

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 Lost Love 14-24 | | | | |
| 2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/> | | | | | | 3. FIELD OR WILDCAT UNDESIGNATED | | | | |
| 4. TYPE OF WELL Gas Well <input type="checkbox"/> Coalbed Methane Well: NO <input type="checkbox"/> | | | | | | 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 Ste 1000N, Denver, CO, 80202 | | | | | | 9. OPERATOR E-MAIL kaylene_gardner@egoresources.com | | | | |
| 10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU8346 | | | 11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/> | | | 12. SURFACE OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/> | | | | |
| 13. NAME OF SURFACE OWNER (if box 12 = 'fee') | | | | | | 14. SURFACE OWNER PHONE (if box 12 = 'fee') | | | | |
| 15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') | | | | | | 16. SURFACE OWNER E-MAIL (if box 12 = 'fee') | | | | |
| 17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN') | | | 18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/> | | | 19. SLANT VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/> | | | | |
| 20. LOCATION OF WELL | | FOOTAGES | | QTR-QTR | SECTION | TOWNSHIP | RANGE | MERIDIAN | | |
| LOCATION AT SURFACE | | 2170 FSL 1332 FEL | | NWSE | 24 | 11.0 S | 21.0 E | S | | |
| Top of Uppermost Producing Zone | | 2170 FSL 1332 FEL | | NWSE | 24 | 11.0 S | 21.0 E | S | | |
| At Total Depth | | 2170 FSL 1332 FEL | | NWSE | 24 | 11.0 S | 21.0 E | S | | |
| 21. COUNTY UINTAH | | | 22. DISTANCE TO NEAREST LEASE LINE (Feet) 1332 | | | 23. NUMBER OF ACRES IN DRILLING UNIT 1280 | | | | |
| | | | 25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 7910 | | | 26. PROPOSED DEPTH MD: 8660 TVD: 8660 | | | | |
| 27. ELEVATION - GROUND LEVEL 5889 | | | 28. BOND NUMBER NM2308 | | | 29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 49-225 | | | | |
| 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 - 2300 | 36.0 | J-55 ST&C | 0.0 | Class G | 185 | 3.82 | 11.0 |
| | | | | | | | Class G | 207 | 1.18 | 15.6 |
| Prod | 7.875 | 4.5 | 0 - 8660 | 11.6 | N-80 LT&C | 10.5 | Hi Lift "G" | 85 | 3.91 | 11.0 |
| | | | | | | | 50/50 Poz | 925 | 1.28 | 14.1 |
| 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 | | | | | |
| NAME Mickenzie Larsen | | | TITLE Regulatory Administrator | | | PHONE 435 781-9145 | | | | |
| SIGNATURE | | | DATE 12/16/2015 | | | EMAIL mickenzie_larsen@egoresources.com | | | | |
| API NUMBER ASSIGNED 43047555090000 | | | APPROVAL | | |  Permit Manager | | | | |

DRILLING PLAN**LOST LOVE 14-24**

**NW/SE, SEC. 24, T11S, 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 | 718 | | Shale | |
| Birdsnest | 1,030 | | Dolomite | |
| Mahogany Oil Shale Bed | 1,528 | | Shale | |
| Wasatch | 3,872 | Primary | Sandstone | Gas |
| Chapita Wells | 4,427 | Primary | Sandstone | Gas |
| Buck Canyon | 5,055 | Primary | Sandstone | Gas |
| North Horn | 5,848 | Primary | Sandstone | Gas |
| KMV Price River | 6,407 | Primary | Sandstone | Gas |
| KMV Price River Middle | 7,233 | Primary | Sandstone | Gas |
| KMV Price River Lower | 7,897 | Primary | Sandstone | Gas |
| Sego | 8,452 | | Sandstone | |
| TD | 8,660 | | | |

Estimated TD: 8,660' or 200'± below TD

Anticipated BHP: 4,728 Psig

- Fresh Waters may exist in the upper, approximately 1,000 ft ± of the Green River Formation, with top at about 2,000 ft ±.
- 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:

| CASING | Hole Size | Length | Size | WEIGHT | Grade | Thread | Rating Collapse | Factor Burst | Tensile |
|------------|-----------|----------------|--------|--------|-------|--------|-----------------|--------------|----------|
| Conductor | 20" | 0 – 60' | 14" | 32.5# | A252 | | | 1800 PSI | 10,000# |
| Surface | 12 1/4" | 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: 12-1/4" 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

LOST LOVE 14-24

NW/SE, SEC. 24, T11S, R21E, 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 5th 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 2nd 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

LOST LOVE 14-24

NW/SE, SEC. 24, T11S, R21E, 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:

Mud log from base of surface casing to TD.

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

DRILLING PLAN**LOST LOVE 14-24****NW/SE, SEC. 24, T11S, R21E, 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% CaCl₂, 3 lb/sx GR3 ¼ #/sx Flocele mixed at 11 ppg, 3.82 ft³/sk. yield, 23 gps water.
- Tail: 207 sks** Class "G" cement with 2% CaCl₂, ¼#/sk Flocele mixed at 15.6 ppg, 1.18 ft³/sk., 5.2 gps water.
- Top Out:** As necessary with Class "G" cement with 2% CaCl₂, ¼#/sk Flocele mixed at 15.6 ppg, 1.18 ft³/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: 85 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 ft³/sk., 24.5 gps water.
- Tail: 925 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 ft³/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

LOST LOVE 14-24

NW/SE, SEC. 24, T11S, R21E, 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)

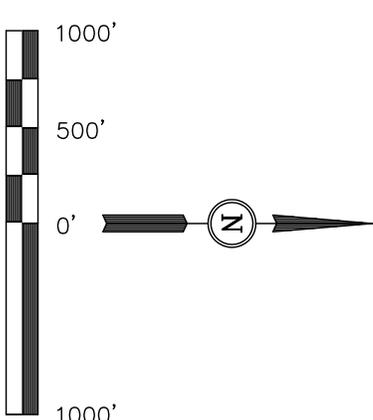
T11S, R21E, S.1.B.&M.

EOG RESOURCES, INC.

