DROP SURVEY, PUMP DRY PILL, SURVEY @ 7000' 3.16 DEGREES
09:00	10:00	1.0	TRIP 7004' TO 5218'
10:00	16:00	6.0	WORK TIGHT HOLE 5218'-4500', TRIP OUT OF HOLE
16:00	17:00	1.0	LAY DOWN REAMERS, BIT #1, CHANGE OUT MUD MOTOR & BIT
17:00	20:30	3.5	TIH, TIGHT @ 4549'-4643', WASH 6839'-7004, 30' OF FILL
20:30	06:00	9.5	DRILL 7004'-7415' (409') ROP=43 FPH, WOB=21-23K, SPP=2300-2450, DP=200-300, RPM=42-45+63MM.  FUEL=6042 USED=1034 RECEIVED=3200 SAFETY:DRIVING TO AND FROM WORK/SAFE EQUIPMENT USAGE MW=11.4 VIS 39.

**05-17-2010**      **Reported By**      D. BRINKERHOFF

**DailyCosts: Drilling**      \$21,585      **Completion**      \$0      **Daily Total**      \$21,585

**Cum Costs: Drilling** \$547,379 **Completion** \$0 **Well Total** \$547,379  
**MD** 8,635 **TVD** 8,635 **Progress** 1,220 **Days** 5 **MW** 11.6 **Visc** 40.0  
**Formation :** **PBTD : 0.0** **Perf :** **PKR Depth : 0.0**

**Activity at Report Time:** DRILLING @ 8635'

Start	End	Hrs	Activity Description
06:00	08:00	2.0	DRILL FROM 7416' - 7566' (150') ROP=75 FPH, SPP=2280, DP=150-400, WOB=16-23, RPM=39-46+67MM MIDDLE PRICE RIVER 7566' LOWER PRICE RIVER 8328', SEGO 8869'
08:00	12:30	4.5	DRILL 7566'-7871' (305'), ROP=68 FPH, SPP=2275, DP=200-450, WOB=20-22K, RPM=36-46+67MM
12:30	13:00	0.5	SERVICE RIG
13:00	23:00	10.0	DRILL 7871'-8328' (457') ROP=46 FPH, SPP=2275, DP=200-400, WOB=20K, RPM=37-43+67MM
23:00	06:00	7.0	DRILL LPR 8328'-8635' (307') ROP=44 FPH, SPP=2380, DP=200-400, WOB=18-23K, RPM=42-48+65MM.  FUEL=4560 USED=1482 SAFETY: WORKING WITH POWER EQUIPMENT MW=11.6+ VIS 40 BOP DRILL @ 7839, 95 SEC TO SECURE WELL.

06:00 CAROL DANIELS W/ UDOGM NOTIFIED VIA VOICEMAIL AT 16:43 5/17/2010 OF PRODUCTION CASING.

**05-18-2010** **Reported By** D. BRINKERHOFF / JOHN TURNER

**DailyCosts: Drilling** \$41,347 **Completion** \$0 **Daily Total** \$41,347  
**Cum Costs: Drilling** \$588,726 **Completion** \$0 **Well Total** \$588,726  
**MD** 8,980 **TVD** 8,980 **Progress** 345 **Days** 6 **MW** 11.6 **Visc** 41.0  
**Formation :** **PBTD : 0.0** **Perf :** **PKR Depth : 0.0**

**Activity at Report Time:** DRILLING @ 8980'

Start	End	Hrs	Activity Description
06:00	10:00	4.0	DRILL LPR 8635'-8826' - (191') ROP=48 FPH, SPP=2300, DP=200-400, WOB=21K, RPM=42-48+65MM SEGO @ 8869'
10:00	15:00	5.0	DRILL 8826'-8878' (52') ROP=10 FPH, SPP=2300, DP=100-400, WOB=22K, RPM=42-52+65MM
15:00	15:30	0.5	SERVICE RIG
15:30	21:00	5.5	DRILL 8878'-8956' (79'), ROP=14 FPH, SPP=2300-2400, DP=100-500, WOB=12-23K, RPM=38-45+62-66MM
21:00	00:30	3.5	TOOH FOR BIT #3, MINIMAL TIGHT SPOTS, BIT GRADED A 1-4 WITH BROKEN CUTTERS ON SHOULDER
00:30	02:00	1.5	MU BHA, PU NEW MM (0.22), FUNCTION BLIND RAMS
02:00	04:30	2.5	TRIP IN HOLE WITH SECURITY FX65
04:30	05:00	0.5	WASH 8927'-8956'
05:00	06:00	1.0	DRILL 8956'-8980' ROP=24 FPH, WOB=18-22K, SPP=2300, DP=275, RPM=46+86MM FUEL=3534, USED=1026.  SAFETY MEETINGS HELD ==FIRE & FIRE PREVENTION NO INCIDENTS OR ACCIDENTS REPORTED CHECK CROWN - O - MATIC MUD WEIGHT 11.8 & VIS 41

**05-19-2010** **Reported By** D. BRINKERHOFF/JOHNNY TURNER

**DailyCosts: Drilling** \$45,856 **Completion** \$48,944 **Daily Total** \$94,800

**Cum Costs: Drilling** \$634,582      **Completion** \$48,944      **Well Total** \$683,526  
**MD** 9,070    **TVD** 9,070    **Progress** 90    **Days** 7    **MW** 0.0    **Visc** 0.0  
**Formation :**                      **PBTD : 0.0**                      **Perf :**                      **PKR Depth : 0.0**

