API Well Number: 43047521730000

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

FORM 3

AMENDED REPORT ☐

APPLICATION FOR PERMIT TO DRILL

1. WELL NAME and NUMBER
North Duck Creek 353-34

2. TYPE OF WORK
DRILL NEW WELL ■ REENTER P&A WELL ☐ DEEPEN WELL ☐

3. FIELD OR WILDCAT
NATURAL BUTTES

4. TYPE OF WELL
Gas Well Coalbed Methane Well: NO

5. UNIT or COMMUNITIZATION AGREEMENT NAME

6. NAME OF OPERATOR
EOG Resources, Inc.

7. OPERATOR PHONE
435 781-9111

8. ADDRESS OF OPERATOR
600 17th Street, Suite 1000 N, Denver, CO, 80202

9. OPERATOR E-MAIL
kaylene_gardner@eogresources.com

10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)
UTU38407

11. MINERAL OWNERSHIP
FEDERAL ■ INDIAN ☐ STATE ☐ FEE ☐

12. SURFACE OWNERSHIP
FEDERAL ☐ INDIAN ■ STATE ☐ FEE ☐

13. NAME OF SURFACE OWNER (if box 12 = 'fee')

14. SURFACE OWNER PHONE (if box 12 = 'fee')

15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')

16. SURFACE OWNER E-MAIL (if box 12 = 'fee')

17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')
UTE INDIAN TRIBE

18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS
YES ☐ (Submit Commingling Application) NO ■

19. SLANT
VERTICAL ■ DIRECTIONAL ☐ HORIZONTAL ☐

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	660 FNL 660 FWL	NWNW	34	8.0 S	21.0 E	S
Top of Uppermost Producing Zone	660 FNL 660 FWL	NWNW	34	8.0 S	21.0 E	S
At Total Depth	660 FNL 660 FWL	NWNW	34	8.0 S	21.0 E	S

21. COUNTY
UINTAH

22. DISTANCE TO NEAREST LEASE LINE (Feet)
660

23. NUMBER OF ACRES IN DRILLING UNIT
120

25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)
4290

26. PROPOSED DEPTH
MD: 12175 TVD: 12175

27. ELEVATION - GROUND LEVEL
4794

28. BOND NUMBER
NM2308

29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE
Water Right # 49-225 (A31368)

Hole, Casing, and Cement Information

String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Surf	12.25	9.625	0 - 3100	36.0	J-55 ST&C	0.0	Type III	200	4.1	10.5
							Type V	135	1.18	15.6
Prod	7.875	4.5	0 - 12175	11.6	P-110 LT&C	10.5	Halliburton Premium , Type Unknown	225	1.61	12.5
							50/50 Poz	225	1.47	13.5

ATTACHMENTS

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

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

NAME Kaylene Gardner **TITLE** Regulatory Administrator **PHONE** 435 781-9111

SIGNATURE **DATE** 11/04/2011 **EMAIL** kaylene_gardner@eogresources.com

API NUMBER ASSIGNED
43047521730000

APPROVAL
Permit Manager

RECEIVED: November 21, 2011

DRILLING PLAN

NORTH DUCK CREEK 353-34
NW/NW, SEC. 34, T8S, R21E, S.L.B.&M..
UINTAH COUNTY, UTAH

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

FORMATION	TVD-RKB (ft)	Objective	Lithology	
Green River	2,207		Shale	
Birdsnest Zone	2,506		Dolomite	
Mahogany Oil Shale Bed	3,123		Shale	
Wasatch	5,705	Primary	Sandstone	Gas
Chapita Wells	6,346	Primary	Sandstone	Gas
Buck Canyon	7,038	Primary	Sandstone	Gas
North Horn	7,638	Primary	Sandstone	Gas
KMV Price River	8,978	Primary	Sandstone	Gas
KMV Price River Middle	9,718	Primary	Sandstone	Gas
KMV Price River Lower	10,522	Primary	Sandstone	Gas
Sego	10,999	Secondary	Sandstone	Gas
KMV Castlegate	11,162		Sandstone	
Base Castlegate SS	11,400		Sandstone	
KMV Black Hawk	11,512	Primary	Sandstone	Gas
TD	**12,175**			

Estimated TD: **12,175' or 200'± below TD** **Anticipated BHP: 7,597 psi**

1. Fresh Waters may exist in the upper, approximately 1,000 ft ± of the Green River Formation, with top at about 2,207 ft ±.
2. Cement to be installed to surface of the well isolating all zones.

3. PRESSURE CONTROL EQUIPMENT:

Intermediate/Production Hole – 5000 psi
BOP schematic diagrams attached.

4. CASING PROGRAM:

All casing will be new or inspected.

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 with 9-⅝" casing to that depth as detailed below. Drilled depth may be shallower or deeper than the 3100' shown below, depending on the actual depth of the loss zone.**
- **Below the 9 5/8" surface casing EOG will drill an 8.75" hole to ± 7500'. At this point, EOG will determine whether wellbore conditions encountered (sloughing/swelling shales, key seat development, and lost circulation) will warrant running a 7" intermediate casing string to this depth in order to reach the proposed TD for the well. Determination to run intermediate casing will be made by the EOG Resources Drilling Engineer, Drilling Superintendent, and Drilling Manager. In the event that intermediate casing is run, all regulatory agencies will be properly notified. If intermediate casing is run, EOG Resources will properly cement the 7" casing, then drill the remaining production hole below it to TD with a 6.25" bit and run and cement 4 ½" production casing at TD. If**

RECEIVED: November 04, 2011

DRILLING PLAN

NORTH DUCK CREEK 353-34
NW/NW, SEC. 34, T8S, R21E, S.L.B.&M..
UINTAH COUNTY, UTAH

4. CASING PROGRAM (cont'd):

intermediate casing is not needed, EOG will remove the 8.75" bit at ± 7500' and drill the remainder of the production hole with a 7.875" bit to TD, then run and cement 4 ½" production casing at TD. Casing string and cementing details for these options are shown in the Casing Program and Cement Program sections below.

If Intermediate Casing string is required, casing program will be as follows:

Casing	Hole Size	Length	Size	Weight	Grade	Thread	Collapse Rating	Burst Rating	Tensile Rating
Conductor	20"	0 – 60'	14"	48.0#	H-40	STC	770 psi	1,730 psi	322,000#
Surface	12.25"	0 – 3100' KB±	9.625"	36.0#	J-55	STC	2,020 psi	3,520 psi	394,000#
Intermediate	8.75"	0 - 7500' KB±	7"	23.0#	HC N-80	LTC	5,650 psi	6,340 psi	485,000#
Production	6.25"	Surface – TD	4.5"	11.6#	HC P-110	LTC	8,650 psi	10,690 psi	279,000#

If Intermediate Casing string is not run, casing program will be as follows:

Casing	Hole Size	Length	Size	Weight	Grade	Thread	Collapse Rating	Burst Rating	Tensile Rating
Conductor	20"	0 – 60'	14"	48.0#	H-40	STC	770 psi	1,730 psi	322,000#
Surface	12.25"	0 – 3100' KB±	9.625"	36.0#	J-55	STC	2,020 psi	3,520 psi	394,000#
Production	8.75" / 7.875"	Surface – TD	4.5"	11.6#	HC P-110	LTC	8,650 psi	10,690 psi	279,000#

5. FLOAT EQUIPMENT:

Surface Casing (0'- 3100'±)

Guide Shoe
Insert Float Collar
Centralizers: 1 in middle of shoe joint, then top of every joint for next 7 joints. (8 total)

Intermediate Casing (0'- 7500'±) (If Run)

Float shoe, 1 joint of casing, float collar and balance of casing to surface. Conventional bow-spring centralizer to be placed 5' above shoe on joint #1 and on top of joints #2 & #3, then every 5th joint to 400' above the top of the Wasatch. Thread lock float shoe, top and bottom of float collar, and top of 2nd joint.

Production Casing (0' - TD):

Float shoe, 1 joint of casing, float collar and balance of casing to surface. 4-½", 11.6#, HC P-110 or equivalent marker collars or short casing joints to be placed at top of Price River and 400' above top of Wasatch. 1 turbulizer to be placed 5' above shoe on joint #1 and on the middle of joints #2 & #3. Conventional bow-spring centralizer on top of joint #4, then every 3rd joint to 400' above the top of primary objective. Thread lock float shoe, top and bottom of float collar, and top of 2nd joint.

.

RECEIVED: November 04, 2011

DRILLING PLAN

NORTH DUCK CREEK 353-34
NW/NW, SEC. 34, T8S, R21E, S.L.B.&M..
UINTAH COUNTY, UTAH

6. MUD PROGRAM:

Surface Hole (Surface - 3100'±):

Air/Air mist/Aerated water* (*A standby water source will be available at all times to act as a kill medium when conducting air drilling operations)

or

A closed-loop system utilizing a gelled bentonite mud will be employed.
LCM sweeps, additions, etc. will be used as necessary.

Intermediate Hole (3100' - 7500'±):

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

A closed-loop 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.

Production Hole (7500'± - TD):

Anticipated mud weight 9.5 – 12.0 ppg depending on actual wellbore conditions encountered while drilling.

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 <10cc'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. CO_2 contamination, if encountered, will be treated with lime and gypsum

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:

Cased-hole Logs: Cased-hole logs will be run in lieu of open-hole logs consisting of the following:
Cement Bond / Casing Collar Locator and Pulsed Neutron

RECEIVED: November 04, 2011

DRILLING PLAN

NORTH DUCK CREEK 353-34
NW/NW, SEC. 34, T8S, R21E, S.L.B.&M..
UINTAH COUNTY, UTAH

9. CEMENT PROGRAM:

Surface Casing (Surface - 3100'±):

Lead: Lead volume to be calculated to bring cement from 500' above casing shoe to surface. Lead cement will be:

200 sx. **HES VariCem (Type III) + 2% Cal-Seal (Thixotropic Additive) + 0.3% Versaset (Thixotropic Additive) + 2% Econolite (Light Weight Additive), mixed at 10.5 ppg, 4.10 cfps, 26.88 gps fresh water**

Tail: Tail volume to be calculated to bring cement 500' above casing shoe. Tail cement will be:

135 sx. **HES HalCem (Type V) + 2% $CaCl_2$ (Accelerator), mixed at 15.6 ppg, 1.18 cfps, 5.05 gps fresh water**

Top Out: As necessary with:

HES HalCem (Type V) + 2% $CaCl_2$ (Accelerator), mixed at 15.6 ppg, 1.18 cfps, 5.05 gps fresh water

Note: The above number of sacks are calculated based on gauge hole. Final field cement volumes will be based on gauge hole + 70% excess on the lead slurry and gauge hole + 100% excess on the tail slurry.

Intermediate Casing (3100'± - 7500'±) (If Run)

Lead: Lead volume to be calculated to bring cement from 400' above top of Wasatch Formation to 200'± above 9 5/8" surface casing shoe. For improved mud displacement, lead slurry weight will be a minimum of 0.5 ppg over mud weight utilized at intermediate casing point and vary from 11.0 – 13.0 ppg.

If lead slurry weight required is 11.0 ppg – 12.5 ppg, cement will be:

HES Highbond 75 (75/25 Poz/G) + 6% Bentonite (Extender) + 0.3% Versaset (Thixotropic Additive) + 2% Microbond (Expansion Additive)

Calculated sacks with corresponding mixed slurry weights, yields and water requirements for above cement will be as follows:

- **145 sx. if 11.0 ppg, 2.52 cfps, 14.96 gps fresh water**
- **170 sx. if 11.5 ppg, 2.12 cfps, 11.98 gps fresh water**
- **200 sx. if 12.0 ppg, 1.83 cfps, 9.82 gps fresh water**
- **225 sx. if 12.5 ppg, 1.61 cfps, 8.17 gps fresh water**

If lead slurry weight required is 13.0 ppg, cement will be:

225 sx. **HES ExtendaCem (50/50 Poz/G) + 0.125 pps Pol-E-Flake (Lost Circulation Additive), mixed at 13.0 ppg, 1.63 cfps, 8.16 gps fresh water**

Tail: Tail volume to be calculated to bring cement from 7500'± to 400' above top of Wasatch Formation. Tail cement will be:

225 sx. **HES ExtendaCem (50/50 Poz/G) + 0.125 pps Pol-E-Flake (Lost Circulation Additive), mixed at 13.5 ppg, 1.47 cfps, 6.98 gps fresh water**

Note: Above number of sacks in all cases are calculated based on gauge hole. Final field cement volumes will be based on gauge hole + 50% excess on lead slurry, gauge hole + 70% excess on the tail slurry.

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DRILLING PLAN

NORTH DUCK CREEK 353-34
NW/NW, SEC. 34, T8S, R21E, S.L.B.&M..
UINTAH COUNTY, UTAH

9. CEMENT PROGRAM (cont'd):

Production Casing (7500'± - TD) (With Intermediate Casing String Run)

Slurry volume to be calculated to bring cement from TD to 400' above top of Wasatch Formation inside the 7" X 4 ½" casing annulus. Cement will be:

880 sx. HES ExtendaCem (50/50 Poz/G) + 0.125 pps Pol-E-Flake (Lost Circulation Additive) + 0.1% HR-5 (Retarder), mixed at 13.5 ppg, 1.47 cfps, 6.98 gps fresh water

Note: The above number of sacks are calculated based on gauge hole. Final field cement volumes will be based on gauge hole + 70% excess in the open hole and 0% excess in the 7" X 4 ½" casing annulus.

Production Casing (3100'± - TD) (Without Intermediate Casing String)

Lead: Lead volume to be calculated to bring cement from 400' above top of Wasatch Formation to 200'± above 9 5/8" surface casing shoe. For improved mud displacement, lead slurry weight will be a minimum of 0.5 ppg over mud weight utilized at well TD and vary from 11.0 – 13.0 ppg.