Well location, LOST LOVE #14-24, located as shown in the NW 1/4 SE 1/4 of Section 24, T11S, R21E, S.1.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

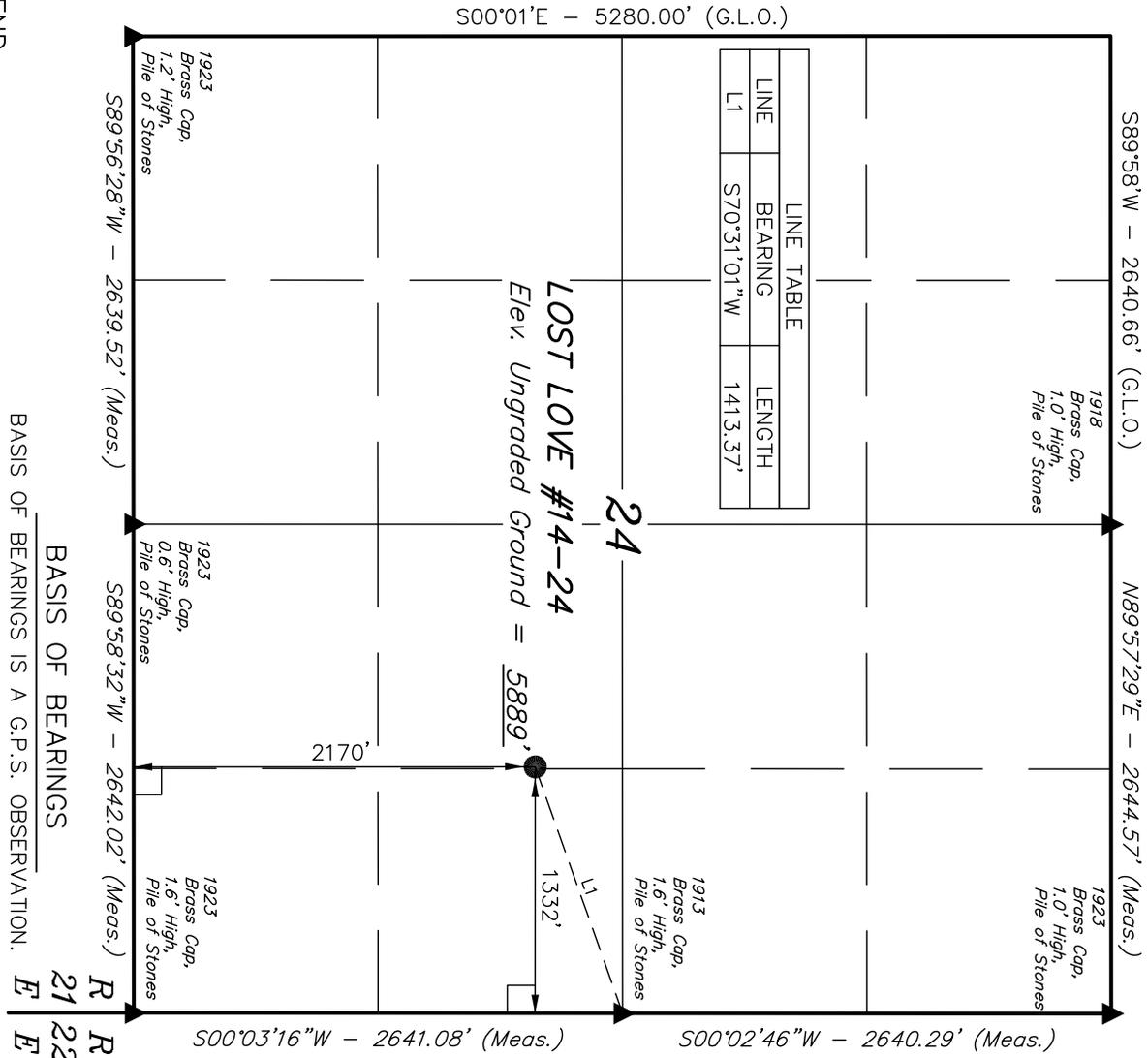
TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.1.B.&M. TAKEN FROM THE BIG PACK MTN NE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.



SCALE 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.

ROBERT L. KAY
REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH



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

R 21 22
E E

LEGEND:

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

(NAD 83)
LATITUDE = 39°50'41.43" (39.844842)
LONGITUDE = 109°30'40.71" (109.511308)

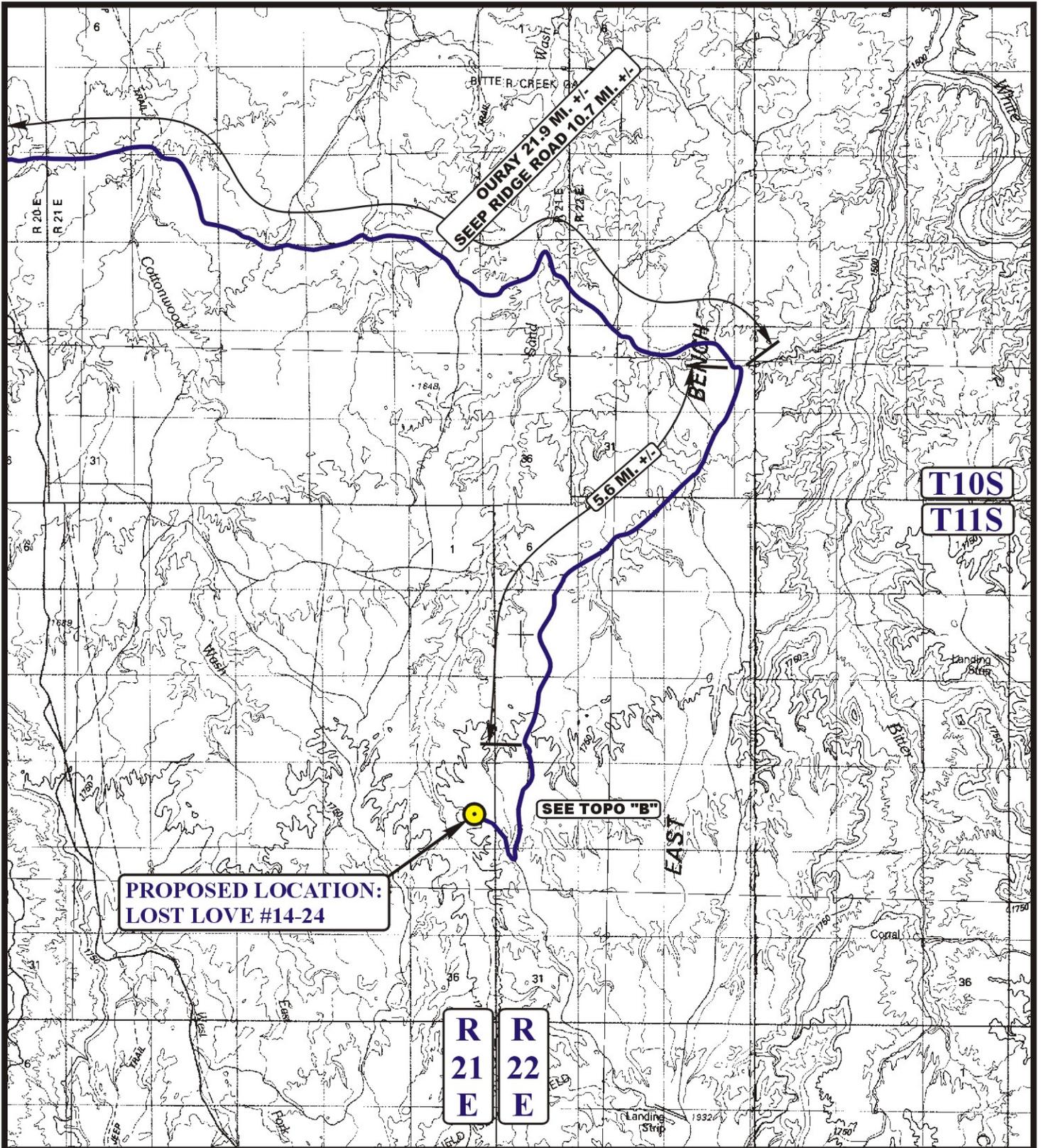
(NAD 27)
LATITUDE = 39°50'41.55" (39.844875)
LONGITUDE = 109°30'38.25" (109.510625)