**Activity at Report Time:** CEMENT PROD CASING

Start	End	Hrs	Activity Description
06:00	09:00	3.0	DRILLING FROM 8980' TO 9070', WOB 18-20, ROP 30' FPH, SPP 2300#, DP 150-300, RPM 48-53 + 87MM TD @ 09:00 5/18/2010 @ 9070',
09:00	10:00	1.0	CIRCULATE FOR SHORT TRIP.
10:00	11:00	1.0	WIPER TRIP/SHORT TRIP TO 8149'.
11:00	12:00	1.0	CIRCULATE TO LAY DOWN DP, PRE LAY DOWN SAFETY MEETING.
12:00	17:00	5.0	LAY DOWN DRILLPIPE & BHA. PULL WEAR BUSHING.
17:00	18:00	1.0	RIG UP FRANKS CASING CREW. HOLD PRE RIG UP SAFETY MEETING ON RUNNING CASING.
18:00	01:00	7.0	RUN 213 JTS OF 4.5", 11.6#, N-80, LT&C CASING W/ 2 MARKER JTS. SET @ 9060'. RUN 3 TURBOLIZERS ON BOTTOM 3 JTS AND 25 CENTRILIZERS ON EVERY 3 JOINT. FLOAT SHOE @ 9060', FLOAT COLLAR @9016'. RAN 2 MARKER JTS 1 @ 4228' & 1 @ 6736'
01:00	02:30	1.5	DROP BALL (PRESSURED TO 1400#) & CIRCULATE W/ CASING ON BOTTOM. HOLD PRE CEMENT SAFETY MEETING
02:30	05:00	2.5	TEST CEMENT LINES TO 5000#. PUMP 10 BBLS FRESH WATER SPACER, 20 BBLS MUD FLUSH, LEAD: HIGHBOND 75 - 42.3 BBLS (470SKS) 12.3#, 1.7 YEILD, WATER 8.825 GAL/SK. 4% BENTONITE - 0.3% VERASET TAIL: EXTENDCHEM - 336.4 BBLS (1285 SKS) 13.5#, 1.47 YIELD - 6.879 GAL/SK. - 13.5 PPG - POLY SLAKE 0.125 PPB - WASH CEMENT LINES TO MUD PITS - DISPLACE W/139.8 BBLS OF FRESH WATER. PUMP PLUG @ 04:30 5/19/2010 FINAL CEMENT PUMP PRESSURE 2400 PSI - SEAT PLUG WITH 3900 PSI - FLOATS HELD 100% RETURNS DURING COMPLETE CEMENTING AND DISPLACEMENT.
05:00	06:00	1.0	SHUT IN CASING & HOLD 1500# ON CASING.

**05-20-2010**      **Reported By**      JOHNNY TURNER

**Daily Costs: Drilling** \$5,921      **Completion** \$86,285      **Daily Total** \$92,206  
**Cum Costs: Drilling** \$640,503      **Completion** \$135,229      **Well Total** \$775,732  
**MD** 9,070    **TVD** 9,070    **Progress** 0    **Days** 8    **MW** 0.0    **Visc** 0.0  
**Formation :**                      **PBTD : 0.0**                      **Perf :**                      **PKR Depth : 0.0**

**Activity at Report Time:** RDRT / W.O. COMPLETION

Start	End	Hrs	Activity Description
06:00	07:00	1.0	CEMENTING
07:00	07:30	0.5	INSTALL PACK OFF & TEST TO 5000#
07:30	08:00	0.5	RDRT & CLEAN MUD TANKS. MOVING TO THE ECW 102-16, IT WILL BE 3/4 MILE MOVE.  NO INCIDENTS OR ACCIDENTS REPORTED TRANSFER: TO ECW 102-16 THE FOLLOWING 9 JOINTS N-80 X 11.6 PPF 4.5" CASING LENGTH 353.56' THREADS OFF. I MARKER JOINT P-110 X 11.6 PPF 4.5" CASING 11.93' THREADS OFF. DIESEL FUEL 2860 GALLONS FOR A TOTAL COST OF \$8208.00 DOLLARS.
08:00			RIG RELEASED @ 08:00 HRS, 5/19/2010. CASING POINT COST \$636,895.

05-23-2010 Reported By SEARLE

DailyCosts: Drilling \$0 Completion \$29,300 Daily Total \$29,300  
 Cum Costs: Drilling \$640,503 Completion \$164,529 Well Total \$805,032

MD 9,070 TVD 9,070 Progress 0 Days 9 MW 0.0 Visc 0.0

Formation : PBTD : 9014.0 Perf : PKR Depth : 0.0

Activity at Report Time: PREP FOR FRACS

Start	End	Hrs	Activity Description
06:00	06:00	24.0	MIRU SCHLUMBERGER. LOG WITH RST/CBL/CCL/VDL/GR FROM 9010' TO 800'. EST CEMENT TOP @ 940'. RDWL.

06-04-2010 Reported By MURDY

DailyCosts: Drilling \$0 Completion \$818 Daily Total \$818  
 Cum Costs: Drilling \$640,503 Completion \$165,347 Well Total \$805,850

MD 9,070 TVD 9,070 Progress 0 Days 10 MW 0.0 Visc 0.0

Formation : MESAVERDE PBTD : 9014.0 Perf : 8509'-8828' PKR Depth : 0.0

Activity at Report Time: FRAC

Start	End	Hrs	Activity Description
06:00	06:00	24.0	STAGE #1. MIRU CUTTERS WIRELINE & PERFORATE LPR FROM 8509'-10', 8521'-22', 8603'-04', 8627'-28', 8637'-38', 8652'-53', 8661'-62', 8671'-72', 8696'-97', 8711'-12', 8717'-18', 8782'-83', 8815'-16', 8827'-28' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/55 GAL (BIO 500), 165 GAL (WSI 7360) SDFN. RU HALIBURTON.

06-05-2010 Reported By MCCURDY

DailyCosts: Drilling \$0 Completion \$1,433 Daily Total \$1,433  
 Cum Costs: Drilling \$640,503 Completion \$166,780 Well Total \$807,283

MD 9,070 TVD 9,070 Progress 0 Days 11 MW 0.0 Visc 0.0

Formation : MESAVERDE PBTD : 9014.0 Perf : 6553'-8828' PKR Depth : 0.0

Activity at Report Time: FRAC

Start	End	Hrs	Activity Description
06:00	06:00	24.0	STAGE #1. INTIAL PRESSURE 1340 PSIG. RU HALLIBURTON, FRAC DOWN CASING W/ 7311 GAL 16# LINEAR W/9400# 20/40 SAND @ 1-1.5 PPG, 40674 GAL 16# DELTA 200 W/145400# 20/40 SAND @ 2-5 PPG. MTP 5962 PSIG. MTR 51.2 BPM. ATP 4938 PSIG. ATR 49.2 BPM. ISIP 2907 PSIG. RD HALLIBURTON.

STAGE #2. RUWL. SET 6K CFP AT 8480'. PERFORATE MPR/LPR FROM 8273'-74', 8284'-85', 8290'-91', 8297'-98', 8310'-11', 8330'-31', 8335'-36', 8343'-44', 8350'-51', 8373'-74', 8395'-96', 8436'-37', 8344'-45', 8463'-64' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/55 GAL (BIO 500), 165 GAL (WSI 7360), 7416 GAL 16# LINEAR W/9500# 20/40 SAND @ 1-1.5 PPG, 36060 GAL 16# DELTA 200 W/127800# 20/40 SAND @ 2-5 PPG. MTP 5890 PSIG. MTR 50.7 BPM. ATP 4979 PSIG. ATR 48.9 BPM. ISIP 3353 PSIG. RD HALLIBURTON.