If lead slurry weight required is 11.0 ppg – 12.5 ppg, cement will be:

HES Highbond 75 (75/25 Poz/G) + 6% Bentonite (Extender) + 0.3% Versaset (Thixotropic Additive) + 2% Microbond (Expansion Additive)

Calculated sacks with corresponding mixed slurry weights, yields and water requirements for above cement will be as follows:

- **295 sx. if 11.0 ppg, 2.52 cfps, 14.96 gps fresh water**
- **350 sx. if 11.5 ppg, 2.12 cfps, 11.98 gps fresh water**
- **405 sx. if 12.0 ppg, 1.83 cfps, 9.82 gps fresh water**
- **460 sx. if 12.5 ppg, 1.61 cfps, 8.17 gps fresh water**

If lead slurry weight required is 13.0 ppg, cement will be:

455 sx. HES ExtendaCem (50/50 Poz/G) + 0.125 pps Pol-E-Flake (Lost Circulation Additive) + 0.1% HR-5 (Retarder), mixed at 13.0 ppg, 1.63 cfps, 8.16 gps fresh water

Tail: Tail volume to be calculated to bring cement from TD to 400' above top of Wasatch Formation. Tail cement will be:

1185 sx. HES ExtendaCem (50/50 Poz/G) + 0.125 pps Pol-E-Flake (Lost Circulation Additive) + 0.1% HR-5 (Retarder), mixed at 13.5 ppg, 1.47 cfps, 6.98 gps fresh water

Note: The above number of sacks in all cases are calculated based on gauge hole. Final field cement volumes will be based on gauge hole plus 50% excess on the lead slurry and gauge hole plus 70% excess on the tail slurry.

RECEIVED: November 04, 2011

DRILLING PLAN

NORTH DUCK CREEK 353-34
NW/NW, SEC. 34, T8S, R21E, S.L.B.&M..
UINTAH COUNTY, UTAH

10. ABNORMAL CONDITIONS:

Surface Hole (Surface - 3100'±):

Lost circulation

Intermediate / Production Hole (3100'± - TD):

Sloughing shales, lost circulation and key seat development are possible in the Wasatch Formation. Black Hawk formation pressure 12.0 ppg EMW.

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)

RECEIVED: November 04, 2011

EOG RESOURCES, INC.

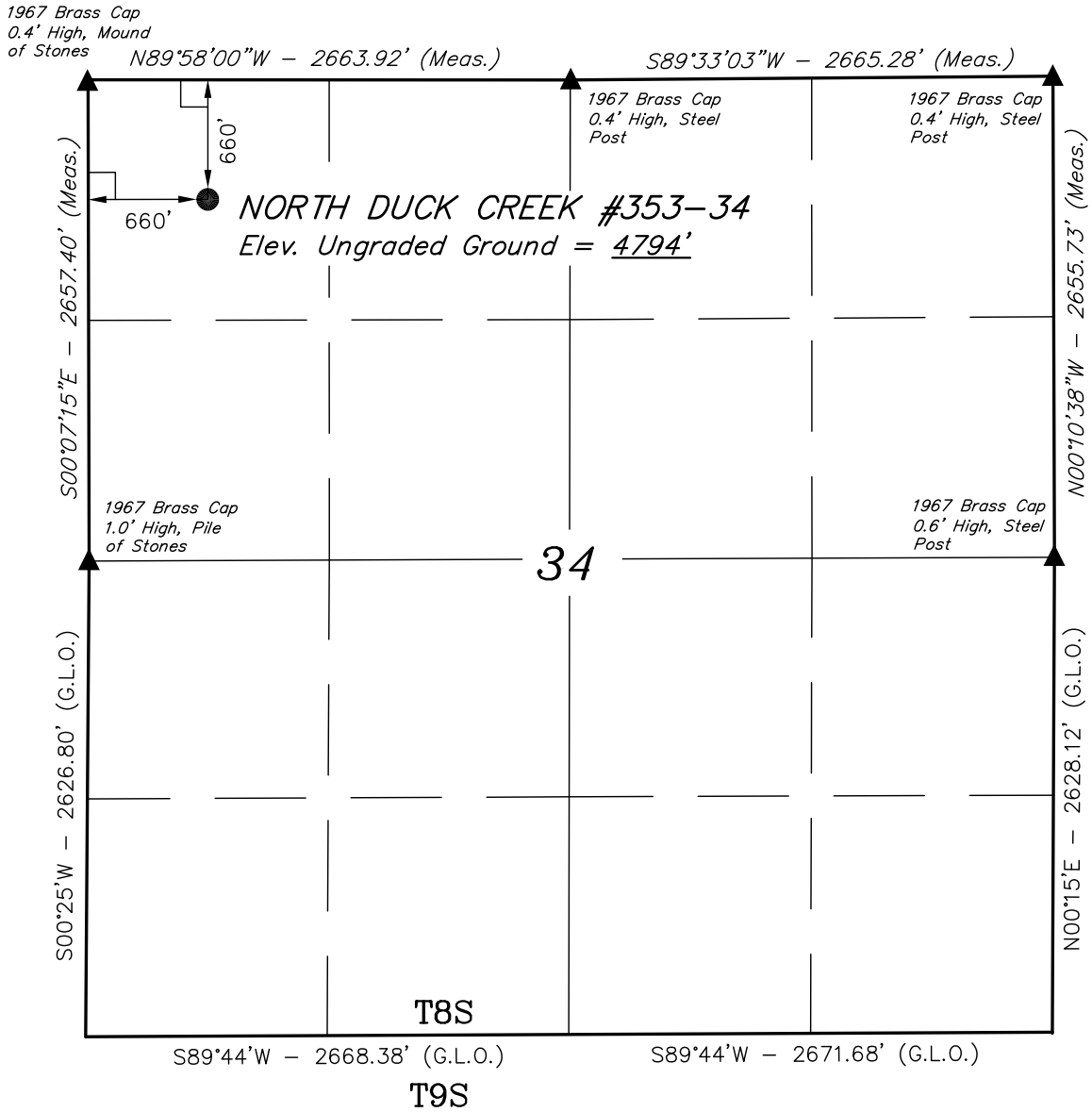
Well location, NORTH DUCK CREEK #353–34, located as shown in the NW 1/4 NW 1/4 of Section 34, T8S, R21E, S.L.B.&M., Uintah County, Utah.

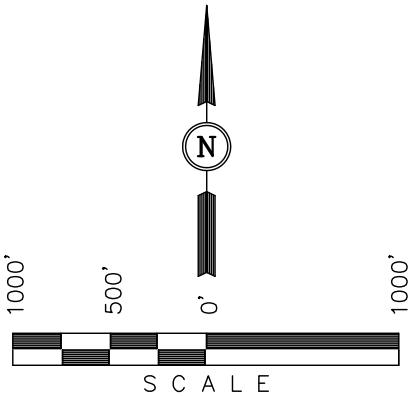
BASIS OF ELEVATION

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

BASIS OF BEARINGS

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





CERTIFICATE

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

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

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

LEGEND:

└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

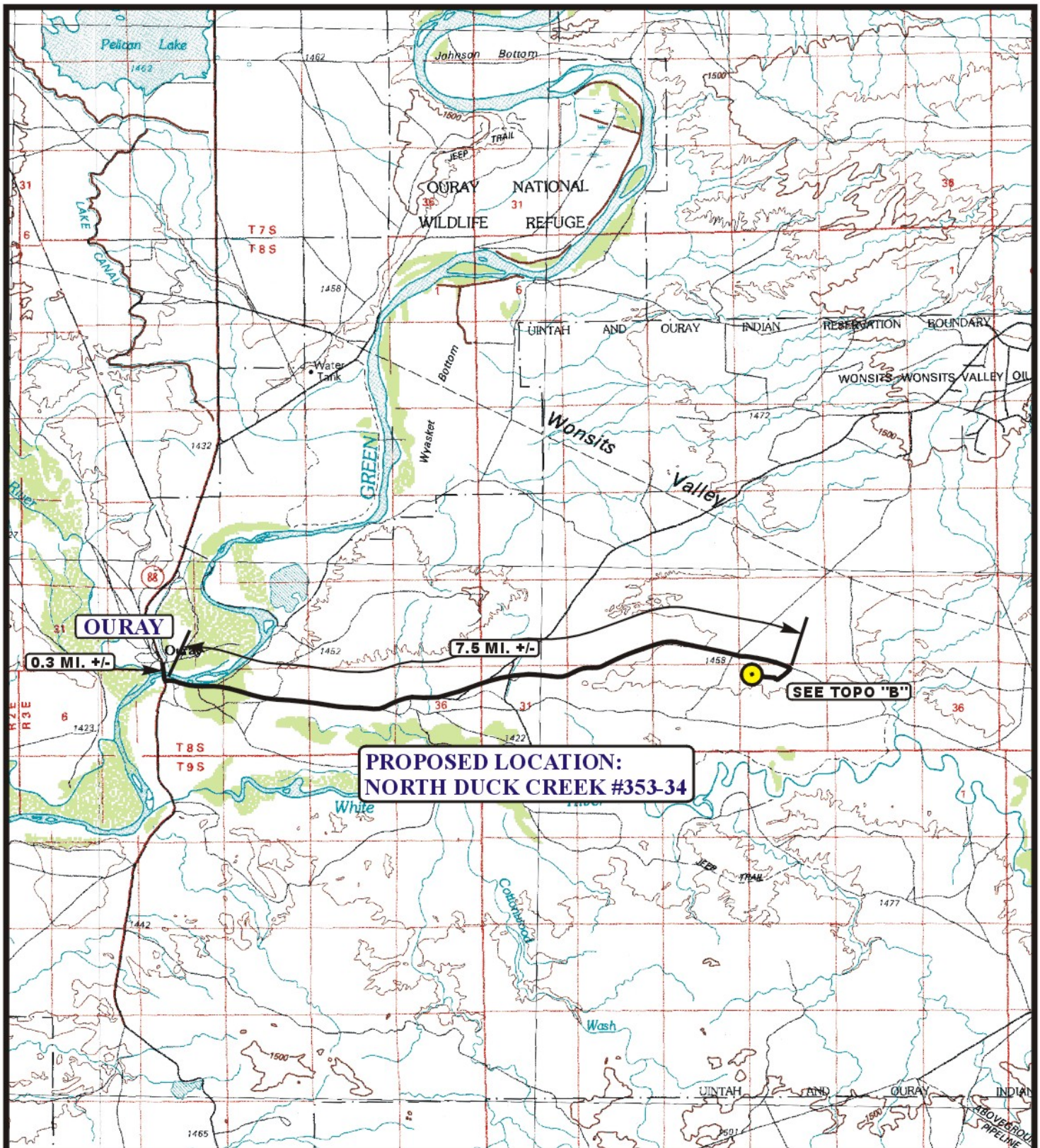
(NAD 83)
LATITUDE = 40°05'06.15" (40.085042)
LONGITUDE = 109°32'49.05" (109.546958)
(NAD 27)
LATITUDE = 40°05'06.28" (40.085078)
LONGITUDE = 109°32'46.57" (109.546269)

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

SCALE 1" = 1000'	DATE SURVEYED: 11–29–10	DATE DRAWN: 12–04–10
PARTY G.S. T.H. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE EOG RESOURCES, INC.	

RECEIVED: November 04, 2011

API Well Number: 43047521730000



LEGEND:

PROPOSED LOCATION

N

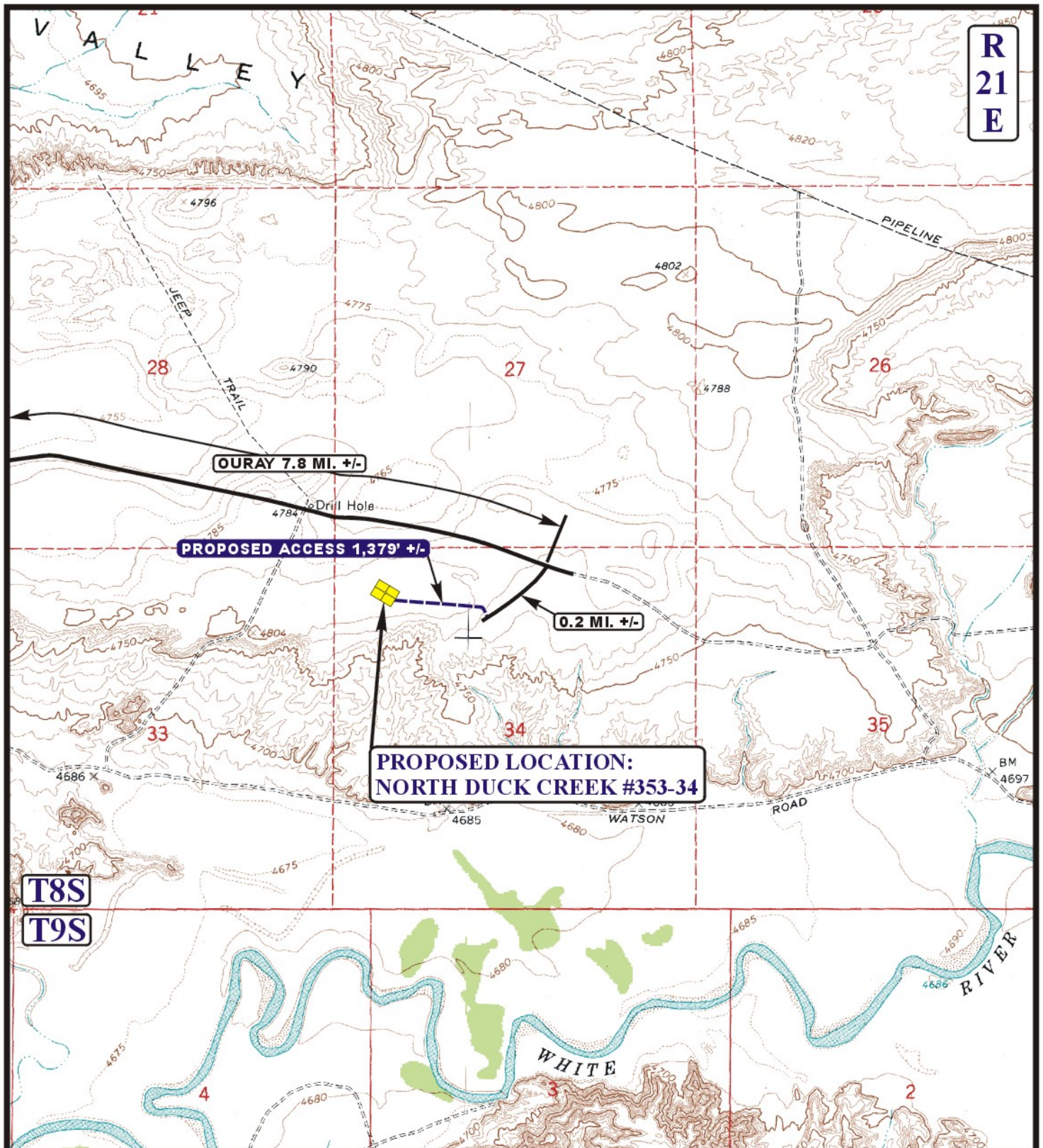
EOG RESOURCES, INC.