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

SCALE 1" = 1000'
DATE SURVEYED: 06-24-09 DATE DRAWN: 06-30-09

PARTY G.S. S.H. L.K. REFERENCES G.L.O. PLAT

WEATHER HOT FILE EOG RESOURCES, INC.



**PROPOSED LOCATION:
LOST LOVE #14-24**

**R
21
E** **R
22
E**

**T10S
T11S**

LEGEND:

 **PROPOSED LOCATION**

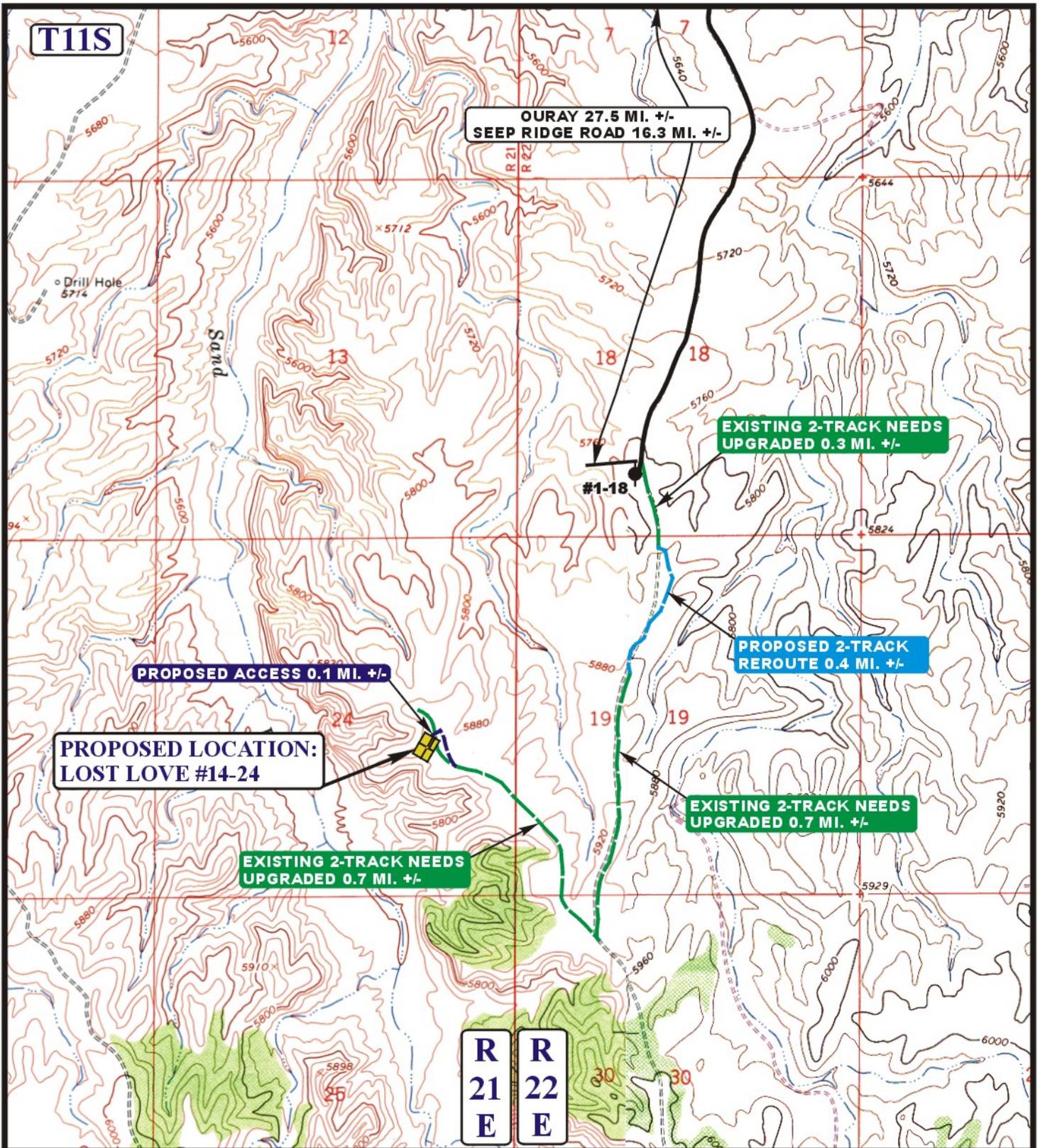


EOG RESORCES, INC.

**LOST LOVE #14-24
SECTION 24, T11S, R21E, S.L.B.&M.
2170' FSL 1332' FEL**

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

TOPOGRAPHIC MAP **06 26 09**
MONTH DAY YEAR
SCALE: 1:100,000 DRAWN BY: J.H. REVISED: 00-00-00 **A TOPO**



LEGEND:

- EXISTING ROAD
- PROPOSED ACCESS ROAD
- EXISTING 2-TRACK NEEDS UPGRADED
- PROPOSED 2-TRACK REROUTE

EOG RESORCES, INC.