STAGE #3. RUWL. SET 6K CFP AT 8240'. PERFORATE MPR FROM 7940'-41', 7946'-47', 7965'-66', 7977'-78', 7997'-98', 8018'-19', 8031'-32', 8089'-90', 8131'-32', 8143'-44', 8155'-56', 8194'-95', 8216'-17', 8222'-23' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/55 GAL (BIO 500), 165 GAL (WSI 7360), 7372 GAL 16# LINEAR W/9500# 20/40 SAND @ 1-1.5 PPG, 46824 GAL 16# DELTA 200 W/167200# 20/40 SAND @ 2-5 PPG. MTP 6183 PSIG. MTR 51 BPM. ATP 5025 PSIG. ATR 47 BPM. ISIP 3055 PSIG. RD HALLIBURTON.

STAGE #4. RUWL. SET 6K CFP AT 7928'. PERFORATE MPR FROM 7740'-41', 7747'-48', 7754'-55', 7761'-62', 7767'-68', 7772'-73', 7795'-96', 7823'-24', 7842'-43', 7862'-63', 7867'-68', 7882'-83', 7910'-11', 7914'-15' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/55 GAL (BIO 500), 165 GAL (WSI 7360), 7278 GAL 16# LINEAR W/9400# 20/40 SAND @ 1-1.5 PPG, 46162 GAL 16# DELTA 200 W/166700# 20/40 SAND @ 2-5 PPG. MTP 5975 PSIG. MTR 51.4 BPM. ATP 4319 PSIG. ATR 48.7 BPM. ISIP 2590 PSIG. RD HALLIBURTON.

STAGE #5. RUWL. SET 6K CFP AT 7700'. PERFORATE UPR/MPR FROM 7513'-14', 7527'-28', 7537'-38', 7548'-49', 7559'-60', 7577'-78', 7587'-88', 7595'-96', 7607'-08', 7618'-19', 7655'-56', 7665'-66', 7674'-75', 7681'-82' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/55 GAL (BIO 500), 165 GAL (WSI 7360), 7407 GAL 16# LINEAR W/9500# 20/40 SAND @ 1-1.5 PPG, 40755 GAL 16# DELTA 200 W/144500# 20/40 SAND @ 2-4 PPG. MTP 5728 PSIG. MTR 51.5 BPM. ATP 3946 PSIG. ATR 49.6 BPM. ISIP 2430 PSIG. RD HALLIBURTON.

STAGE #6. RUWL. SET 6K CFP AT 7490'. PERFORATE UPR FROM 7178'-79', 7185'-86', 7191'-92', 7212'-13', 7309'-10', 7319'-20', 7341'-42', 7348'-49', 7354'-55', 7364'-65', 7384'-85', 7402'-03', 7426'-27', 7471'-72' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/55 GAL (BIO 500), 165 GAL (WSI 7360), 7480 GAL 16# LINEAR W/9600# 20/40 SAND @ 1-1.5 PPG, 31151 GAL 16# DELTA 200 W/115400# 20/40 SAND @ 2-5 PPG. MTP 5761 PSIG. MTR 50.5 BPM. ATP 4120 PSIG. ATR 48.5 BPM. ISIP 2582 PSIG. RD HALLIBURTON.

STAGE #7. RUWL. SET 6K CFP AT 7100'. PERFORATE UPR FROM 6826'-27', 6838'-39', 6850'-51', 6862'-63', 6874'-75', 6886'-87', 6911'-12', 6936'-37', 6980'-81', 6987'-88', 6997'-98', 7015'-16', 7031'-32', 7080'-81' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/55 GAL (BIO 500), 165 GAL (WSI 7360), 7363 GAL 16# LINEAR W/9500# 20/40 SAND @ 1-1.5 PPG, 53027 GAL 16# DELTA 200 W/187500# 20/40 SAND @ 2-5 PPG. MTP 6275 PSIG. MTR 51.6 BPM. ATP 3483 PSIG. ATR 49.2 BPM. ISIP 1640 PSIG. RD HALLIBURTON.

STAGE #8. RUWL. SET 6K CFP AT 6812'. PERFORATE NH FROM 6553'-54', 6560'-61', 6568'-69', 6580'-81', 6654'-55', 6699'-700', 6723'-24', 6730'-31', 6737'-38', 6756'-57', 6766'-67', 6775'-76', 6783'-84', 6796'-97' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/55 GAL (BIO 500), 165 GAL (WSI 7360), 7344 GAL 16# LINEAR W/9500# 20/40 SAND @ 1-1.5 PPG, 40375 GAL 16# DELTA 200 W/143700# 20/40 SAND @ 2-5 PPG. MTP 5260 PSIG. MTR 51.4 BPM. ATP 3596 PSIG. ATR 49.1 BPM. ISIP 2043 PSIG. RD HALLIBURTON. SWIFN.

<b>06-06-2010</b>		<b>Reported By</b>		MCCURDY	
<b>Daily Costs: Drilling</b>	\$0	<b>Completion</b>	\$414,344	<b>Daily Total</b>	\$414,344
<b>Cum Costs: Drilling</b>	\$640,503	<b>Completion</b>	\$581,124	<b>Well Total</b>	\$1,221,628
<b>MD</b>	9,070	<b>TVD</b>	9,070	<b>Progress</b>	0
				<b>Days</b>	12
				<b>MW</b>	0.0
<b>Formation : MESAVERDE/ WASATCH</b>		<b>PBTD : 9014.0</b>		<b>Perf : 5108'-8828'</b>	<b>PKR Depth : 0.0</b>

**Activity at Report Time:** PREP TO MIRUSU

Start	End	Hrs	Activity Description
06:00	06:00	24.0	STAGE 9. SICP 1378 PSIG. RUWL. SET 6K CFP AT 6484'. PERFORATE Ba FROM 6157'-58', 6162'-63', 6167'-68', 6175'-76', 6188'-89', 6253'-54', 6300'-01', 6366'-67', 6430'-31', 6447'-48', 6455'-56', 6458'-59' @ 3 SPF & 120 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/55 GAL (BIO 500), 7350 GAL 16# LINEAR W/9500# 20/40 SAND @ 1-1.5 PPG, 22357 GAL 16# DELTA 200 W/74600# 20/40 SAND @ 2-4 PPG. MTP 5435 PSIG. MTR 51.1 BPM. ATP 4017 PSIG. ATR 46 BPM. ISIP 2163 PSIG. RD HALLIBURTON.