NORTH DUCK CREEK #353-34
SECTION 34, T8S, R21E, S.L.B.&M.
660' FNL 660' FWL

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

TOPOGRAPHIC MAP	12 MONTH	08 DAY	10 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: Z.L.	REVISED: 00-00-00		

API Well Number: 43047521730000



LEGEND:

EXISTING ROAD

PROPOSED ACCESS ROAD

N

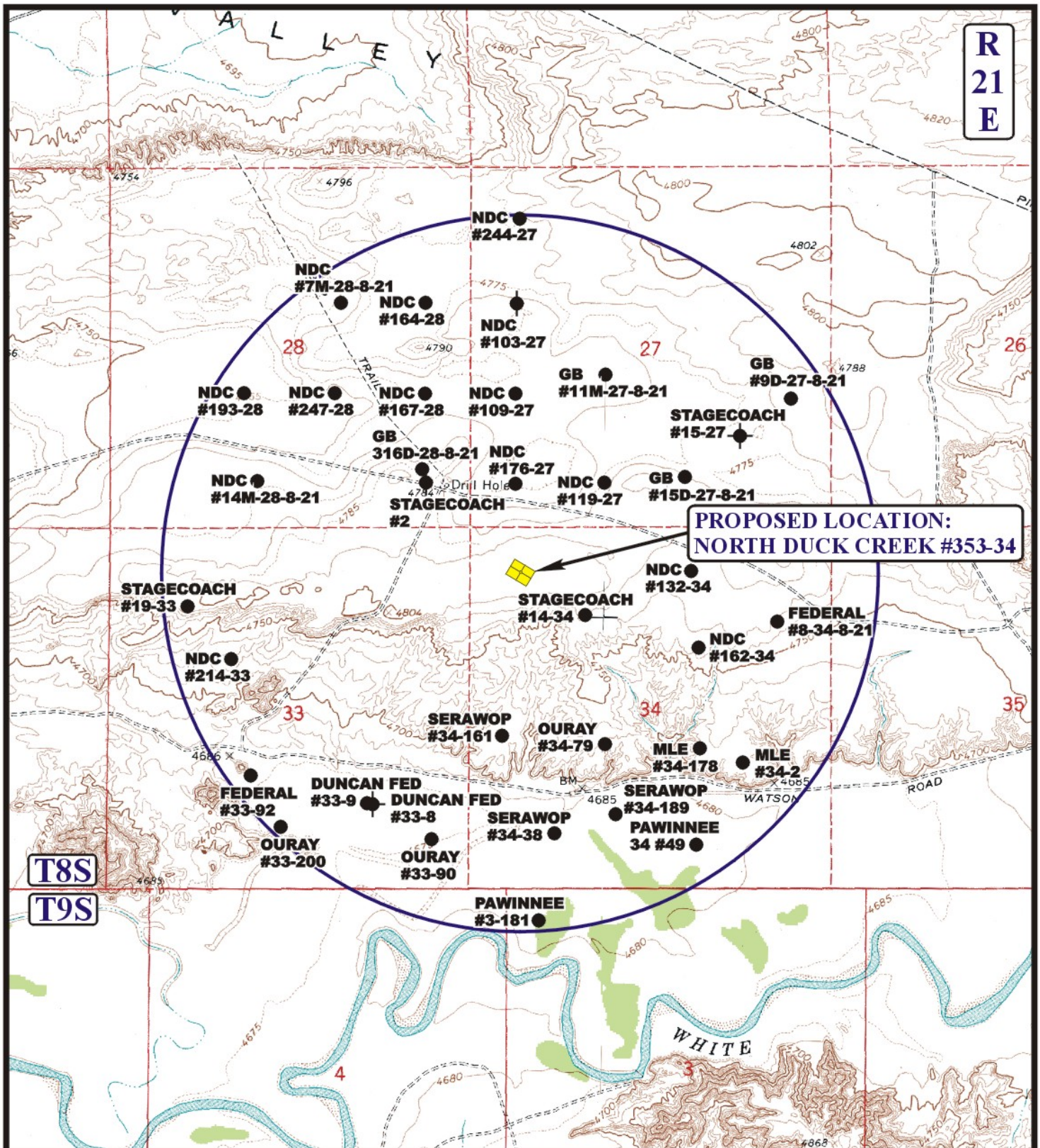
EOG RESOURCES, INC.

NORTH DUCK CREEK #353-34
SECTION 34, T8S, R21E, S.L.B.&M.
660' FNL 660' FWL

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

TOPOGRAPHIC MAP	12 MONTH	08 DAY	10 YEAR	B TOPO
SCALE: 1" = 2000'	DRAWN BY: Z.L.	REVISED: 00-00-00		

API Well Number: 43047521730000



LEGEND:

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

N

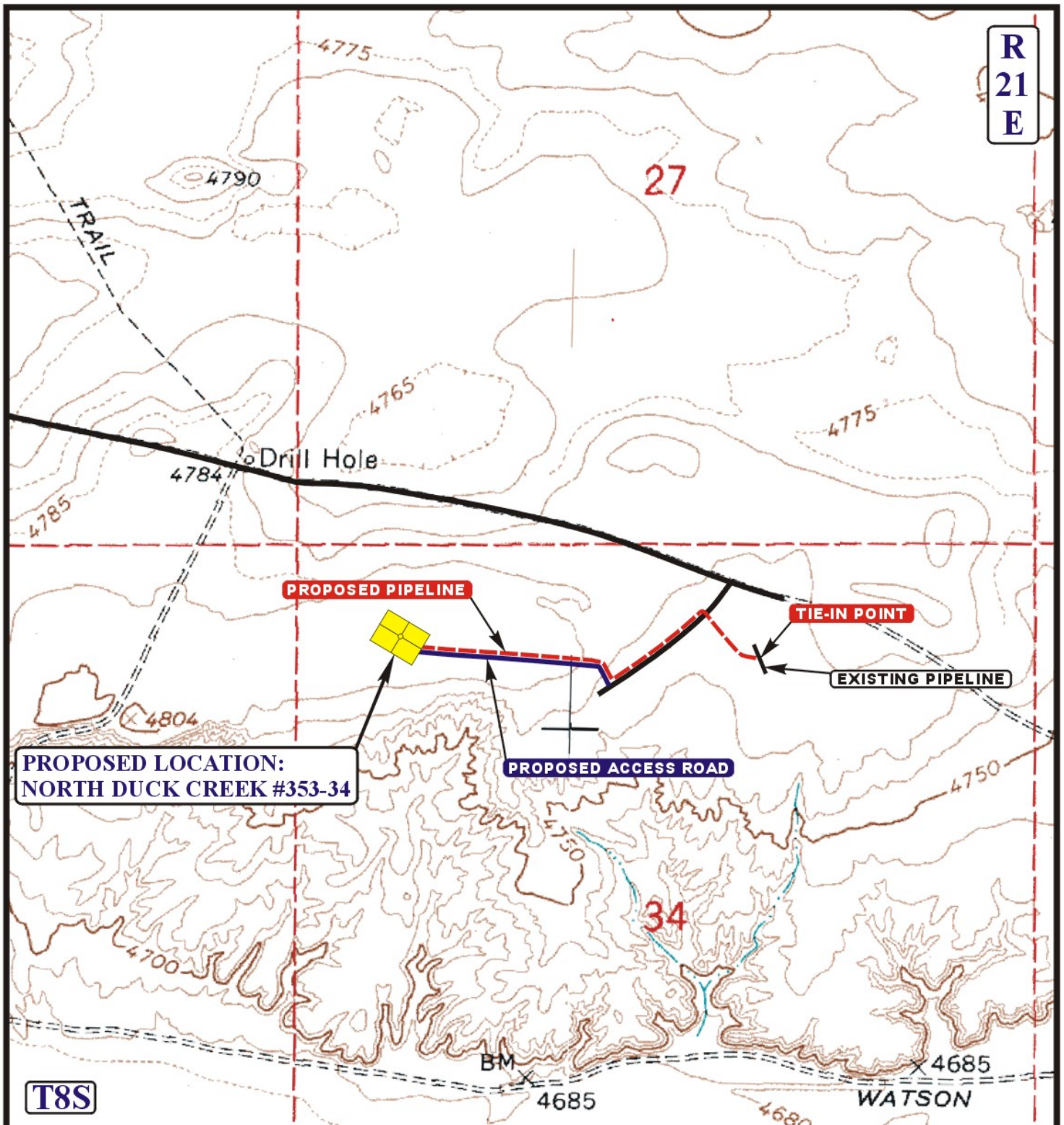
EOG RESOURCES, INC.

NORTH DUCK CREEK #353-34
SECTION 34, T8S, R21E, S.L.B.&M.
660' FNL 660' FWL

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

TOPOGRAPHIC MAP	12 MONTH	08 DAY	10 YEAR	C TOPO
SCALE: 1" = 2000'	DRAWN BY: Z.L.	REVISED: 00-00-00		

API Well Number: 43047521730000



APPROXIMATE TOTAL PIPELINE DISTANCE = 2,851' +/-

LEGEND:

PROPOSED ACCESS ROAD
EXISTING PIPELINE
PROPOSED PIPELINE

N

EOG RESOURCES, INC.

NORTH DUCK CREEK #353-34
SECTION 34, T8S, R21E, S.L.B.&M.
660' FNL 660' FWL

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

TOPOGRAPHIC MAP	12 MONTH	08 DAY	10 YEAR	D TOPO
SCALE: 1" = 1000'	DRAWN BY: Z.L.	REVISED: 00-00-00		

North Duck Creek 353-34
NWNW, Section 34, T8S, R21E
Uintah County, Utah

SURFACE USE PLAN

The well pad is approximately 435 feet long with a 335-foot width, with the area of maximum disturbance containing 3.345 acres more or less. Approximately 1,379' of new access will be used to access the proposed location. Approximately 2,851' of new pipeline will tie-in on the well pad. The referenced well pad is a new pad.

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 39.3 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 1,379' in length; culverts will be installed on an as-needed basis. See attached Topo B.

B. The access road has a 30-foot right-of-way 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 30-foot permanent right-of-way is requested. No surfacing material will used.

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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. Access roads and surface disturbing activities will conform to standards outlined in the Bureau of Land Management and Forest Service 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.

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 30-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 roadbed block the drainages. 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 then 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 30-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, Third 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 and/or one (1) 300-bbl vertical tanks and attaching piping.

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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 2,851' x 30'. The proposed pipeline leaves the southeast edge of the well pad (Lease UTU38407) proceeding in a southeasterly direction for an approximate distance of 2,851' tieing into an existing pipeline in the NENW of Section 34, T8S, R21E. Pipe will be 4" NOM, 0.156 wall, Grade X42, Zap-Lock, electric weld with a 35 mil X-Tru coating.

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. A 30-foot permanent pipeline right-of-way is requested.

7. 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.

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7. METHODS OF HANDLING WASTE DISPOSAL:

A. METHODS AND LOCATION

1. Cuttings will be confined and dried within the cuttings pit. Dried cuttings shall be spread on the access road and well pad.

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 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, 6, or 7, or Coyote Evaporation Ponds 1, 2, 3, or 4, or White River Evaporation Ponds 1, or 2, or Hoss SWD Facility, right-of-way UTU 86010, UTU 897093 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 at an authorized disposal site. Introduction of well bore hydrocarbons to the closed loop system will be avoided by flaring them off in the flare pit at the time of recovery.

The referenced well will be drilling utilizing a closed loop system. The closed loop system will be installed in a manner that preventing leaks, breaks, or discharge. Drill cutting will be contained in an area approximately 50’ x 100’. The drill cuttings area will be bermed and lined with bentonite. Drill cuttings will be dried and spread on location, containment berms and/or the authorized access road.

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

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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:*

An H2S treater may be installed onsite if deemed necessary. No new surface disturbance will occur.

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 proposed location will be drilled utilizing a closed loop system.

The stockpiled location topsoil will be stored in a location providing easy access for interim reclamation and protect of the topsoil. Upon completion of construction, the stockpiled topsoil from the location will be broadcast seeded with the approved seed mixture from this location and then walked down with a Caterpillar tractor.

Access to the well pad will be from the southeast.

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.

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The portion of the location not needed for production facilities/operations will be reclaimed – See attached Figure #3. The closed loop system will be reclaimed within 90 days from the date of the well completion, or as soon as environmental conditions allow.

The stockpiled topsoil will then be spread over the reclamation area and broadcast seeded with the prescribed seed mixture for this location as authorized within EOG's reclamation plan filed September 29, 2009.

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:

Ute Indian Tribe

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

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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 or 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 survey was conducted and submitted by Montgomery Archaeological Consultants Report No. 11-098. A paleontological survey was conducted and submitted by Intermountain Paleo Report No. 11-47.

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Mickenzie Gates
EOG Resources, Inc.
1060 East Highway 40
Vernal, UT 84078
(435) 781-9145

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.

The operator or his/her contractor shall contact the Ute Indian Tribe forty-eight (48) hours prior to construction activities and an authorized officer with the Ute Indian Tribe at (435) 725-4950.

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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 North Duck Creek 353-34 Well, located in the NWNW, of Section 34, T8S, R21E, Uintah County, Utah; Federal land and minerals; and is responsible under the terms and conditions of the lease for the operations conducted upon the leaseLd lands. Bond Coverage is under Bond # NM 2308.