LOST LOVE #14-24
SECTION 24, T11S, R21E, S.L.B.&M.
2170' FSL 1332' FEL



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



TOPOGRAPHIC
MAP

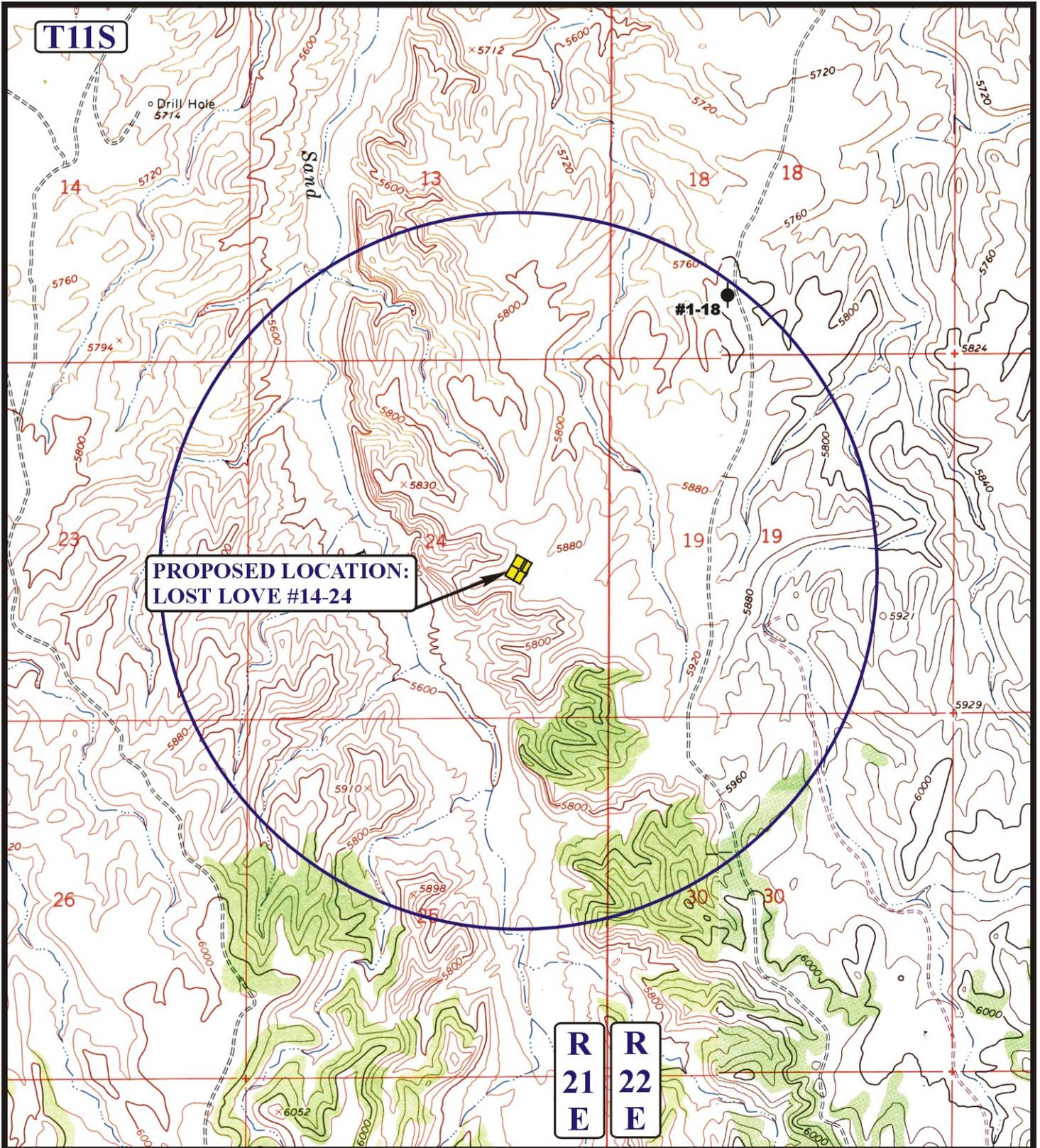
06 26 09
 MONTH DAY YEAR

SCALE: 1" = 2000'

DRAWN BY: J.H.

REV: 09-08-09 Z.L.

B
TOPO



**PROPOSED LOCATION:
LOST LOVE #14-24**

R 21 E
R 22 E

LEGEND:

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



EOG RESORCES, INC.