STAGE 10. RUWL. SET 6K CFP AT 6122'. PERFORATE Ca/ Ba FROM 5803'-04', 5807'-08', 5813'-14', 5822'-23', 5973'-74', 5976'-77', 6026'-27', 6045'-46', 6050'-51', 6070'-71', 6086'-87', 6102'-03' @ 3 SPF & 120 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/55 GAL (BIO 500), 7380 GAL 16# LINEAR W/9500# 20/40 SAND @ 1-1.5 PPG, 22763 GAL 16# DELTA 200 W/74000# 20/40 SAND @ 2-4 PPG. MTP 4406 PSIG. MTR 50.3 BPM. ATP 3452 PSIG. ATR 48.6 BPM. ISIP 1498 PSIG. RD HALLIBURTON.

STAGE 11. RUWL. SET 6K CFP AT 5310'. PERFORATE Pp / Ca FROM 5108'-09', 5112'-13', 5117'-18', 5125'-26', 5128'-29', 5171'-72', 5181'-82', 5191'-92', 5231'-32', 5236'-37', 5242'-43', 5276'-77' @ 3 SPF & 120 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/55 GAL (BIO 500), 41215 GAL 16# DELTA 200 W/146100# 20/40 SAND @ 2-4 PPG. MTP 3332 PSIG. MTR XX BPM. ATP 2829 PSIG. ATR 49.9 BPM. ISIP 2110 PSIG. RD HALLIBURTON.

RUWL. SET 6K CBP AT 5010'. RD CUTTERS WL. SDFN.

<b>06-10-2010</b>		<b>Reported By</b>	BAUSCH								
<b>Daily Costs: Drilling</b>	\$0		<b>Completion</b>	\$22,769		<b>Daily Total</b>	\$22,769				
<b>Cum Costs: Drilling</b>	\$640,503		<b>Completion</b>	\$603,893		<b>Well Total</b>	\$1,244,397				
<b>MD</b>	9,070	<b>TVD</b>	9,070	<b>Progress</b>	0	<b>Days</b>	13	<b>MW</b>	0.0	<b>Visc</b>	0.0
<b>Formation : MESAVERDE/</b>		<b>PBTD : 9014.0</b>		<b>Perf : 5108'-8828'</b>			<b>PKR Depth : 0.0</b>				
<b>WASATCH</b>											

**Activity at Report Time:** POST FRAC CLEAN OUT

Start	End	Hrs	Activity Description
07:00	15:00	8.0	MIRUSU. CHANGED OUT BOP STACK. NU BOP. PRESSURE TEST BLIND RAMS & WH TO 3000 PSIG. RIH W/BIT & PUMP OFF BIT SUB TO CBP @ 5010'. SDFN.

<b>06-11-2010</b>		<b>Reported By</b>	BAUSCH								
<b>Daily Costs: Drilling</b>	\$0		<b>Completion</b>	\$41,854		<b>Daily Total</b>	\$41,854				
<b>Cum Costs: Drilling</b>	\$640,503		<b>Completion</b>	\$645,747		<b>Well Total</b>	\$1,286,251				
<b>MD</b>	9,070	<b>TVD</b>	9,070	<b>Progress</b>	0	<b>Days</b>	14	<b>MW</b>	0.0	<b>Visc</b>	0.0
<b>Formation : MESAVERDE/</b>		<b>PBTD : 9014.0</b>		<b>Perf : 5108'-8828'</b>			<b>PKR Depth : 0.0</b>				
<b>WASATCH</b>											

**Activity at Report Time:** LAND TBG. RDMOSU. FLOW TEST.

Start	End	Hrs	Activity Description
07:00	06:00	23.0	SICP 0 PSIG. SISCP 0 PSIG. HELD SAFETY MTG. PRESSURE TESTED PRIMARY PIPE RAMS & SECONDARY PIPE RAMS TO 3000 PSIG. PRESSURE TESTED FLOW LINES & POBS TO 3000 PSIG. CLEANED OUT & DRILLED OUT PLUGS @ 5010', 5310', 6122', 6484', 6812', 7100', 7490', 7700', 7982', 8240' & 8480'. RIH. CLEANED OUT TO 8900'. LANDED TBG AT 7507.14' KB. ND BOPE & NU TREE. PUMPED OFF BIT & SUB. RDMOSU.

TUBING DETAIL LENGTH

PUMP OFF SUB 1.00'  
 1 JT 2-3/8 4.7# N-80 TBG 32.60'  
 XN NIPPLE 1.81 ID 1.30'  
 229 JTS 2-3/8 4.7# N-80 TBG 7453.24'  
 BELOW KB 19.00'  
 LANDED @ 7507.14' KB

FLOWED 15 HRS. 24/64 CHOKE. FTP- 1100 PSIG, CP- 1900 PSIG. 45 BFPH. RECOVERED 807 BBLS, 12,391 BLWTR.

<b>06-12-2010</b>		<b>Reported By</b>	BAUSCH								
<b>Daily Costs: Drilling</b>	\$0		<b>Completion</b>	\$3,433		<b>Daily Total</b>	\$3,433				
<b>Cum Costs: Drilling</b>	\$640,503		<b>Completion</b>	\$649,180		<b>Well Total</b>	\$1,289,684				
<b>MD</b>	9,070	<b>TVD</b>	9,070	<b>Progress</b>	0	<b>Days</b>	15	<b>MW</b>	0.0	<b>Visc</b>	0.0

**Formation :** MESAVERDE/  
WASATCH      **PBTD :** 9014.0      **Perf :** 5108'-8828'      **PKR Depth :** 0.0

**Activity at Report Time:** INITIAL PRODUCTION/FLOW TEST TO SALES

Start	End	Hrs	Activity Description
06:00	06:00	24.0	INITIAL PRODUCTION. OPENING PRESSURE: TP 1000 PSIG & CP 2000 PSIG. TURNED WELL OVER TO QUESTAR SALES AT 10:45 AM, 6/11/10. FLOWED 750 MCFD RATE ON 24/64" POS CHOKE. STATIC 263. QUESTAR METER #008489.

FLOWED THROUGH TEST UNIT TO SALES 24 HRS. 24/64 CHOKE. FTP 1000 PSIG. CP 2000 PSIG. 41 BFPH. RECOVERED 987 BLW. 11,404 BLWTR. 804 MCFD RATE.

---

<b>06-13-2010</b>	<b>Reported By</b>	BAUSCH									
<b>Daily Costs: Drilling</b>	\$0	<b>Completion</b>	\$2,733	<b>Daily Total</b>	\$2,733						
<b>Cum Costs: Drilling</b>	\$640,503	<b>Completion</b>	\$651,913	<b>Well Total</b>	\$1,292,417						
<b>MD</b>	9,070	<b>TVD</b>	9,070	<b>Progress</b>	0	<b>Days</b>	16	<b>MW</b>	0.0	<b>Visc</b>	0.0

**Formation :** MESAVERDE/  
WASATCH      **PBTD :** 9014.0      **Perf :** 5108'-8828'      **PKR Depth :** 0.0

**Activity at Report Time:** FLOW TEST TO SALES

Start	End	Hrs	Activity Description
06:00	06:00	24.0	FLOWED THROUGH TEST UNIT TO SALES 24 HRS. 24/64 CHOKE. FTP 950 PSIG. CP 1900 PSIG. 37 BFPH. RECOVERED 893 BLW. 10,511 BLWTR. 975 MCFD RATE.