_____ _____

Date Mickenzie Gates, Regulatory Assistant

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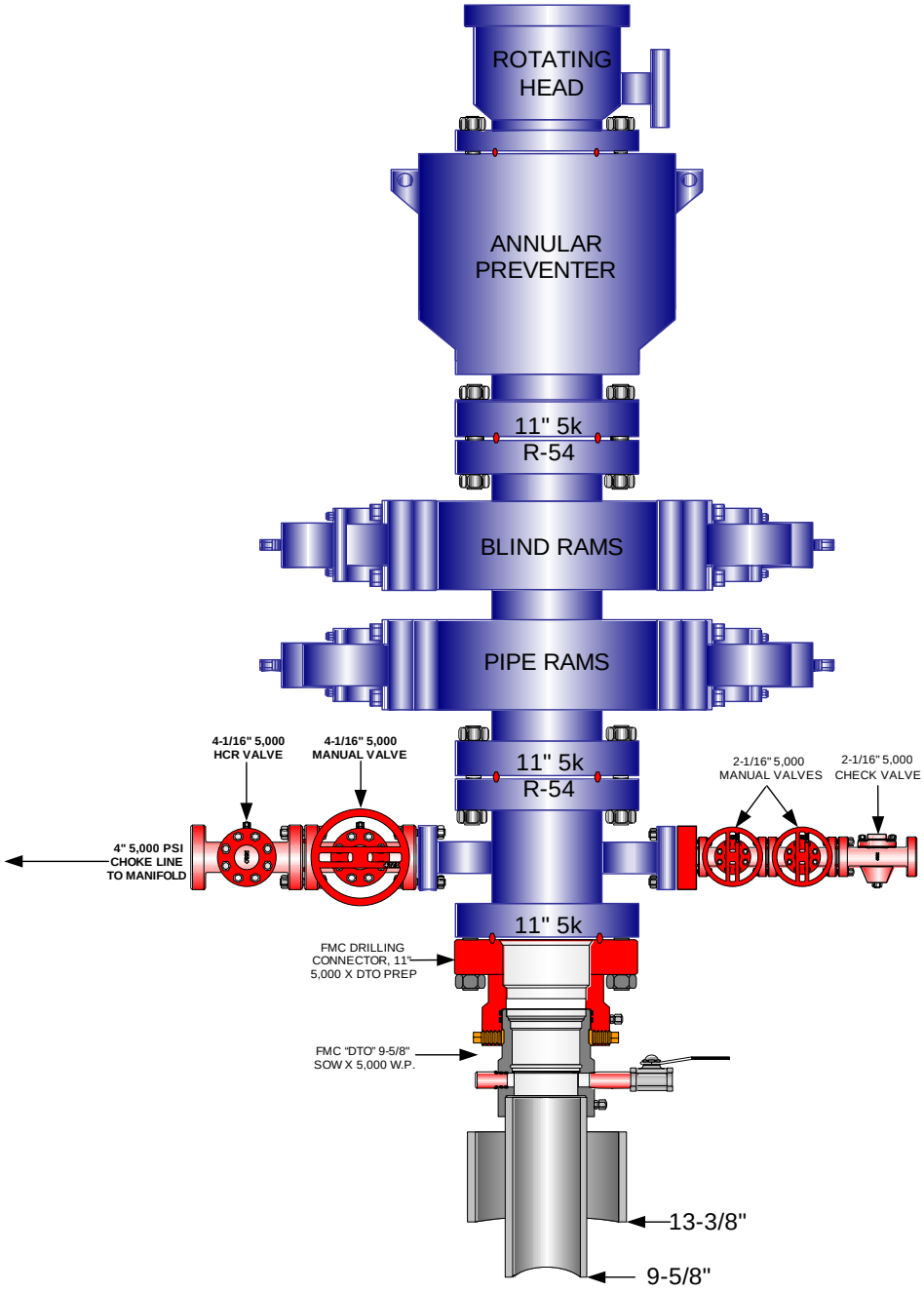
EOG RESOURCES 11" 5,000 PSI W.P. BOP CONFIGURATION



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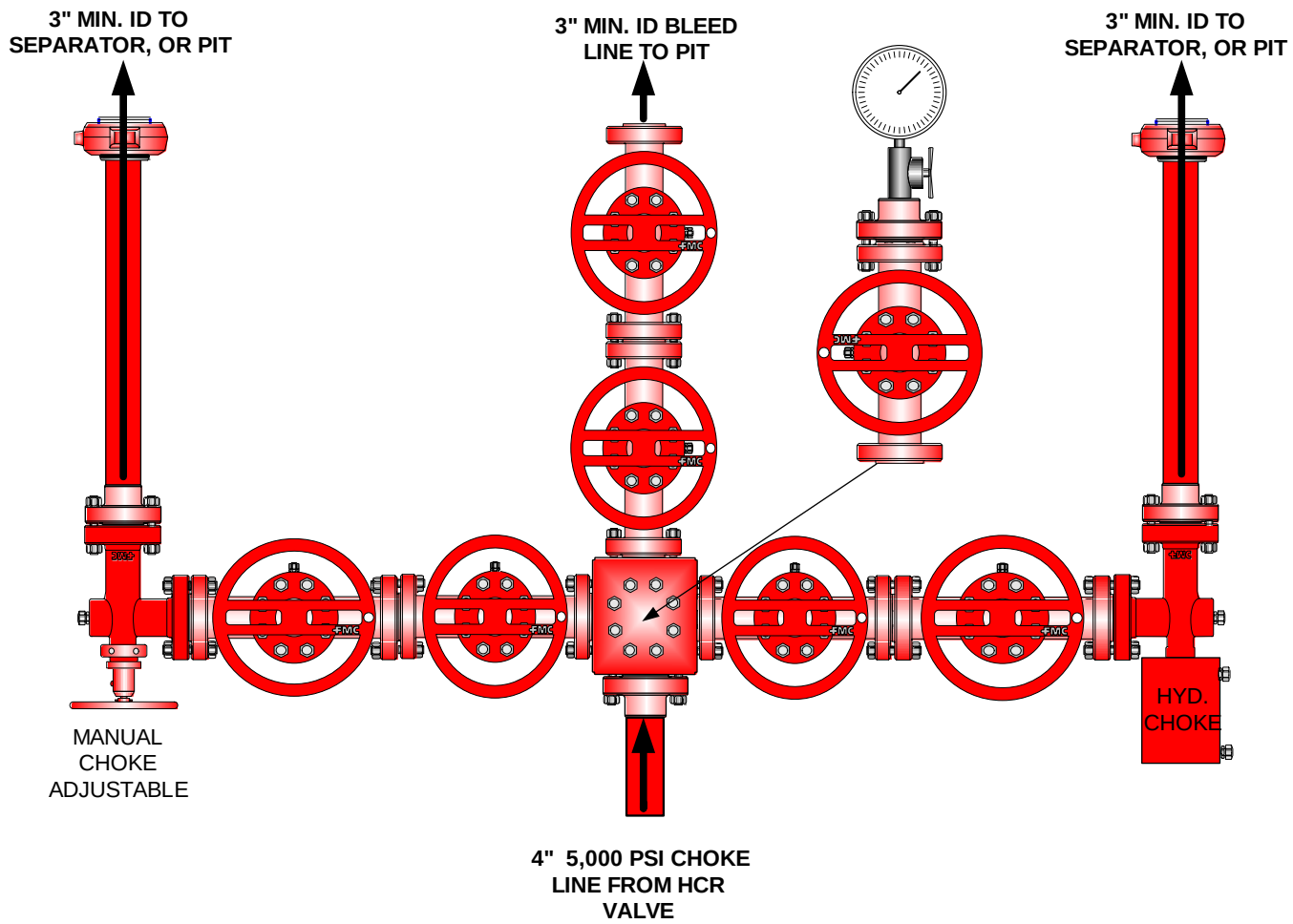
EOG RESOURCES CHOKE MANIFOLD CONFIGURATION W/ 5,000 PSI WP VALVES



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.

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EOG RESOURCES, INC.

NORTH DUCK CREEK #353-34

LOCATED IN UINTAH COUNTY, UTAH
SECTION 34, T8S, R21E, S.L.B.&M.

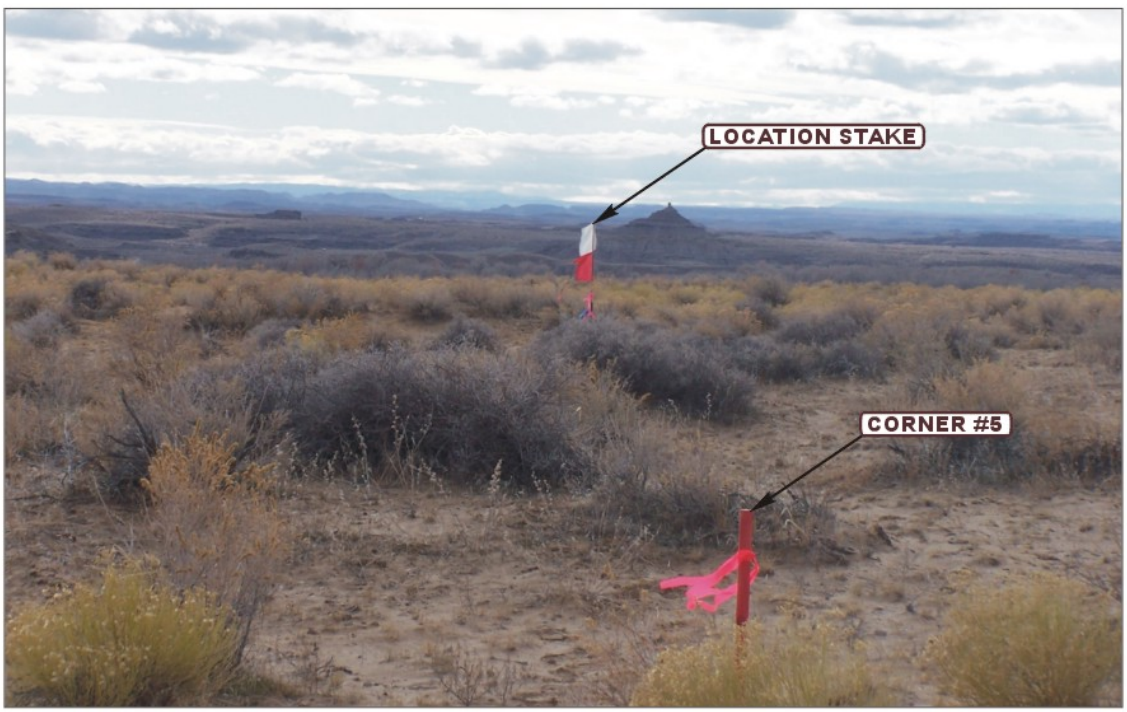


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE — CAMERA ANGLE: SOUTHWESTERLY

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

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

LOCATION PHOTOS	12 MONTH	08 DAY	10 YEAR	PHOTO
TAKEN BY: G.S.	DRAWN BY: Z.L.	REVISED: 00-00-00		

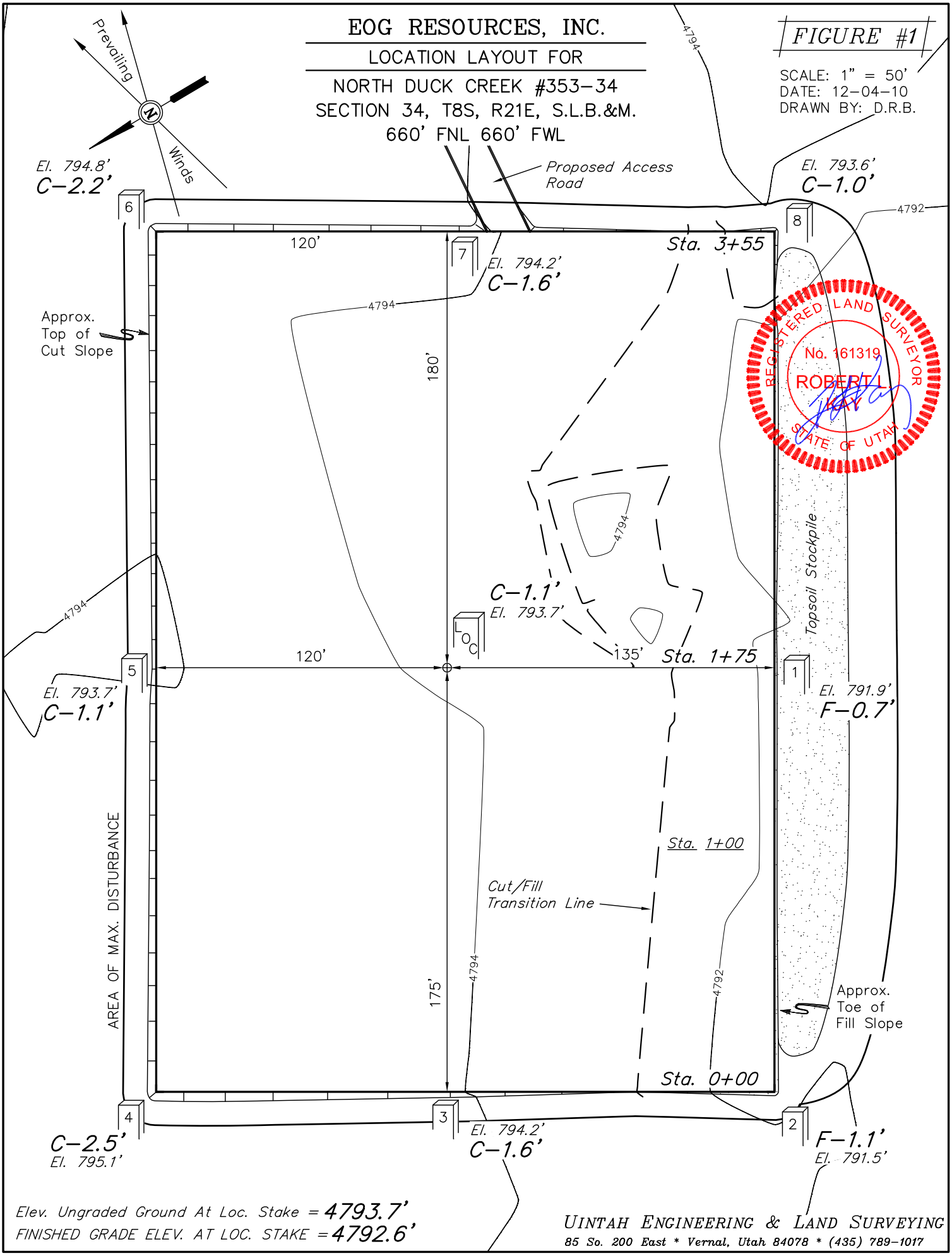
EOG RESOURCES, INC.