LOST LOVE #14-24
SECTION 24, T11S, R21E, S.L.B.&M.
2170' FSL 1332' FEL

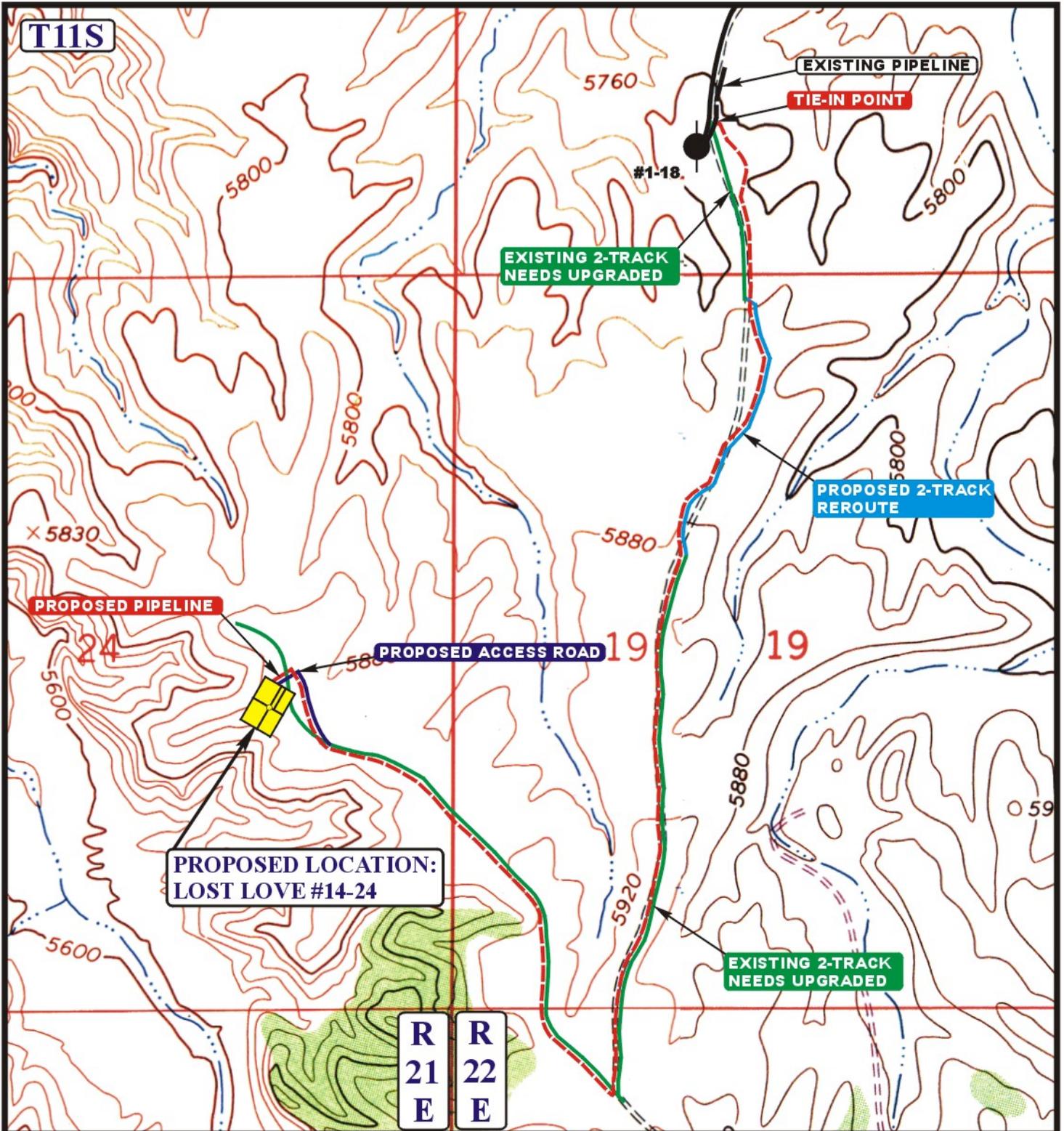


Utah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC **06 26 09**
MAP MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: J.H. REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE DISTANCE = 11,574' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING 2-TRACK NEEDS UPGRADED
- EXISTING PIPELINE
- PROPOSED PIPELINE

EOG RESORCES, INC.

LOST LOVE #14-24
SECTION 24, T11S, R21E, S.L.B.&M.
2170' FSL 1332' FEL



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



TOPOGRAPHIC
MAP

06 26 09
MONTH DAY YEAR

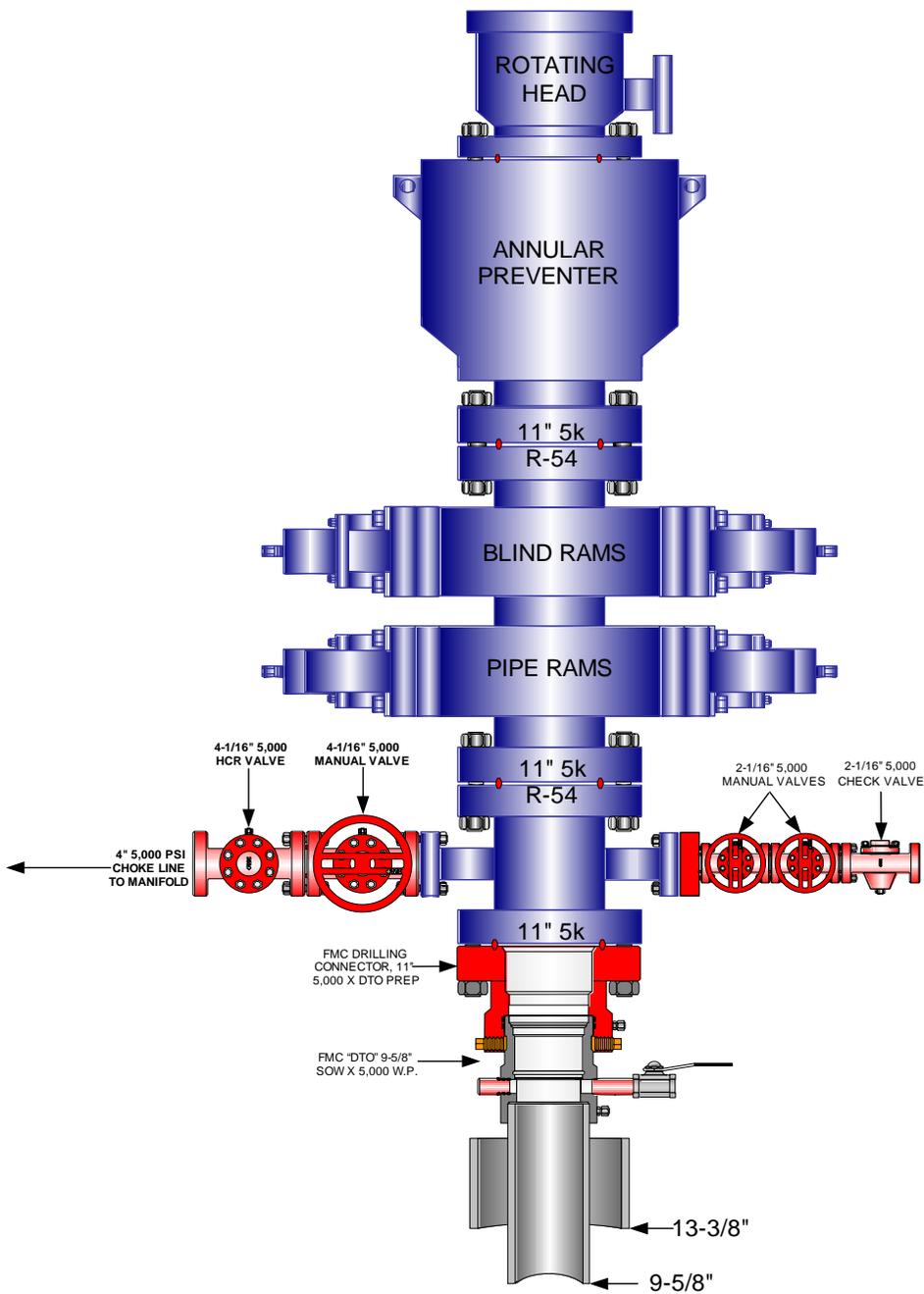
SCALE: 1" = 1000'

DRAWN BY: J.H.

REV: 09-08-09 Z.L.