FLOWED 749 MCF, 30 BC & 987 BW IN 24 HRS ON 24/64" CHOKE. TP 1000 PSIG, CP 1975 PSIG.

---

<b>06-14-2010</b>	<b>Reported By</b>	BAUSCH									
<b>Daily Costs: Drilling</b>	\$0	<b>Completion</b>	\$2,733	<b>Daily Total</b>	\$2,733						
<b>Cum Costs: Drilling</b>	\$640,503	<b>Completion</b>	\$654,646	<b>Well Total</b>	\$1,295,150						
<b>MD</b>	9,070	<b>TVD</b>	9,070	<b>Progress</b>	0	<b>Days</b>	17	<b>MW</b>	0.0	<b>Visc</b>	0.0

**Formation :** MESAVERDE/  
WASATCH      **PBTD :** 9014.0      **Perf :** 5108'-8828'      **PKR Depth :** 0.0

**Activity at Report Time:** FLOW TEST TO SALES

Start	End	Hrs	Activity Description
06:00	06:00	24.0	FLOWED THROUGH TEST UNIT TO SALES 24 HRS. 24/64 CHOKE. FTP 900 PSIG. CP 1850 PSIG. 34 BFPH. RECOVERED 867 BLW. 9677 BLWTR. 825 MCFD RATE.

FLOWED 819 MCF, 32 BC & 893 BW IN 24 HRS ON 24/64" CHOKE. TP 925 PSIG, CP 1900 PSIG.

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

AMENDED REPORT  FORM 8  
(highlight changes)

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  OTHER \_\_\_\_\_

b. TYPE OF WORK: NEW WELL  HORIZ. LATS.  DEEP-EN  RE-ENTRY  DIFF. RESVR.  OTHER \_\_\_\_\_

5. LEASE DESIGNATION AND SERIAL NUMBER:  
**ML-47045**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME

8. WELL NAME and NUMBER:  
**East Chapita 106-16**

2. NAME OF OPERATOR:  
**EOG RESOURCES, INC.**

9. API NUMBER:  
**43-047-50553**

3. ADDRESS OF OPERATOR: **1060 EAST HWY 40** CITY **VERNAL** STATE **UT** ZIP **84078** PHONE NUMBER: **(435) 781-9145**

10. FIELD AND POOL, OR WILDCAT  
**Natural Buttes**

4. LOCATION OF WELL (FOOTAGES)  
AT SURFACE: **731 FSL & 2629 FEL 40.030703 Lat 109.331906 Lon**  
AT TOP PRODUCING INTERVAL REPORTED BELOW: **SAME**  
AT TOTAL DEPTH: **SAME**

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:  
**SWSE 16 9S 23E S**

12. COUNTY **Uintah** 13. STATE **UTAH**

14. DATE SPUDDED: **4/22/2010** 15. DATE T.D. REACHED: **5/18/2010** 16. DATE COMPLETED: **6/11/2010** ABANDONED  READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL):  
**5004' GL**

18. TOTAL DEPTH: MD **9,070** TVD \_\_\_\_\_ 19. PLUG BACK T.D.: MD **9,014** TVD \_\_\_\_\_ 20. IF MULTIPLE COMPLETIONS, HOW MANY? \* \_\_\_\_\_ 21. DEPTH BRIDGE MD \_\_\_\_\_ PLUG SET: TVD \_\_\_\_\_

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)  
**RST/CBL/CCL/VDL/GR**

23. WAS WELL CORED? NO  YES  (Submit analysis)  
WAS DST RUN? NO  YES  (Submit report)  
DIRECTIONAL SURVEY? NO  YES  (Submit copy)

**24. CASING AND LINER RECORD (Report all strings set in well)**

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
12.25	9.625 J-55	36.0	0	2,420		750		0	
7.875	4.5 N-80	11.6	0	9,060		1755		940	

**25. TUBING RECORD**

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2.375	7,507							

**26. PRODUCING INTERVALS** 27. PERFORATION RECORD **5100**

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) Wasatch/Mesaverde	5,108	8,828			8,509 8,828		2/SPF	Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(B)					8,273 8,464		2/SPF	Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(C)					7,940 8,223		2/SPF	Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(D)					7,740 7,915		2/SPF	Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

**28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.**

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
8509-8828	48,205 GALS OF GELLED WATER & 154,800# 20/40 SAND
8273-8464	43,696 GALS OF GELLED WATER & 137,300# 20/40 SAND
7940-8223	54,416 GALS OF GELLED WATER & 176,700# 20/40 SAND

**RECEIVED**  
**JUL 13 2010**

DIV. OF OIL, GAS & MINING

29. ENCLOSED ATTACHMENTS:

ELECTRICAL/MECHANICAL LOGS  GEOLOGIC REPORT  DST REPORT  DIRECTIONAL SURVEY

SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION  CORE ANALYSIS  OTHER: \_\_\_\_\_

30. WELL STATUS:  
**PRODUCING**

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 6/11/2010		TEST DATE: 6/14/2010		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL - BBL: 32	GAS - MCF: 819	WATER - BBL: 893	PROD. METHOD: Flows
CHOKE SIZE: 24/64	TBG. PRESS. 925	CSG. PRESS. 1,900	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL: 32	GAS - MCF: 819	WATER - BBL: 893	INTERVAL STATUS: Producing

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

33. 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.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
Wasatch/Mesaverde	5,108	8,828		Green River	1,417
				Birds Nest Zone	1,728
				Mahogany	2,346
				Uteland Butte	4,498
				Wasatch	4,599
				Chapita Wells	5,202
				Buck Canyon	5,891
				Price River	6,790
				Middle Price River	7,570
				Lower Price River	8,836

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Mickenzie Gates TITLE Operations Clerk  
 SIGNATURE *Mickenzie Gates* DATE 7/9/2010

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

\* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

\*\* ITEM 24: Cement Top - Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining  
 1594 West North Temple, Suite 1210  
 Box 145801  
 Salt Lake City, Utah 84114-5801