LOCATION LAYOUT FOR

NORTH DUCK CREEK #353-34
SECTION 34, T8S, R21E, S.L.B.&M.
660' FNL 660' FWL

FIGURE #1

SCALE: 1" = 50'
DATE: 12-04-10
DRAWN BY: D.R.B.



Elev. Ungraded Ground At Loc. Stake = 4793.7'
FINISHED GRADE ELEV. AT LOC. STAKE = 4792.6'

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

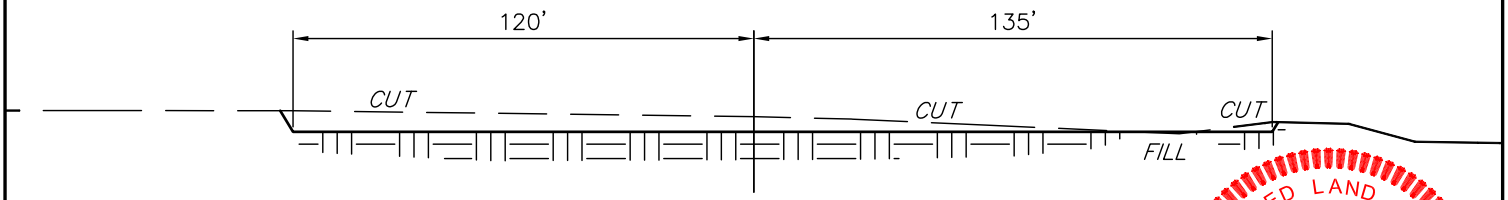
DATE: 12-04-10
DRAWN BY: D.R.B..

EOG RESOURCES, INC.

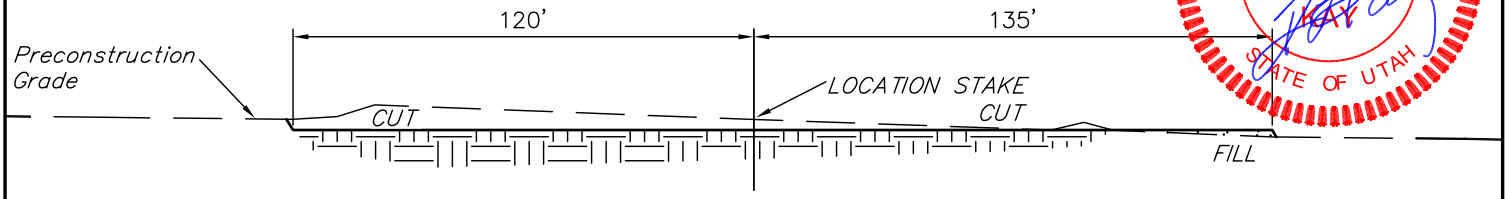
TYPICAL CROSS SECTIONS FOR

NORTH DUCK CREEK #353-34
SECTION 34, T8S, R21E, S.L.B.&M.
660' FNL 660' FWL

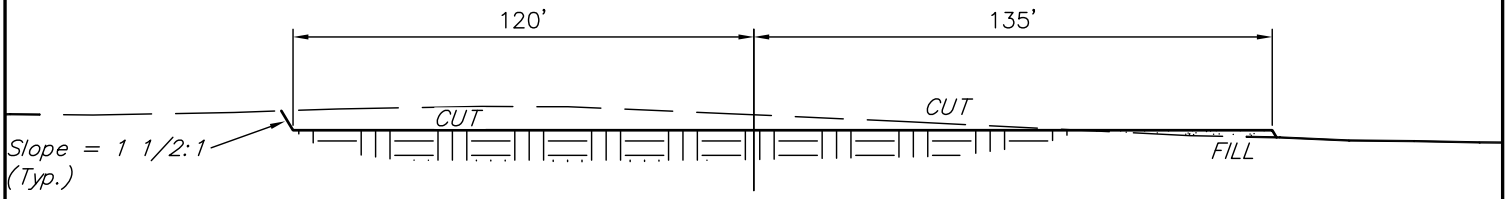
FIGURE #2



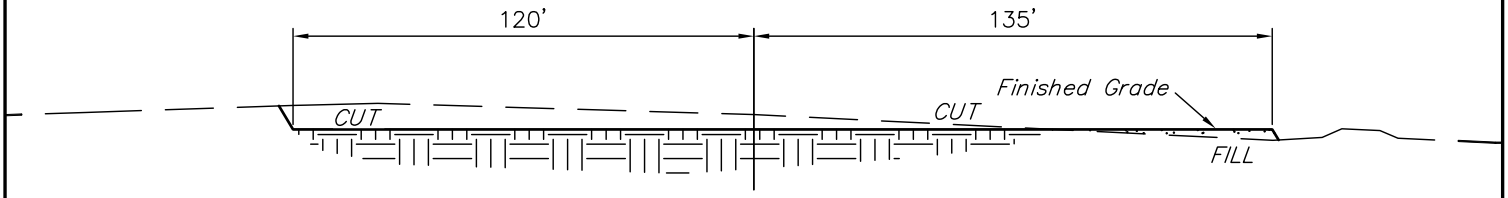
STA. 3+55



STA. 1+75



STA. 0+75



STA. 0+00

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

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

APPROXIMATE ACREAGES

WELL SITE DISTURBANCE	= ± 3.345 ACRES
ACCESS ROAD DISTURBANCE	= ± 0.950 ACRES
PIPELINE DISTURBANCE	= ± 1.963 ACRES
TOTAL	= ± 6.258 ACRES

* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

(12") Topsoil Stripping	=	3,440 Cu. Yds.
Remaining Location	=	1,510 Cu. Yds.
TOTAL CUT	=	4,950 CU.YDS.
FILL	=	1,510 CU.YDS.

EXCESS MATERIAL	=	3,440 Cu. Yds.
Topsoil	=	3,440 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	=	0 Cu. Yds.

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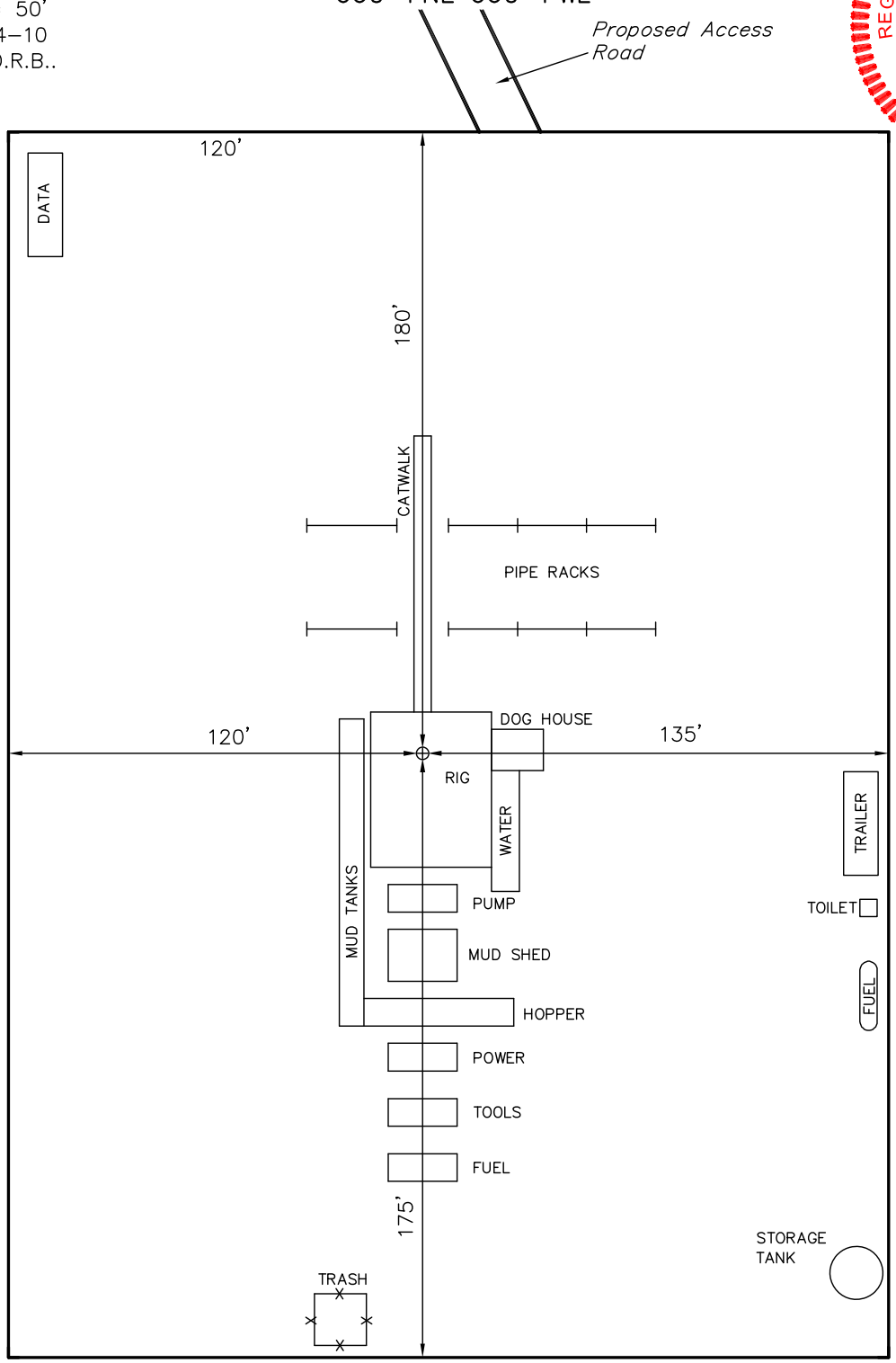
TYPICAL RIG LAYOUT FOR

NORTH DUCK CREEK #353-34
SECTION 34, T8S, R21E, S.L.B.&M.
660' FNL 660' FWL

FIGURE #3

SCALE: 1" = 50'
DATE: 12-04-10
DRAWN BY: D.R.B..

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



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EOG RESOURCES, INC.

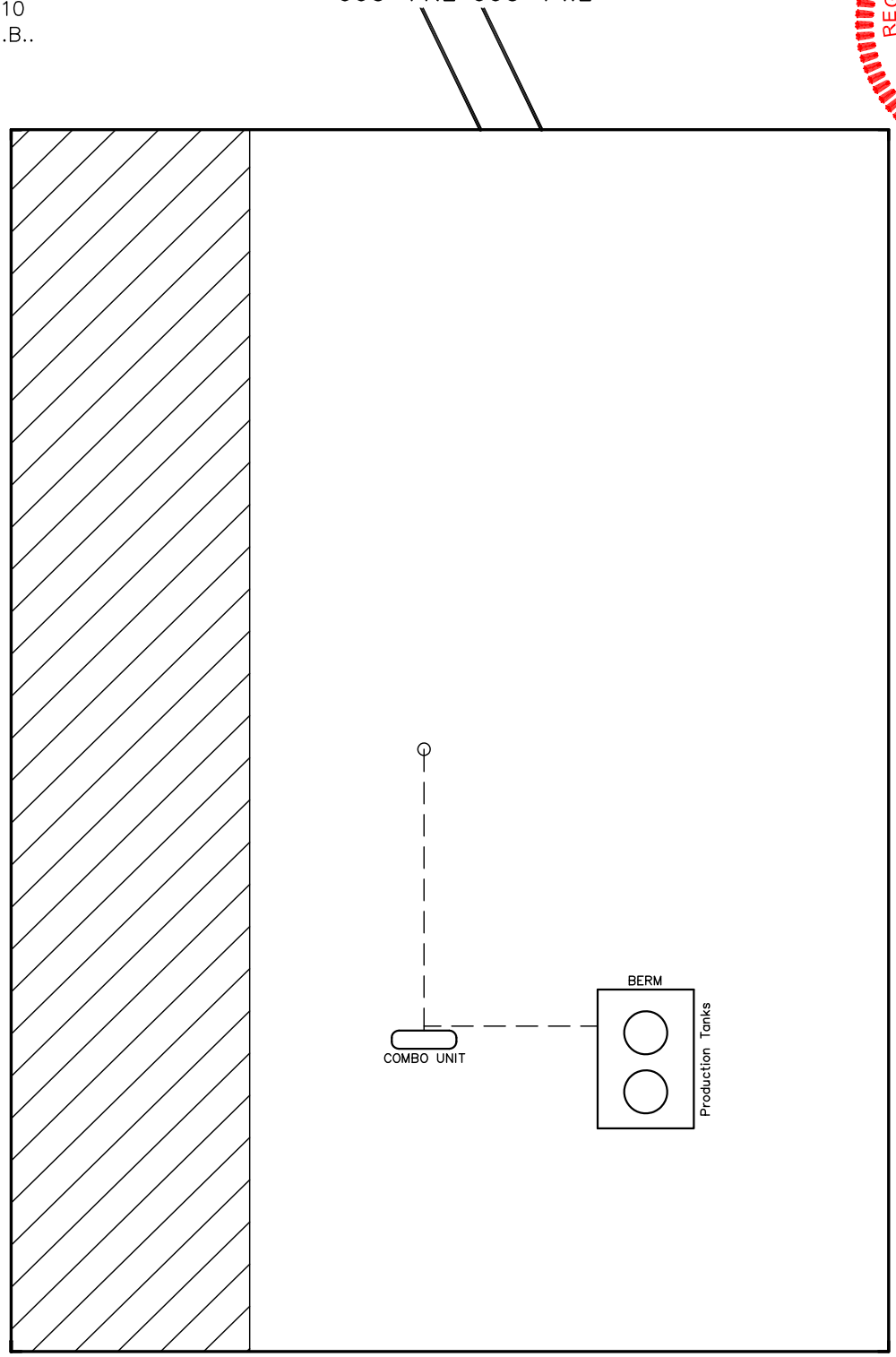
PRODUCTION FACILITY LAYOUT FOR

NORTH DUCK CREEK #353-34
SECTION 34, T8S, R21E, S.L.B.&M.
660' FNL 660' FWL

FIGURE #4

SCALE: 1" = 50'
DATE: 12-04-10
DRAWN BY: D.R.B..