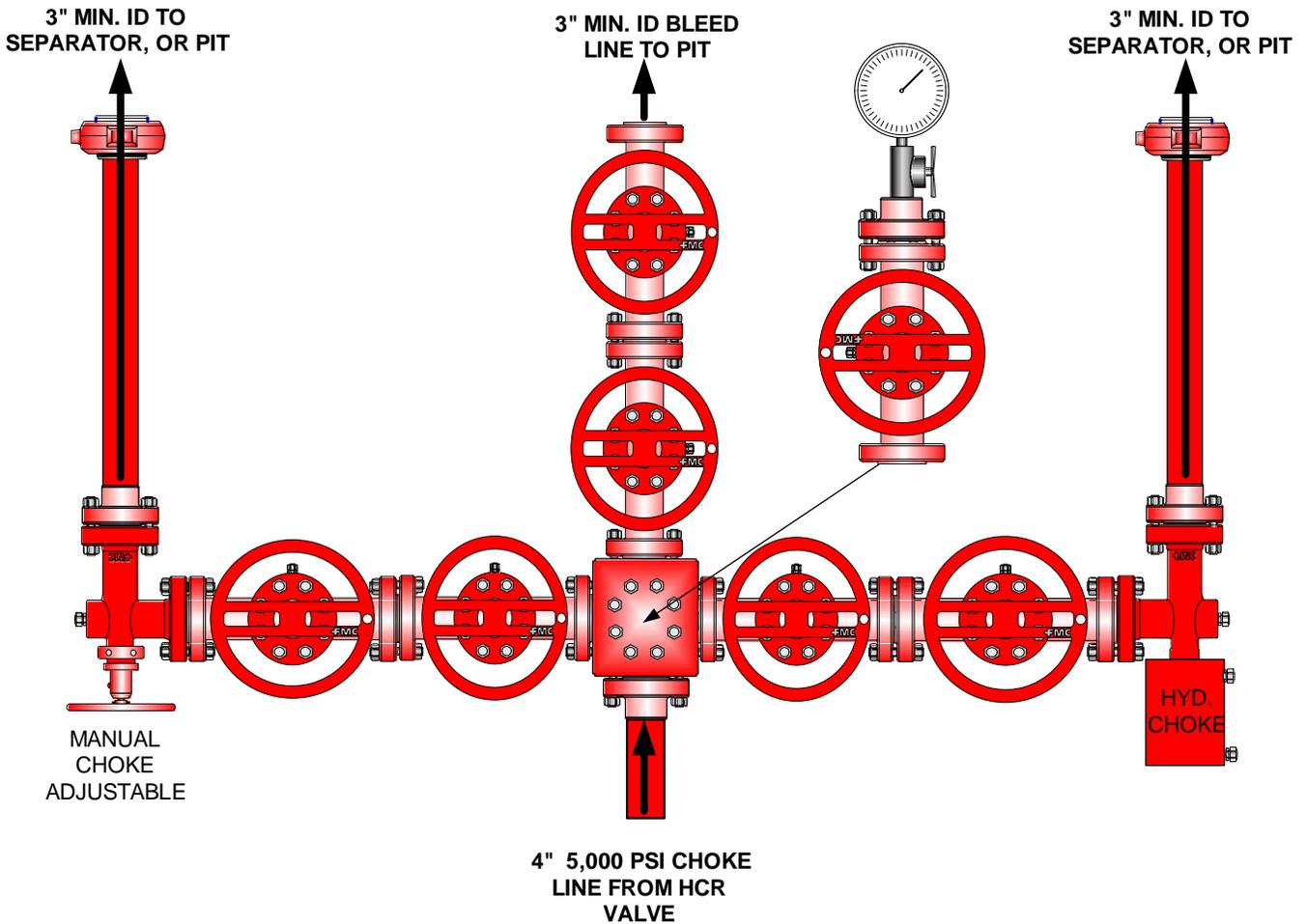
D
TOPO

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



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

PAGE 2 OF 2



Testing Procedure:

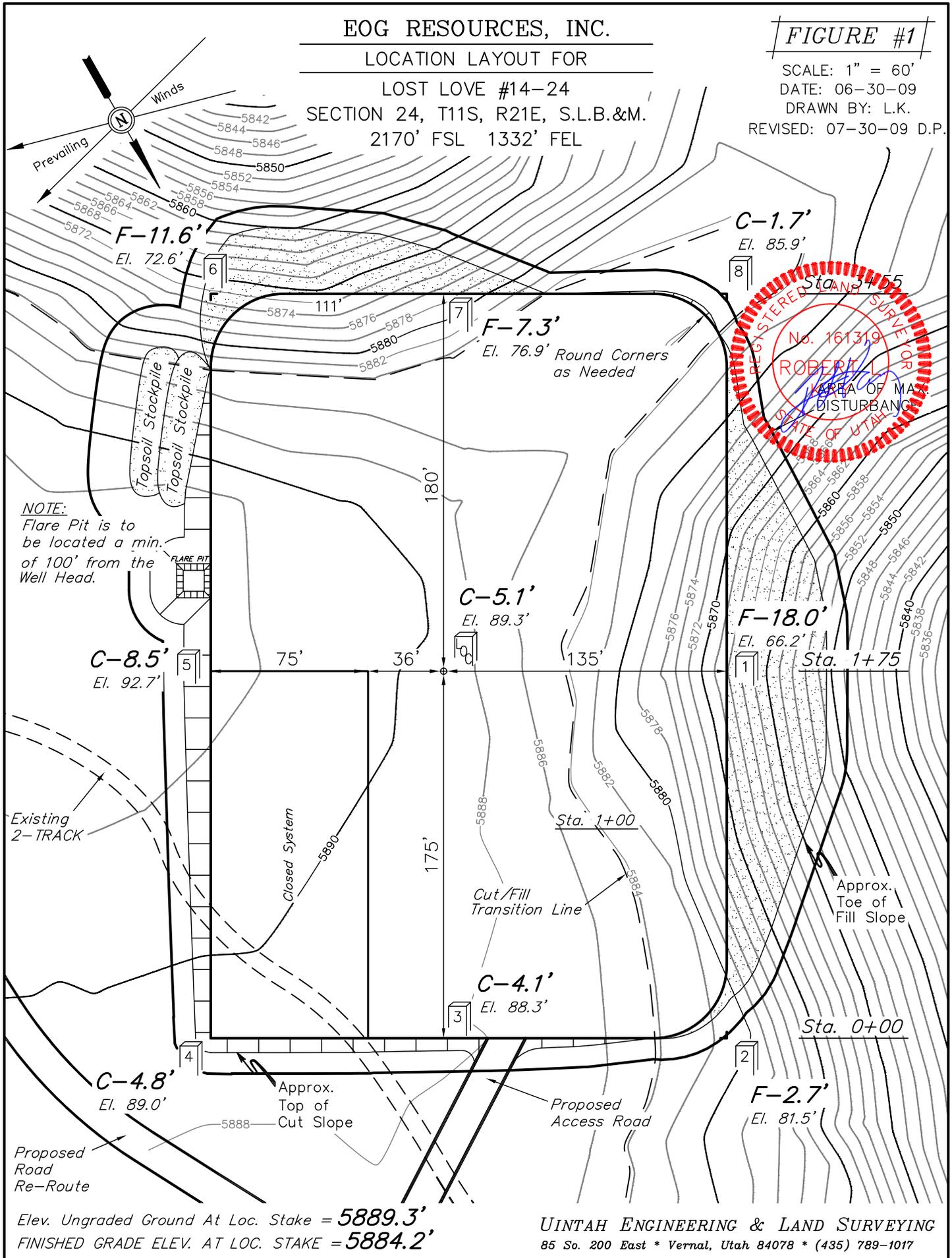
1. BOP will be tested with a professional tester to conform to Onshore Order #2.
2. Blind and Pipe rams will be tested to rated working pressure, 5,000 psi.
3. Annular Preventer will be tested to 50% working pressure, 2,500 psi.
Casing will be tested to 0.22 psi / ft. or 1,500 psi. Not to exceed 70% 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, INC.