Phone: 801-538-5340  
 Fax: 801-359-3940

**East Chapita 106-16 - ADDITIONAL REMARKS (CONTINUED):**

**26. PERFORATION RECORD**

7513-7682	2/spf
7178-7472	2/spf
6826-7081	2/spf
6553-6797	2/spf
6157-6459	3/spf
5803-6103	3/spf
5108-5277	3/spf

**27. ACID, FRACTURE TREATMENT, CEMENT SQUEEZE, ETC.**

7740-7915	53,660 GALS GELLED WATER & 176,100# 20/40 SAND
7513-7682	48,382 GALS GELLED WATER & 154,000# 20/40 SAND
7178-7472	38,851 GALS GELLED WATER & 125,000# 20/40 SAND
6826-7081	60,610 GALS GELLED WATER & 197,000# 20/40 SAND
6553-6797	47,939 GALS GELLED WATER & 153,200# 20/40 SAND
6157-6459	29,762 GALS GELLED WATER & 84,100# 20/40 SAND
5803-6103	30,198 GALS GELLED WATER & 83,500# 20/40 SAND
5108-5277	41,270 GALS GELLED WATER & 143,100# 20/40 SAND

Perforated the Lower Price River from 8509'-10', 8521'-22', 8603'-04', 8627'-28', 8637'-38', 8652'-53', 8661'-62', 8671'-72', 8696'-97', 8711'-12', 8717'-18', 8782'-83', 8815'-16', 8827'-28' w/ 2 spf.

Perforated the Middle/Lower Price River from 8273'-74', 8284'-85', 8290'-91', 8297'-98', 8310'-11', 8330'-31', 8335'-36', 8343'-44', 8350'-51', 8373'-74', 8395'-96', 8436'-37', 8344'-45', 8463'-64' w/ 2 spf.

Perforated the Middle Price River from 7940'-41', 7946'-47', 7965'-66', 7977'-78', 7997'-98', 8018'-19', 8031'-32', 8089'-90', 8131'-32', 8143'-44', 8155'-56', 8194'-95', 8216'-17', 8222'-23' w/ 2 spf.

Perforated the Middle Price River from 7740'-41', 7747'-48', 7754'-55', 7761'-62', 7767'-68', 7772'-73', 7795'-96', 7823'-24', 7842'-43', 7862'-63', 7867'-68', 7882'-83', 7910'-11', 7914'-15' w/ 2 spf.

Perforated the Upper/Middle Price River from 7513'-14', 7527'-28', 7537'-38', 7548'-49', 7559'-60', 7577'-78', 7587'-88', 7595'-96', 7607'-08', 7618'-19', 7655'-56', 7665'-66', 7674'-75', 7681'-82' w/ 2 spf.

Perforated the Upper Price River from 7178'-79', 7185'-86', 7191'-92', 7212'-13', 7309'-10', 7319'-20', 7341'-42', 7348'-49', 7354'-55', 7364'-65', 7384'-85', 7402'-03', 7426'-27', 7471'-72' w/ 2 spf.

Perforated the Upper Price River from 6826'-27', 6838'-39', 6850'-51', 6862'-63', 6874'-75', 6886'-87', 6911'-12', 6936'-37', 6980'-81', 6987'-88', 6997'-98', 7015'-16', 7031'-32', 7080'-81' w/ 2 spf.

Perforated the North Horn from 6553'-54', 6560'-61', 6568'-69', 6580'-81', 6654'-55', 6699'-700', 6723'-24', 6730'-31', 6737'-38', 6756'-57', 6766'-67', 6775'-76', 6783'-84', 6796'-97' w/ 2 spf.

Perforated the Ba from 6157'-58', 6162'-63', 6167'-68', 6175'-76', 6188'-89', 6253'-54', 6300'-01', 6366'-67', 6430'-31', 6447'-48', 6455'-56', 6458'-59' w/ 3 spf.

Perforated the Ca/ Ba from 5803'-04', 5807'-08', 5813'-14', 5822'-23', 5973'-74', 5976'-77', 6026'-27', 6045'-46', 6050'-51', 6070'-71', 6086'-87', 6102'-03' w/ 3 spf.

Perforated the Pp/Ca from 5108'-09', 5112'-13', 5117'-18', 5125'-26', 5128'-29', 5171'-72', 5181'-82', 5191'-92', 5231'-32', 5236'-37', 5242'-43', 5276'-77' w/ 3 spf.

### 32. FORMATION (LOG) MARKERS

Sego	8883
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<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  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.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML47045
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Gas Well		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>2. NAME OF OPERATOR:</b> EOG Resources, Inc.		<b>8. WELL NAME and NUMBER:</b> EC 106-16
<b>3. ADDRESS OF OPERATOR:</b> 600 17th Street, Suite 1000 N , Denver, CO, 80202		<b>9. API NUMBER:</b> 43047505530000
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0731 FSL 2629 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSE Section: 16 Township: 09.0S Range: 23.0E Meridian: S		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
		<b>COUNTY:</b> UINTAH
		<b>STATE:</b> UTAH

11.

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 4/9/2012	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> 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 type="text" value="Measurement variance propd"/>