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



RECLAIMED AREA

UINTAH ENGINEERING & LAND SURVEYING
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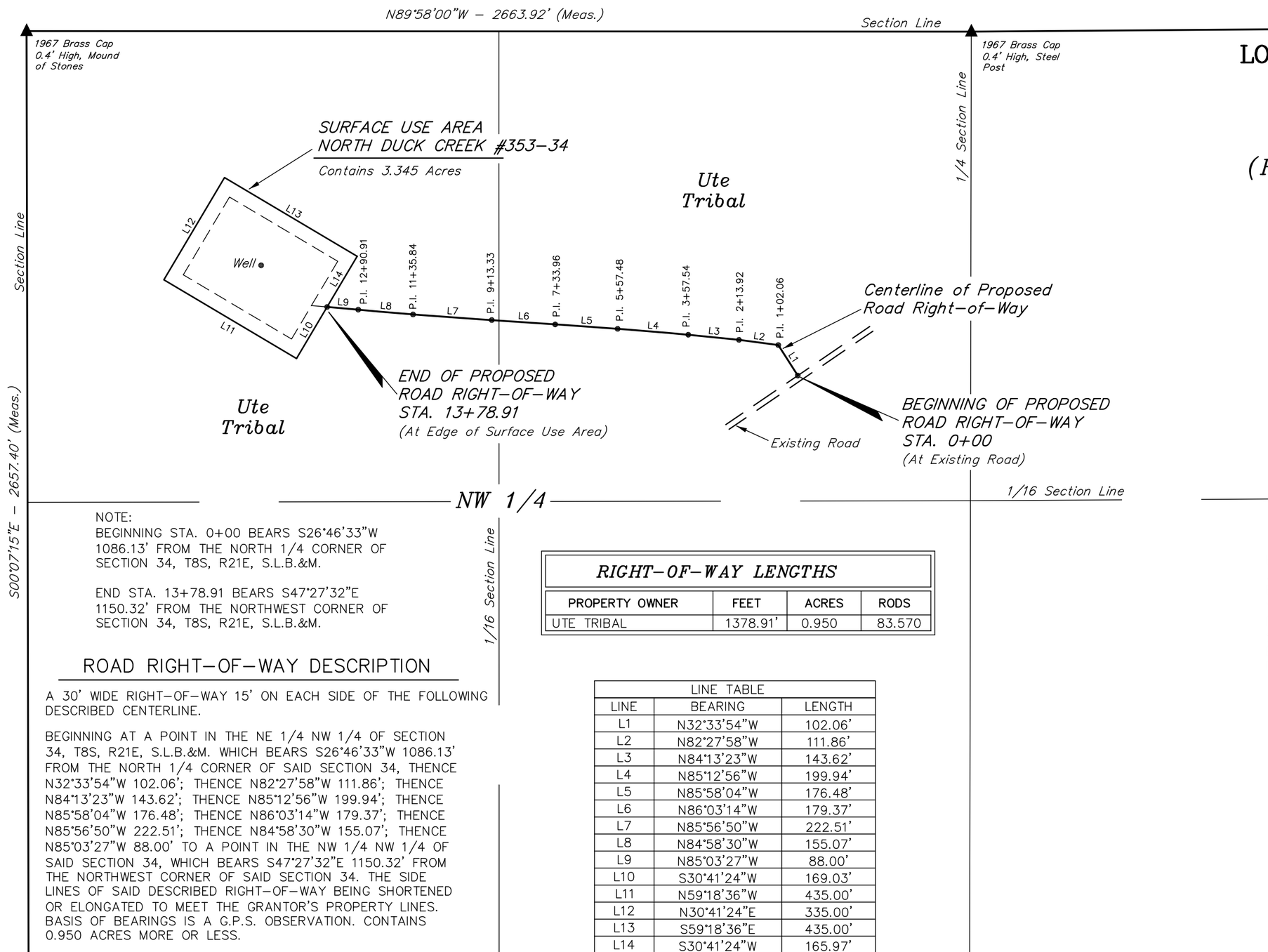
RECEIVED: November 04, 2011

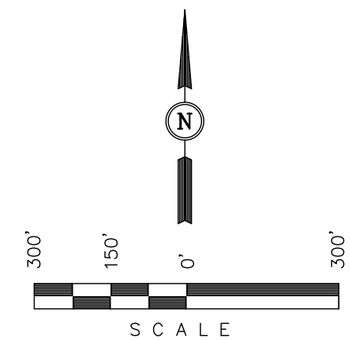
EOG RESOURCES, INC.

LOCATION SURFACE USED AREA & ROAD RIGHT–OF–WAY ON UTE TRIBAL LANDS

(For NORTH DUCK CREEK #353–34)

LOCATED IN
SECTION 34, T8S, R21E, S.L.B.&M.
UINTAH COUNTY, UTAH





NOTE:
BEGINNING STA. 0+00 BEARS S26°46'33"W 1086.13' FROM THE NORTH 1/4 CORNER OF SECTION 34, T8S, R21E, S.L.B.&M.

END STA. 13+78.91 BEARS S47°27'32"E 1150.32' FROM THE NORTHWEST CORNER OF SECTION 34, T8S, R21E, S.L.B.&M.

ROAD RIGHT–OF–WAY DESCRIPTION

A 30' WIDE RIGHT–OF–WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE NE 1/4 NW 1/4 OF SECTION 34, T8S, R21E, S.L.B.&M. WHICH BEARS S26°46'33"W 1086.13' FROM THE NORTH 1/4 CORNER OF SAID SECTION 34, THENCE N32°33'54"W 102.06'; THENCE N82°27'58"W 111.86'; THENCE N84°13'23"W 143.62'; THENCE N85°12'56"W 199.94'; THENCE N85°58'04"W 176.48'; THENCE N86°03'14"W 179.37'; THENCE N85°56'50"W 222.51'; THENCE N84°58'30"W 155.07'; THENCE N85°03'27"W 88.00' TO A POINT IN THE NW 1/4 NW 1/4 OF SAID SECTION 34, WHICH BEARS S47°27'32"E 1150.32' FROM THE NORTHWEST CORNER OF SAID SECTION 34. THE SIDE LINES OF SAID DESCRIBED RIGHT–OF–WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 0.950 ACRES MORE OR LESS.

RIGHT–OF–WAY LENGTHS

PROPERTY OWNER	FEET	ACRES	RODS
UTE TRIBAL	1378.91'	0.950	83.570

LINE TABLE

LINE	BEARING	LENGTH
L1	N32°33'54"W	102.06'
L2	N82°27'58"W	111.86'
L3	N84°13'23"W	143.62'
L4	N85°12'56"W	199.94'
L5	N85°58'04"W	176.48'
L6	N86°03'14"W	179.37'
L7	N85°56'50"W	222.51'
L8	N84°58'30"W	155.07'
L9	N85°03'27"W	88.00'
L10	S30°41'24"W	169.03'
L11	N59°18'36"W	435.00'
L12	N30°41'24"E	335.00'
L13	S59°18'36"E	435.00'
L14	S30°41'24"W	165.97'

SURFACE USE AREA DESCRIPTION

BEGINNING AT A POINT IN THE NW 1/4 NW 1/4 OF SECTION 34, T8S, R21E, S.L.B.&M. WHICH BEARS S47°27'32"E 1150.32' FROM THE NORTHWEST CORNER OF SAID SECTION 34, THENCE S30°41'24"W 169.03'; THENCE N59°18'36"W 435.00'; THENCE N30°41'24"E 335.00'; THENCE S59°18'36"E 435.00'; THENCE S30°41'24"W 165.97' TO THE POINT OF BEGINNING. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 3.345 ACRES MORE OR LESS.

BASIS OF BEARINGS

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

▲ = SECTION CORNERS LOCATED.

CERTIFICATE

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

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

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

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

SCALE 1" = 300'	DATE 12–05–10
PARTY G.S. T.H. D.R.B.	REFERENCES G.L.O. PLAT
WEATHER COLD	FILE 5 0 1 9 1

RECEIVED: November 04, 2011

EOG RESOURCES, INC.
NORTH DUCK CREEK #353-34
SURFACE USE AREA & ROAD RIGHT-OF-WAY
SECTION 34, T8S, R21E, S.L.B.&M.

TOTAL ROAD RIGHT-OF-WAY ON UTE TRIBAL LANDS

TOTAL LENGTH OF RIGHT-OF-WAY IS 1378.91' OR 0.261 MILES. WIDTH OF RIGHT-OF-WAY IS 30' (15' PERPENDICULAR ON EACH SIDE OF THE CENTERLINE). CONTAINS 0.950 ACRES MORE OR LESS.

ENGINEER'S AFFIDAVIT

STATE OF UTAH)
) SS
COUNTY OF UINTAH)

ROBERT L. KAY, BEING FIRST DULY SWORN DEPOSES AND STATES THAT HE IS THE REGISTERED LAND SURVEYOR, FOR EOG RESOURCES, INC., THAT THESE SURVEYS WERE MADE BY HIM (OR UNDER HIS SUPERVISION), THAT HE HAS EXAMINED THE FIELD NOTES OF THE SURVEYS OF THE SURFACE USE AREA AND ROAD RIGHT-OF-WAY AS DESCRIBED AND SHOWN ON THIS MAP, THAT THIS MAP WAS PREPARED UNDER HIS DIRECTION FROM SAID FIELD NOTES, AND THAT SAID RIGHT-OF-WAY, 0.261 MILES IN LENGTH BEGINNING AND ENDING AS SHOWN ON THIS MAP IS ACCURATELY REPRESENTED.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

ACKNOWLEDGEMENT

SUBSCRIBED AND SWORN BEFORE ME THIS _____ DAY OF _____ 2010.

MY COMMISSION EXPIRES _____.

NOTARY PUBLIC
VERNAL, UTAH

APPLICANT'S CERTIFICATE

I, _____, DO HEREBY CERTIFY THAT I AM THE AGENT FOR EOG RESOURCES, INC., HEREINAFTER DESIGNATED THE APPLICANT; THAT ROBERT L. KAY WHO SUBSCRIBED TO THE FOREGOING AFFIDAVIT, IS EMPLOYED BY THE APPLICANT AS A LAND SURVEYOR AND THAT HE WAS DIRECTED BY THE APPLICANT TO SURVEY THE LOCATION OF THIS SURFACE USE AREA AND ROAD RIGHT-OF-WAY, 0.261 MILES IN LENGTH BEGINNING AT STA. 0+00 AND ENDING AT STA. 13+78.91, THAT SAID SURFACE USE AREA AND ROAD RIGHT-OF-WAY ARE ACCURATELY REPRESENTED ON THIS MAP; THAT SUCH SURVEY AS REPRESENTED ON THIS MAP HAS BEEN ADOPTED BY THE APPLICANT AS THE DEFINITE LOCATION OF THE RIGHT-OF-WAY THEREBY SHOWN; AND THAT THE MAP HAS BEEN PREPARED TO BE FILED WITH THE SECRETARY OF THE INTERIOR OR HIS DULY AUTHORIZED REPRESENTATIVE AS PART OF THE APPLICATION FOR SAID RIGHT-OF-WAY TO BE GRANTED THE APPLICANT, ITS SUCCESSORS AND ASSIGNS, WITH THE RIGHT TO CONSTRUCT, MAINTAIN, AND REPAIR IMPROVEMENTS, THEREON AND THEREOVER, FOR SUCH PURPOSES, AND WITH THE FURTHER RIGHT IN THE APPLICANT, ITS SUCCESSORS AND ASSIGNS TO TRANSFER THIS RIGHT-OF-WAY BY ASSIGNMENT, GRANT, OR OTHERWISE.

APPLICANT

AGENT

TITLE

RECEIVED: November 04, 2011

RECEIVED: November 04, 2011

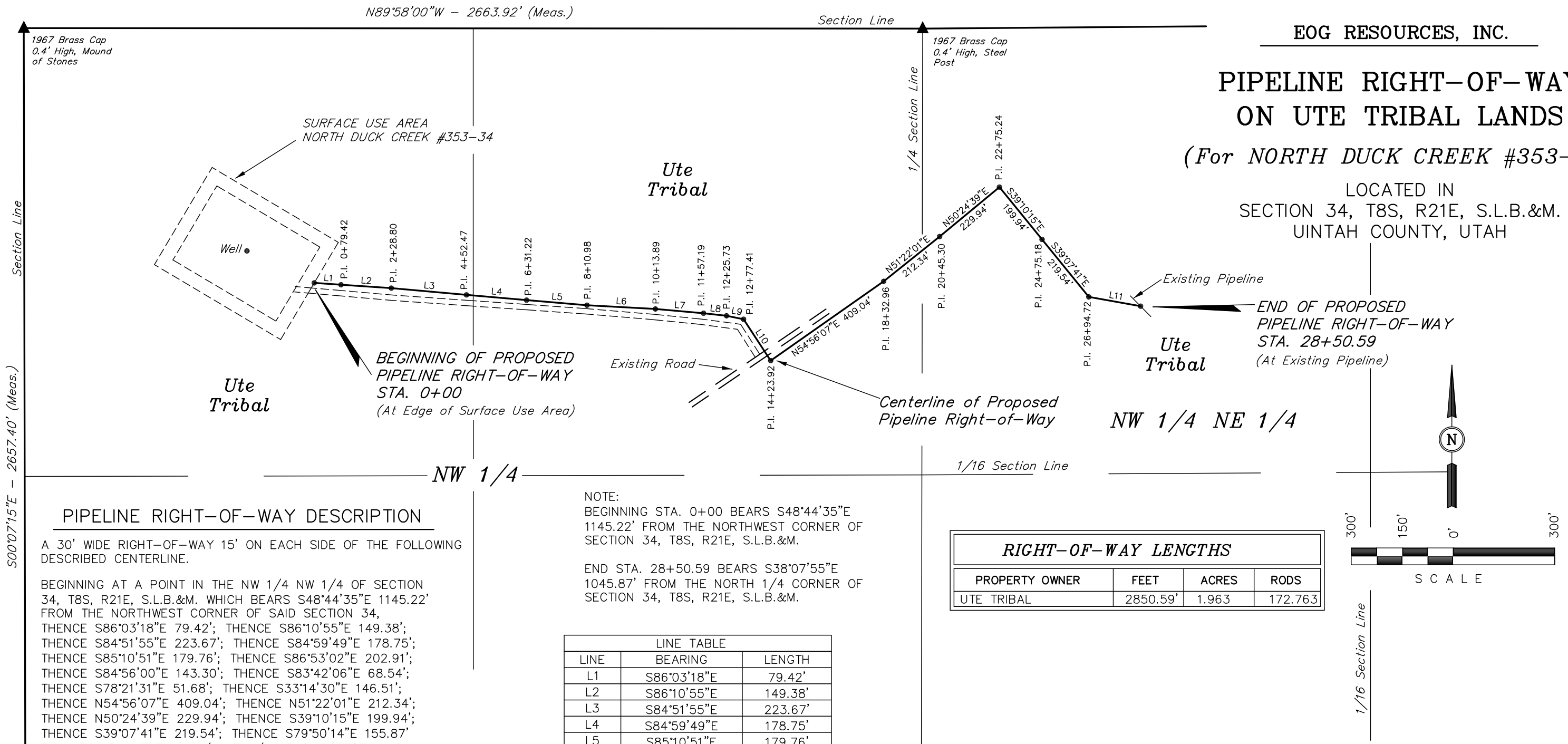
API Well Number: 43047521730000

EOG RESOURCES, INC.