LOCATION LAYOUT FOR
LOST LOVE #14-24
SECTION 24, T11S, R21E, S.L.B.&M.
2170' FSL 1332' FEL

FIGURE #1

SCALE: 1" = 60'
DATE: 06-30-09
DRAWN BY: L.K.
REVISED: 07-30-09 D.P.



Elev. Ungraded Ground At Loc. Stake = 5889.3'
FINISHED GRADE ELEV. AT LOC. STAKE = 5884.2'

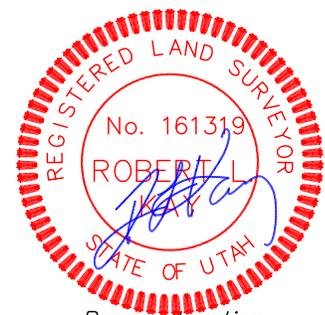
UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

EOG RESOURCES, INC.

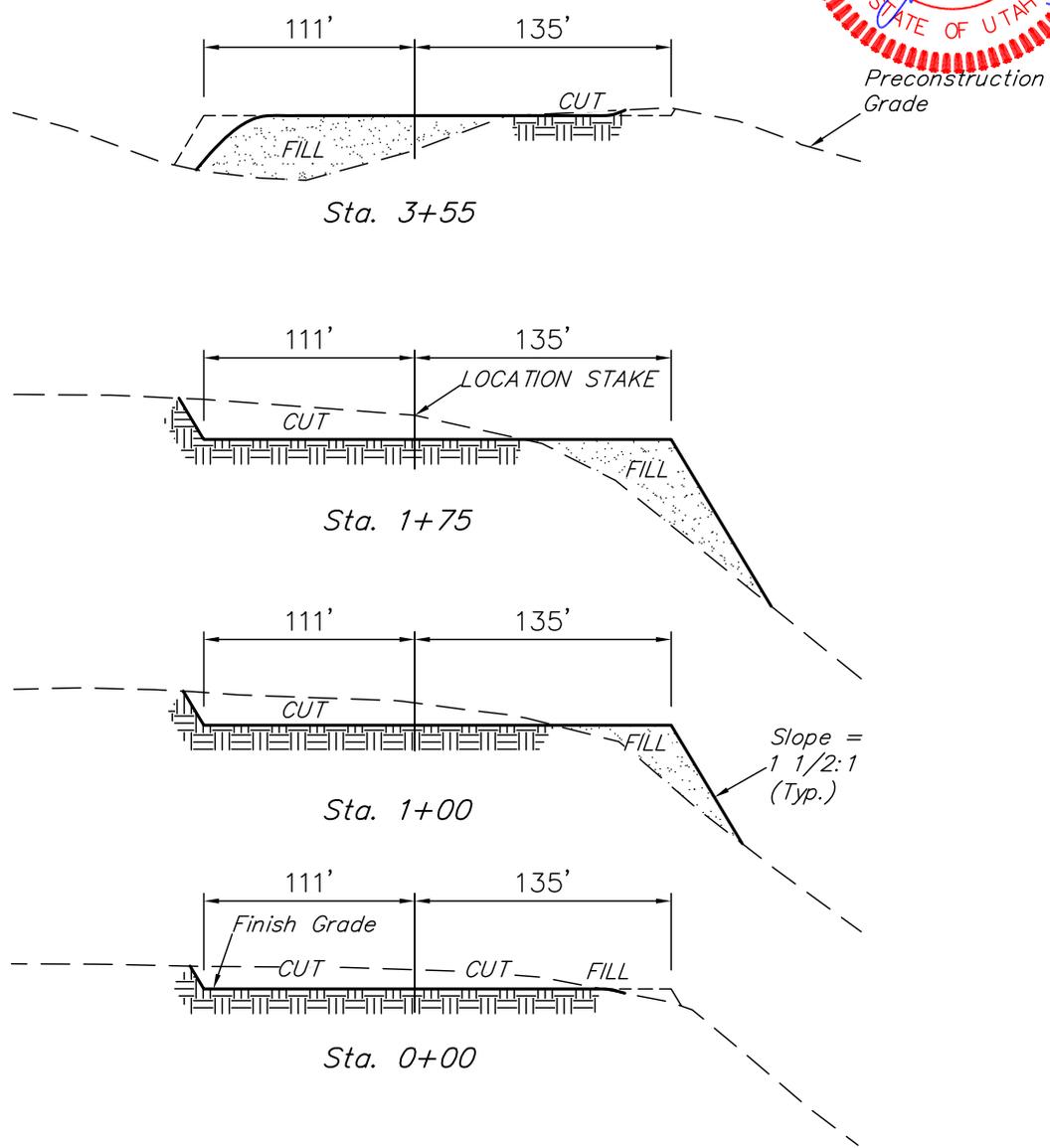
 TYPICAL CROSS SECTION FOR

 LOST LOVE #14-24
 SECTION 24, T11S, R21E, S.L.B.&M.
 2170' FSL 1332' FEL

FIGURE #2



X-Section Scale
 1" = 100'
 DATE: 06-30-09
 DRAWN BY: L.K.
 REVISED: 07-30-09 D.P.