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

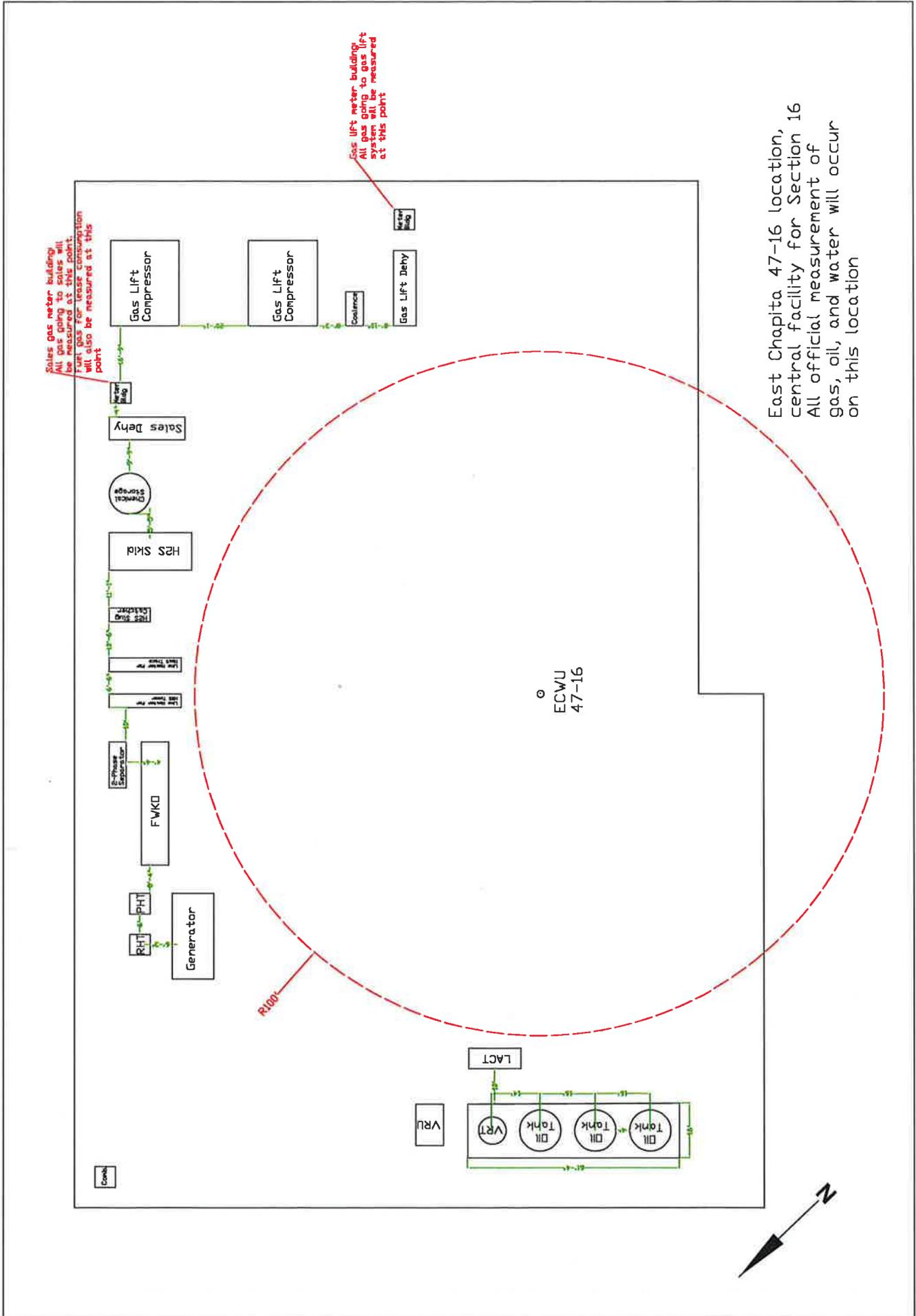
EOG Resources, Inc. respectfully requests authorization to measure and allocate produced gas, condensate and water production as per the attached proposal.

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

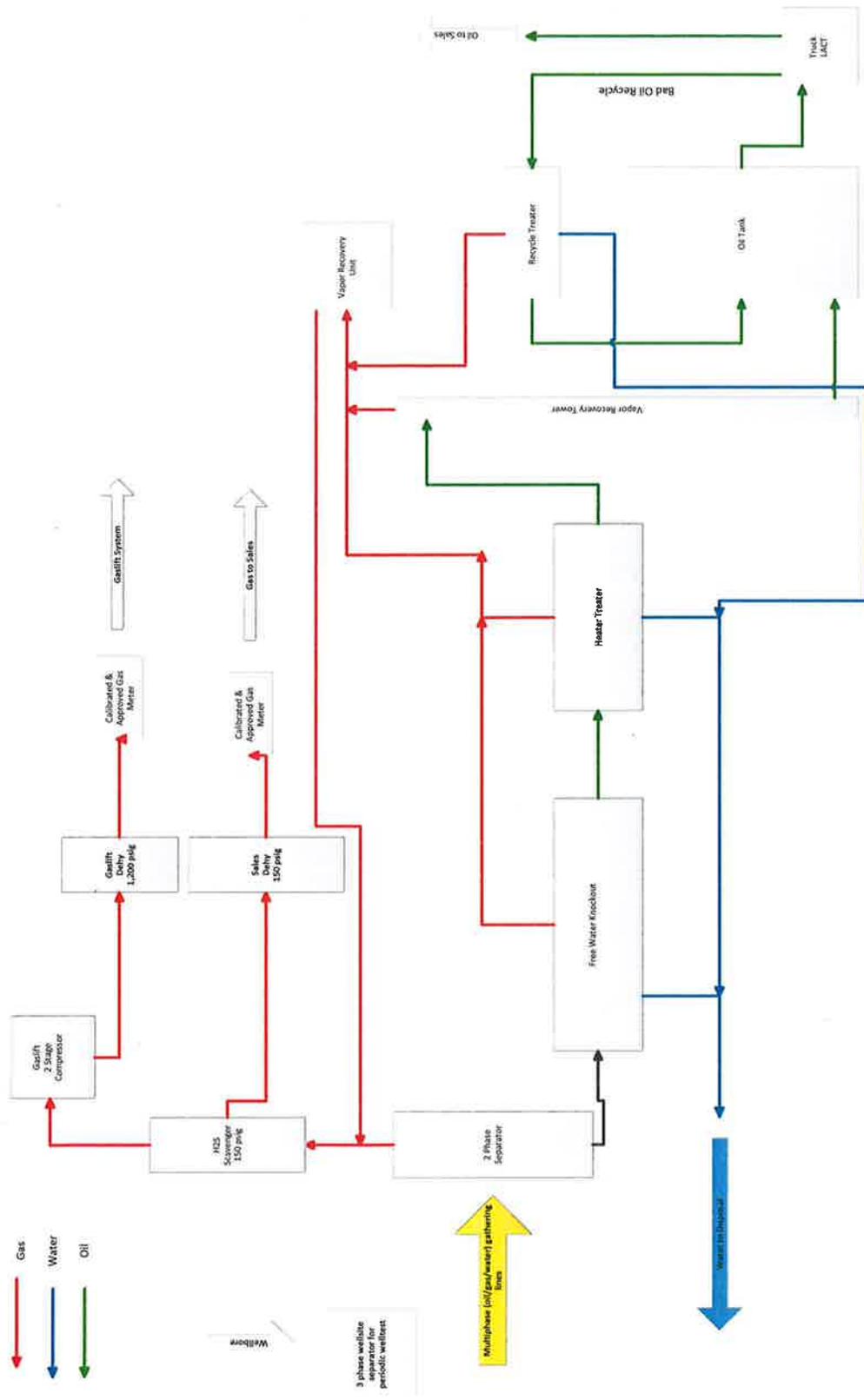
**Date:** May 11, 2012

**By:** 

<b>NAME (PLEASE PRINT)</b> Mickenzie Gates	<b>PHONE NUMBER</b> 435 781-9145	<b>TITLE</b> Operations Clerk
<b>SIGNATURE</b> N/A	<b>DATE</b> 4/9/2012	



East Chapita 47-16 location,  
central facility for Section 16  
All official measurement of  
gas, oil, and water will occur  
on this location