PIPELINE RIGHT-OF-WAY ON UTE TRIBAL LANDS

(For NORTH DUCK CREEK #353-34)

LOCATED IN
SECTION 34, T8S, R21E, S.L.B.&M.
UINTAH COUNTY, UTAH



PIPELINE RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE NW 1/4 NW 1/4 OF SECTION 34, T8S, R21E, S.L.B.&M. WHICH BEARS S48°44'35"E 1145.22' FROM THE NORTHWEST CORNER OF SAID SECTION 34, THENCE S86°03'18"E 79.42'; THENCE S86°10'55"E 149.38'; THENCE S84°51'55"E 223.67'; THENCE S84°59'49"E 178.75'; THENCE S85°10'51"E 179.76'; THENCE S86°53'02"E 202.91'; THENCE S84°56'00"E 143.30'; THENCE S83°42'06"E 68.54'; THENCE S78°21'31"E 51.68'; THENCE S33°14'30"E 146.51'; THENCE N54°56'07"E 409.04'; THENCE N51°22'01"E 212.34'; THENCE N50°24'39"E 229.94'; THENCE S39°10'15"E 199.94'; THENCE S39°07'41"E 219.54'; THENCE S79°50'14"E 155.87' TO A POINT IN THE NW 1/4 NE 1/4 OF SAID SECTION 34, WHICH BEARS S38°07'55"E 1045.87' FROM THE NORTH 1/4 CORNER OF SAID SECTION 34. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 1.963 ACRES MORE OR LESS.

NOTE:
BEGINNING STA. 0+00 BEARS S48°44'35"E 1145.22' FROM THE NORTHWEST CORNER OF SECTION 34, T8S, R21E, S.L.B.&M.

END STA. 28+50.59 BEARS S38°07'55"E 1045.87' FROM THE NORTH 1/4 CORNER OF SECTION 34, T8S, R21E, S.L.B.&M.

LINE TABLE		
LINE	BEARING	LENGTH
L1	S86°03'18"E	79.42'
L2	S86°10'55"E	149.38'
L3	S84°51'55"E	223.67'
L4	S84°59'49"E	178.75'
L5	S85°10'51"E	179.76'
L6	S86°53'02"E	202.91'
L7	S84°56'00"E	143.30'
L8	S83°42'06"E	68.54'
L9	S78°21'31"E	51.68'
L10	S33°14'30"E	146.51'
L11	S79°50'14"E	155.87'

RIGHT-OF-WAY LENGTHS			
PROPERTY OWNER	FEET	ACRES	RODS
UTE TRIBAL	2850.59'	1.963	172.763

BASIS OF BEARINGS

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

▲ = SECTION CORNERS LOCATED.

CERTIFICATE

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

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

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

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

SCALE 1" = 300'	DATE 12-05-10
PARTY G.S. T.H. D.R.B.	REFERENCES G.L.O. PLAT
WEATHER COLD	FILE 5 0 1 9 2

EOG RESOURCES, INC.
NORTH DUCK CREEK #353-34
PIPELINE RIGHT-OF-WAY
SECTION 34, T8S, R21E, S.L.B.&M.

TOTAL PIPELINE RIGHT-OF-WAY ON UTE TRIBAL LANDS

TOTAL LENGTH OF RIGHT-OF-WAY IS 2850.59' OR 0.540 MILES. WIDTH OF RIGHT-OF-WAY IS 30' (15' PERPENDICULAR ON EACH SIDE OF THE CENTERLINE). CONTAINS 1.963 ACRES MORE OR LESS.

ENGINEER'S AFFIDAVIT

STATE OF UTAH)
) SS
COUNTY OF UINTAH)

ROBERT L. KAY, BEING FIRST DULY SWORN DEPOSES AND STATES THAT HE IS THE REGISTERED LAND SURVEYOR, FOR EOG RESOURCES, INC., THAT THESE SURVEYS WERE MADE BY HIM (OR UNDER HIS SUPERVISION); THAT HE HAS EXAMINED THE FIELD NOTES OF THE SURVEYS OF THE PIPELINE RIGHT-OF-WAY AS DESCRIBED AND SHOWN ON THIS MAP, THAT THIS MAP WAS PREPARED UNDER HIS DIRECTION FROM SAID FIELD NOTES, AND THAT SAID RIGHT-OF-WAY, 0.540 MILES IN LENGTH BEGINNING AND ENDING AS SHOWN ON THIS MAP IS ACCURATELY REPRESENTED.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

ACKNOWLEDGEMENT

SUBSCRIBED AND SWORN BEFORE ME THIS____ DAY OF_____2010.

MY COMMISSION EXPIRES _____.

NOTARY PUBLIC
VERNAL, UTAH

APPLICANT'S CERTIFICATE

I, _____, DO HEREBY CERTIFY THAT I AM THE AGENT FOR EOG RESOURCES, INC., HEREINAFTER DESIGNATED THE APPLICANT; THAT ROBERT L. KAY WHO SUBSCRIBED TO THE FOREGOING AFFIDAVIT, IS EMPLOYED BY THE APPLICANT AS A LAND SURVEYOR AND THAT HE WAS DIRECTED BY THE APPLICANT TO SURVEY THE LOCATION OF THIS PIPELINE RIGHT-OF-WAY, 0.540 MILES IN LENGTH BEGINNING AT STA. 0+00 AND ENDING AT STA. 28+50.59, THAT SAID PIPELINE RIGHT-OF-WAY IS ACCURATELY REPRESENTED ON THIS MAP; THAT SUCH SURVEY AS REPRESENTED ON THIS MAP HAS BEEN ADOPTED BY THE APPLICANT AS THE DEFINITE LOCATION OF THE RIGHT-OF-WAY THEREBY SHOWN; AND THAT THE MAP HAS BEEN PREPARED TO BE FILED WITH THE SECRETARY OF THE INTERIOR OR HIS DULY AUTHORIZED REPRESENTATIVE AS PART OF THE APPLICATION FOR SAID RIGHT-OF-WAY TO BE GRANTED THE APPLICANT, ITS SUCCESSORS AND ASSIGNS, WITH THE RIGHT TO CONSTRUCT, MAINTAIN, AND REPAIR IMPROVEMENTS, THEREON AND THEREOVER, FOR SUCH PURPOSES, AND WITH THE FURTHER RIGHT IN THE APPLICANT, ITS SUCCESSORS AND ASSIGNS TO TRANSFER THIS RIGHT-OF-WAY BY ASSIGNMENT, GRANT, OR OTHERWISE.

APPLICANT

AGENT

TITLE

RECEIVED: November 04, 2011

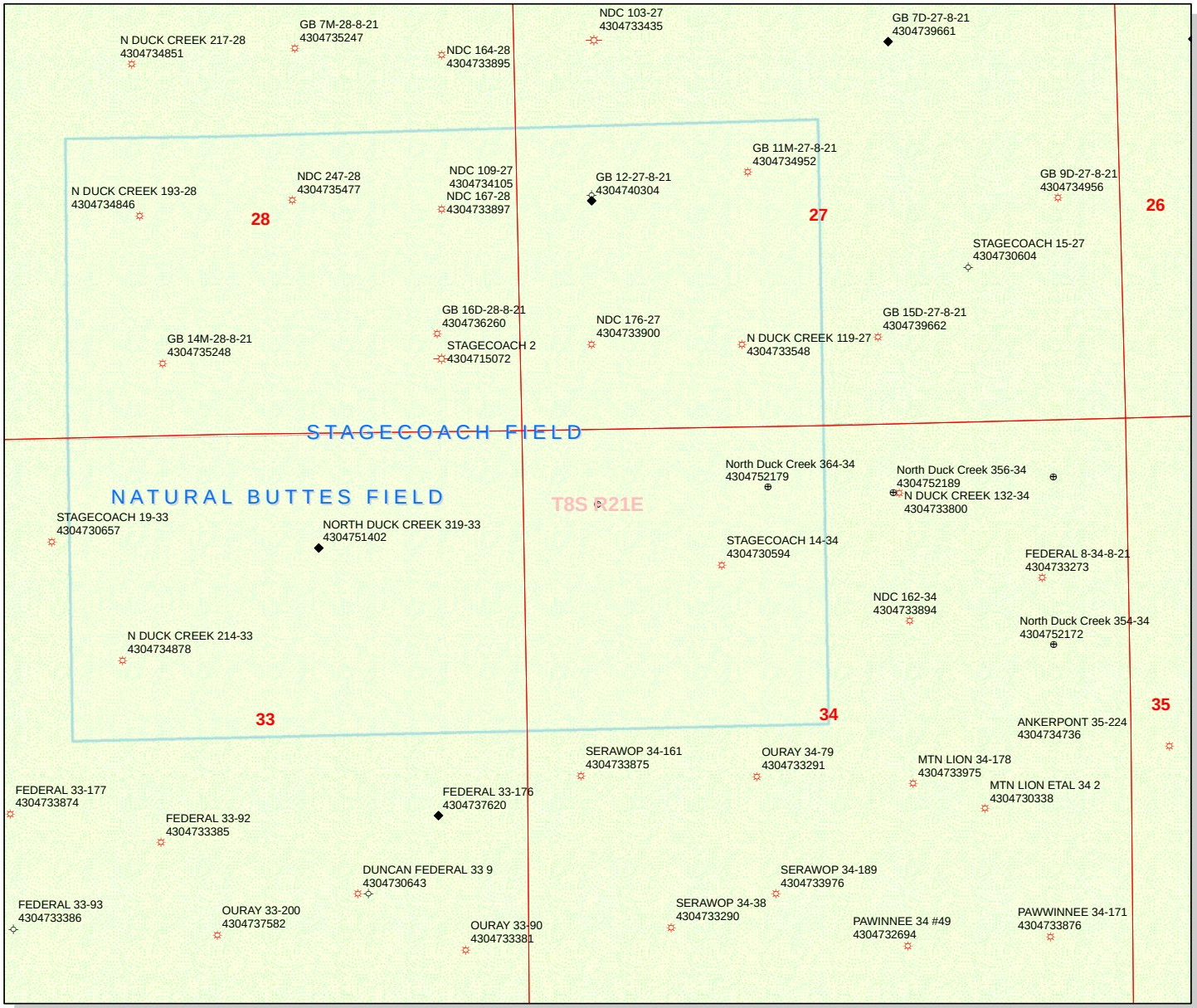
EOG RESOURCES, INC.
NORTH DUCK CREEK #353-34
SECTION 34, T8S, R21E, S.L.B.&M.

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, THEN NORTHEASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 7.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE NORTHWEST; FOLLOW ROAD FLAGS IN A NORTHWESTERLY DIRECTION APPROXIMATELY 1,379' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 39.3 MILES.

RECEIVED: November 04, 2011

API Well Number: 43047521730000



API Number: 4304752173

Well Name: North Duck Creek 353-34

Township T0.8 . Range R2.1 . Section 34

Meridian: SLBM

Operator: EOG RESOURCES, INC.

Map Prepared:
Map Produced by Diana Mason

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

Fields
STATUS
- Unknown
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- STORAGE
- TERMINATED

Wells Query
Status
- APD - Aproved Permit
- DRL - Spuded (Drilling Commenced)
- GIW - Gas Injection
- GS - Gas Storage
- LA - Location Abandoned
- LOC - New Location
- OPS - Operation Suspended
- PA - Plugged Abandoned
- PGW - Producing Gas Well
- POW - Producing Oil Well
- RET - Returned APD
- SGW - Shut-in Gas Well
- SOW - Shut-in Oil Well
- TA - Temp. Abandoned
- TW - Test Well
- WDW - Water Disposal
- WIW - Water Injection Well
- WSW - Water Supply Well

1,100 550 0 1,100 Feet

1:10,894

RECEIVED: November 16, 2011

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 11/4/2011
API NO. ASSIGNED: 43047521730000
WELL NAME: North Duck Creek 353-34
OPERATOR: EOG Resources, Inc. (N9550)
PHONE NUMBER: 435 781-9111
CONTACT: Kaylene Gardner

PROPOSED LOCATION: NWNW 34 080S 210E
Permit Tech Review: ✔

SURFACE: 0660 FNL 0660 FWL
Engineering Review: ☐

BOTTOM: 0660 FNL 0660 FWL
Geology Review: ✔

COUNTY: UINTAH
LATITUDE: 40.08495
LONGITUDE: -109.54709
UTM SURF EASTINGS: 623868.00
NORTHINGS: 4438198.00
FIELD NAME: NATURAL BUTTES
LEASE TYPE: 1 - Federal
LEASE NUMBER: UTU38407
PROPOSED PRODUCING FORMATION(S): BLACKHAWK
SURFACE OWNER: 2 - Indian
COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- ✔ **PLAT**
- ✔ **Bond:** FEDERAL - NM2308
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ✔ **Water Permit:** Water Right # 49-225 (A31368)
- ☐ **RDCC Review:**
- ☐ **Fee Surface Agreement**
- ☐ **Intent to Commingle**

Commingling Approved

LOCATION AND SITING:

- ☐ **R649-2-3.**

Unit:

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

Board Cause No: Cause 173-23
Effective Date: 10/5/2009
Siting: 460' Fr Exterior Drilling Unit Boundary

- ☐ **R649-3-11. Directional Drill**

Comments: Presite Completed

Stipulations: 4 - Federal Approval - dmason

RECEIVED: November 21, 2011

GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

****

Well Name: North Duck Creek 353-34
API Well Number: 43047521730000
Lease Number: UTU38407
Surface Owner: INDIAN
Approval Date: 11/21/2011

Issued to:
EOG Resources, Inc., 600 17th Street, Suite 1000 N, Denver, CO 80202

Authority:
Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 173-23. The expected producing formation or pool is the BLACKHAWK 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:
State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

Notification Requirements:
The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284 (please leave a voicemail message if not available)
  OR
  submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at http://oilgas.ogm.utah.gov

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

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month

- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

Approved By:

For John Rogers
Associate Director, Oil & Gas

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
http://www.blm.gov/ut/st/en.html

TAKE PRIDE IN AMERICA

MAR 23 2012

RECEIVED
MAR 28 2012
DIV. OF OIL, GAS & MINING

IN REPLY REFER TO:
3180
UT922100

43-047-52173

Debbie Spears, Sr. Land Associate
EOG Resources, Inc.
600 Seventeenth Street, Suite 1000N
Denver, CO 80202

Re: Amendment to
Communitization Agreement NRM-1765
UTU-60808
Uintah County, Utah
(na) 34 8S 21E

Dear Debbie Spears:

Your proposed amendment to Communitization Agreement NRM-1765 is hereby approved effective December 1, 2008. The necessary consents to amend the agreement have been obtained. Section 1 of the communitization agreement is amended as follows:

1. The lands covered by this agreement (hereafter referred to as "communitized area") are described as follows:

   Township 8 South, Range 21 East, SLB&M
   Section 34: N½.
   Uintah County, Utah

   The North half (N½) of Section 34, Township 8 South, Range 21 East, SLB&M, Uintah County, State of Utah, more fully described in Exhibit B attached hereto and made a part hereof by this reference. Containing 320.00 acres, more or less, and this agreement shall include only the Wasatch and Mesaverde Formations including the Blackhawk and Mancos "B" sands underlying said lands and the natural gas and associated oil hydrocarbons, hereinafter referred to as "communitized substances," producible from such formations.

Copies of the amendment are being distributed to the appropriate Federal Offices and one copy is returned herewith. It is requested that you notify all other interested parties of this approval.

If you have any questions concerning this approval, please contact Judy Nordstrom at (801) 539-4108.

Sincerely,

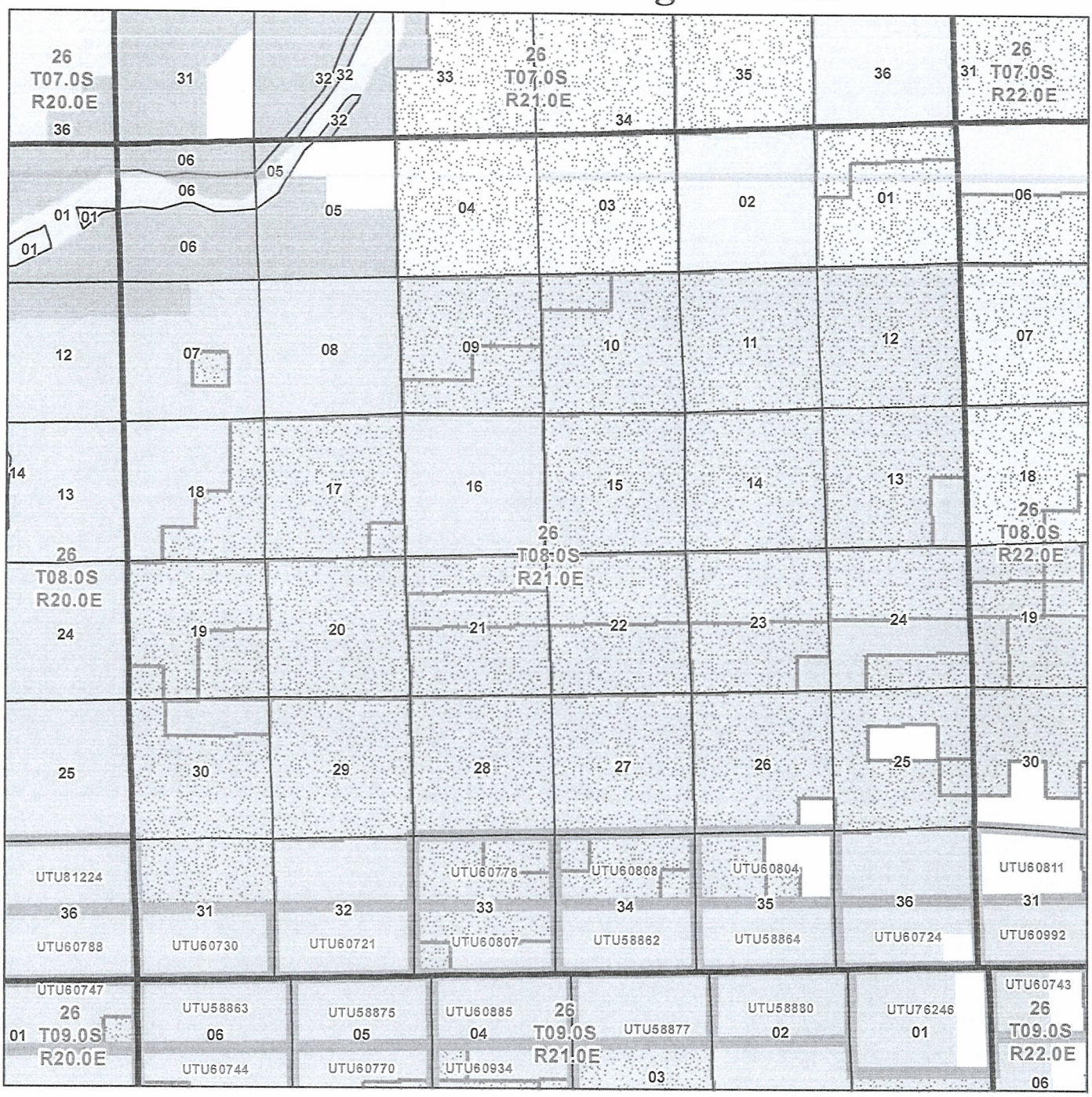
Roger L. Bankert

Roger L. Bankert
Chief, Branch of Minerals

Enclosure

cc: UDOGM
SITLA
ONRR w/Exhibit "B" (Attn: Leona Reilly)
BLM FOM - Price w/enclosure

T 8S R 21E SLB&M
Communitization Agreements



0 0.5 1 2 3 4 Miles

NATIONAL SYSTEM OF PUBLIC LANDS

BLM Utah
Lands and Minerals

Locator Map

Oil and Gas Communitization Agreements
STATUS
AUTHORIZED
PENDING
PRODUCING
Utah Oil & Gas Lease Parcels
Authorized
Pending

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU38407

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE IN

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: N DUCK CREEK 353-34

2. NAME OF OPERATOR: EOG Resources, Inc.

9. API NUMBER: 43047521730000

3. ADDRESS OF OPERATOR: 600 17th Street, Suite 1000 N , Denver, CO, 80202

PHONE NUMBER: 435 781-9111 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0660 FNL 0660 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 34 Township: 08.0S Range: 21.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

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

TYPE OF SUBMISSION

- ✓ NOTICE OF INTENT — Approximate date work will start: 11/20/2012
- ☐ SUBSEQUENT REPORT — Date of Work Completion:
- ☐ SPUD REPORT — Date of Spud:
- ☐ DRILLING REPORT — Report Date:

TYPE OF ACTION

☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	✓ APD EXTENSION
☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

EOG Resources, Inc. respectfully requests the APD for the referenced well be extended for one year.

Approved by the Utah Division of Oil, Gas and Mining

Date: November 21, 2012

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Kaylene Gardner	435 781-9111	Regulatory Administrator

SIGNATURE	DATE
N/A	11/20/2012

RECEIVED: Nov. 20, 2012

The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047521730000

API: 43047521730000
Well Name: N DUCK CREEK 353-34
Location: 0660 FNL 0660 FWL QTR NWNW SEC 34 TWNP 080S RNG 210E MER S
Company Permit Issued to: EOG RESOURCES, INC.
Date Original Permit Issued: 11/21/2011

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

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

Signature: Kaylene Gardner **Date:** 11/20/2012
Title: Regulatory Administrator **Representing:** EOG RESOURCES, INC.

RECEIVED: Nov. 20, 2012

FORM 9

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

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU38407

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE IN

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: N DUCK CREEK 353-34

2. NAME OF OPERATOR: EOG RESOURCES, INC.

9. API NUMBER: 43047521730000

3. ADDRESS OF OPERATOR: 1060 East Highway 40 , Vernal, UT, 84078

PHONE NUMBER: 435 781-9111 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0660 FNL 0660 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 34 Township: 08.0S Range: 21.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 11/14/2013	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	✓ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

EOG Resources, Inc. respectfully requests the APD for the referenced well be extended for one year.

Approved by the Utah Division of Oil, Gas and Mining

Date: November 18, 2013

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Kaylene Gardner	435 781-9111	Regulatory Administrator

SIGNATURE	DATE
N/A	11/14/2013

RECEIVED: Nov. 14, 2013

The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047521730000

API: 43047521730000
Well Name: N DUCK CREEK 353-34
Location: 0660 FNL 0660 FWL QTR NWNW SEC 34 TWNP 080S RNG 210E MER S
Company Permit Issued to: EOG RESOURCES, INC.
Date Original Permit Issued: 11/21/2011

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

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

Signature: Kaylene Gardner **Date:** 11/14/2013
Title: Regulatory Administrator **Representing:** EOG RESOURCES, INC.

RECEIVED: Nov. 14, 2013

FORM 9

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

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU38407

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: N DUCK CREEK 353-34

2. NAME OF OPERATOR: EOG RESOURCES, INC.

9. API NUMBER: 43047521730000

3. ADDRESS OF OPERATOR: 600 17th Street, Suite 1000 N , Denver, CO, 80202

PHONE NUMBER: 435 781-9111 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0660 FNL 0660 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 34 Township: 08.0S Range: 21.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11.

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

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 11/20/2014	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	✓ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

EOG Resources, Inc. respectfully requests the APD for the referenced well be extended for one year.

Approved by the
November 25, 2014
Utah Division of
Oil, Gas and Mining

Date:

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Donna J Skinner	303 262-9467	Sr. Regulatory Assistant

SIGNATURE	DATE
N/A	11/20/2014

RECEIVED: Nov. 20, 2014

The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047521730000

API: 43047521730000
Well Name: N DUCK CREEK 353-34
Location: 0660 FNL 0660 FWL QTR NWNW SEC 34 TWNP 080S RNG 210E MER S
Company Permit Issued to: EOG RESOURCES, INC.
Date Original Permit Issued: 11/21/2011

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

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

Signature: Donna J Skinner **Date:** 11/20/2014
Title: Sr. Regulatory Assistant **Representing:** EOG RESOURCES, INC.

RECEIVED: Nov. 20, 2014

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU38407

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: N DUCK CREEK 353-34

2. NAME OF OPERATOR: EOG RESOURCES, INC.

9. API NUMBER: 43047521730000

3. ADDRESS OF OPERATOR: 1060 East Highway 40 , Vernal, UT, 84078

PHONE NUMBER: 435 781-9111 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0660 FNL 0660 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 34 Township: 08.0S Range: 21.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11.

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

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 10/13/2015	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	✓ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

EOG Resources, Inc. respectfully requests the APD for the referenced well be extended for one year.

Approved by the
October 15, 2015
Oil, Gas and Mining

Date:

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Kristen Sheehan	303 262-9931	Assistant Regulatory

SIGNATURE	DATE
N/A	10/13/2015

RECEIVED: Oct. 13, 2015

The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047521730000

API: 43047521730000
Well Name: N DUCK CREEK 353-34
Location: 0660 FNL 0660 FWL QTR NWNW SEC 34 TWNP 080S RNG 210E MER S
Company Permit Issued to: EOG RESOURCES, INC.
Date Original Permit Issued: 11/21/2011

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

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

Signature: Kristen Sheehan **Date:** 10/13/2015
Title: Assistant Regulatory **Representing:** EOG RESOURCES, INC.

RECEIVED: Oct. 13, 2015

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU38407

SUNDRY NOTICES AND REPORTS ON WELLS

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6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: N DUCK CREEK 353-34

2. NAME OF OPERATOR: EOG RESOURCES, INC.

9. API NUMBER: 43047521730000

3. ADDRESS OF OPERATOR: 600 17th Street Ste 1000N , Denver, CO, 80202

PHONE NUMBER: 435 781-9111 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0660 FNL 0660 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 34 Township: 08.0S Range: 21.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11.

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

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 11/8/2016	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	✓ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

EOG Resources, Inc. respectfully requests the APD for the referenced well be extended for one year.

Approved by the
November 08, 2016
Utah Division of
Oil, Gas and Mining

Date:

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Kaylene Gardner	435 781-9111	Regulatory Administrator
SIGNATURE N/A		**DATE** 11/8/2016

RECEIVED: Nov. 08, 2016

The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047521730000

API: 43047521730000
Well Name: N DUCK CREEK 353-34
Location: 0660 FNL 0660 FWL QTR NWNW SEC 34 TWNP 080S RNG 210E MER S
Company Permit Issued to: EOG RESOURCES, INC.
Date Original Permit Issued: 11/21/2011

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

Signature: Kaylene Gardner **Date:** 11/8/2016
Title: Regulatory Administrator **Representing:** EOG RESOURCES, INC.

RECEIVED: Nov. 08, 2016