EOG Resources, Inc.  
1060 E Hwy 40  
Vernal, Utah 84078

FedEx  
7933 4391 7041

March 14, 2012

Division of Natural Resources  
Utah Division of Oil, Gas, and Mining  
Attn: Dustin Doucet, Randy Thackery  
1594 West North Temple, Suite 1210  
Salt Lake City, UT 84116

RE: Central Facility - Gathering System  
Hydrocarbon Measurement Proposal  
Section 16 T9S R23E  
Uintah County, Utah

Gentlemen:

EOG Resources has submitted a proposal to the School and Institutional Trust Land Administration (SITLA) to install a Central Production Facility / Gathering System for Lease ML-47045. The facility will be located in the SWNE of Section 16, Township 09 South, Range 23 East, on an expanded East Chapita Wells (ECW) 47-16 well location. As you are aware, we have been producing a couple of the wells (ECW 103-16 and ECW 106-16) in section 16 utilizing gas lift operations to enhance production from the wells and have been encouraged with the results of that operation. Based on that fact, we intend to incorporate gas compression into Central Production Facility where we can process the gas, compress it and then send dry gas back to the wells for enhanced recovery via gas lift operations. All of the gas that we use for gas lift operations will be pulled out of the gathering system prior to the measurement point at the Central Facility. We believe that by moving our operations to a central facility, we can reduce air emissions, lower our operating costs (eliminating water hauling by pumping the water to the Coyote disposal facility located in Section 16), enhance our production and ultimately extend the life of the wells. At this time, we intend to measure all production from Lease ML-47045 at the central facility except for the production from ECW 59-16 well which will be measured on location utilizing the existing orifice meter for gas measurement and tank gauging for condensate and water measurement. Currently, the ECW 59-16 well is the only well in Section 16 that is located north of Coyote Wash and we would have to cross the wash to bring the well into the central facility. Eventually, as we continue to develop the lease we would bring the ECW 59-16 well into the central facility. At this time, we intend to leave the existing separator / dehydrator units on location in order to test our wells.

Therefore, EOG Resources would like to propose the following methods to measure the gas, condensate and water production from the aforementioned lease (except for the ECW 59-16) and



EOG Resources, Inc.  
1060 E Hwy 40  
Vernal, Utah 84078

the methods that we would like to use to measure and allocate production back to the remaining producing wells in the lease.

**Gas Measurement** – all gas leaving the lease from the central facility will be measured using an electronic flow meter (EFM) with orifice plate that is compliant with American Gas Association No. 3 (AGA) standards and State of Utah Regulations (R649-2-8). This meter will be calibrated on a quarterly basis.

**Allocation Method** – In an effort to reduce emissions, we intend to produce the wells directly into the gathering system. At least initially, we intend to leave the existing Separator / Dehydrator unit in place and utilize the existing EFM to test the wells on a quarterly basis. This will allow us to allocate production back to the individual wells based on well tests. Each well test will be run for a minimum of 24 hours. Therefore, we propose to allocate gas production to each well by totalizing the results of the well tests for every well and then utilize the results of each individual well to determine a percentage of the total that each well contributes to the total. We will take that percentage for each well and multiply it times the total production that is measured leaving the lease at the central facility on a daily basis. That gas volume will be allocated back to each well and will be reported on a monthly basis.

**Gas Lift Operations** – Every well in the lease will be evaluated on a case by case basis as to the viability to add gas lift operations to the well. We would like to propose, that for each well that we decide to convert to gas lift or the wells where we have already installed gas lift operations, to measure the injected gas via an EFM (orifice or v-cone) meter at the well site. Therefore, for each well that has had gas lift installed, the volume used for the percentage calculation for allocation to each well will be determined by subtracting the injected volume (per 24 hour period) from the produced volume that was determined during the well test for each well.

**Oil / Condensate / Water Measurement** – all condensate produced will be sold at the central facility via a Lease Automatic Custody Transfer (LACT) meter. The LACT meter will be proven on a quarterly basis. All water produced will be measured by a master (turbine) meter at the central facility prior to entering the pipeline that goes to the Coyote Saltwater Disposal Facility that is located within the lease boundary.

**Allocation Method** – We intend to install turbine meters on the dumps in the existing Separator / Dehydrator unit at each well so that we can accurately measure the condensate and water production from each well during the well tests. Therefore, we propose to allocate condensate and water production to each well by totalizing the results of the well tests for every well and then utilize the results of each individual well to determine a percentage of the total that each well contributes to the total. We will take that condensate percentage from each well and multiply it times the total condensate sold at the central facility per month for the allocated condensate production for each well and take the water percentage from each well and multiply it times water volume that is measured per month via the master meter that is located at the central facility for the allocated water production for each well. Those condensate and water volumes will be allocated back to each well and will be reported on a monthly basis.



**EOG Resources, Inc.**  
1060 E Hwy 40  
Vernal, Utah 84078

I look forward to hearing from you soon regarding our proposal. If you need any other information from me, I can be reached at (435) 781-9100 (office) or (435) 828-8236 (cell).

Sincerely,

A handwritten signature in black ink, appearing to read "Ed Forsman".

**Ed Forsman**  
Production Engineering Advisor  
EOG Resources – Vernal Operations

cc: Ted Kelly – Big Piney Office  
Jim Schaefer – Denver Office  
Denver file

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

FORM 6

**ENTITY ACTION FORM**

Operator: EOG RESOURCES Operator Account Number: N 9550  
 Address: 600 17th St., Ste. 1000N  
city Denver  
state CO zip 80202 Phone Number: (303) 824-5590

**Well 1**

API Number	Well Name		QQ	Sec	Twp	Rng	County
43-047-50551	EAST CHAPITA 102-16		NWSE	16	9S	23E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
D	17596	18940	4/23/2010			3/12/2013	
Comments: <span style="float: right;">3/12/13</span>							

**Well 2**

API Number	Well Name		QQ	Sec	Twp	Rng	County
43-047-50553	EAST CHAPITA 106-16		SWSE	16	9S	23E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
D	17597	18940	4/22/2010			3/12/2013	
Comments: <span style="float: right;">3/12/13</span>							

**Well 3**

API Number	Well Name		QQ	Sec	Twp	Rng	County
43-047-34073	EAST CHAPITA 800-16		NESW	16	9S	23E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
D	13273	18940	8/25/2001			3/12/2013	
Comments: <span style="float: right;">3/12/13</span>							

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**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)

Vail Nazzaro

Name (Please Print)

*Vail Nazzaro*  
Signature

Senior Regulatory Assistant

3/8/2013

Title

Date