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

APPROXIMATE ACREAGES

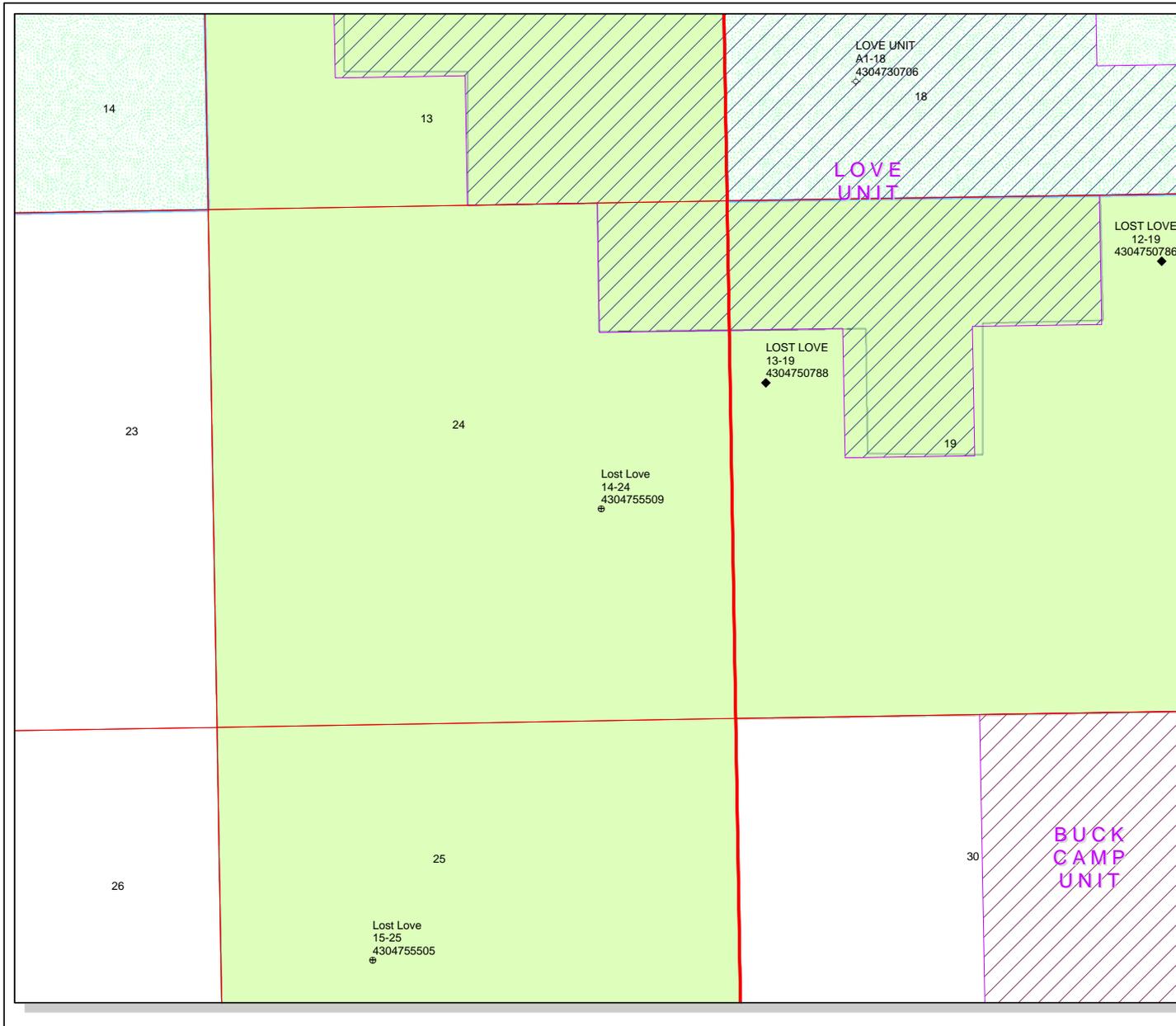
| | |
|-------------------------|------------------------|
| WELL SITE DISTURBANCE | = ± 2.802 ACRES |
| ACCESS ROAD DISTURBANCE | = ± 0.096 ACRES |
| PIPELINE DISTURBANCE | = ± 0.090 ACRES |
| TOTAL | = ± 2.988 ACRES |

* NOTE:
 FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

| | |
|------------------------|-------------------------|
| (6") Topsoil Stripping | = 2,030 Cu. Yds. |
| Remaining Location | = 8,630 Cu. Yds. |
| TOTAL CUT | = 10,660 CU.YDS. |
| FILL | = 8,630 CU.YDS. |

| | |
|---|------------------|
| EXCESS MATERIAL | = 2,030 Cu. Yds. |
| Topsoil | = 2,030 Cu. Yds. |
| EXCESS UNBALANCE (After Interim Rehabilitation) | = 0 Cu. Yds. |
| UINTAH ENGINEERING & LAND SURVEYING | |
| 85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017 | |



API Number: 4304755509

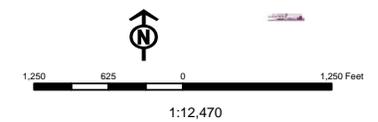
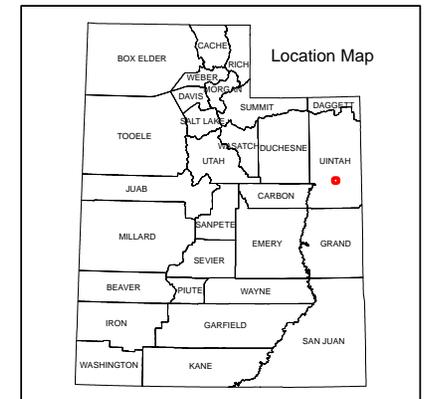
Well Name: Lost Love 14-24

Township: T11.0S Range: R21.0E Section: 24 Meridian: S

Operator: EOG RESOURCES, INC.

Map Prepared: 12/17/2015
Map Produced by Diana Mason

| Wells Query | | Units | |
|--------------------------------------|---|---------------|--------------|
| Status | | STATUS | |
| ◆ APD - Approved Permit | ◆ | ACTIVE | ACTIVE |
| ○ DRL - Spudded (Drilling Commenced) | ○ | EXPLORATORY | EXPLORATORY |
| ↗ GW - Gas Injection | ↗ | GAS STORAGE | GAS STORAGE |
| ★ GS - Gas Storage | ★ | NF PP OIL | NF PP OIL |
| ⊕ LOC - New Location | ⊕ | NF SECONDARY | NF SECONDARY |
| ⊖ OPS - Operation Suspended | ⊖ | PI OIL | PI OIL |
| ⊘ PA - Plugged Abandoned | ⊘ | PP GAS | PP GAS |
| ⊙ PGW - Producing Gas Well | ⊙ | PP GEOTHERML | PP GEOTHERML |
| ⊚ POW - Producing Oil Well | ⊚ | PP OIL | PP OIL |
| ⊛ SGW - Shut-in Gas Well | ⊛ | SECONDARY | SECONDARY |
| ⊜ SOW - Shut-in Oil Well | ⊜ | TERMINATED | TERMINATED |
| ⊝ TA - Temp. Abandoned | ⊝ | Fields | |
| ○ TW - Test Well | ○ | STATUS | |
| ⊖ WDW - Water Disposal | ⊖ | Unknown | Unknown |
| ⊙ WW - Water Injection Well | ⊙ | ABANDONED | ABANDONED |
| ● WSW - Water Supply Well | ● | ACTIVE | ACTIVE |
| | | COMBINED | COMBINED |
| | | INACTIVE | INACTIVE |
| | | STORAGE | STORAGE |
| | | TERMINATED | TERMINATED |



WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 12/16/2015

API NO. ASSIGNED: 43047555090000

WELL NAME: Lost Love 14-24

OPERATOR: EOG RESOURCES, INC. (N9550)

PHONE NUMBER: 435 781-9145

CONTACT: Mickenzie Larsen

PROPOSED LOCATION: NWSE 24 110S 210E

Permit Tech Review:

SURFACE: 2170 FSL 1332 FEL

Engineering Review:

BOTTOM: 2170 FSL 1332 FEL

Geology Review:

COUNTY: UINTAH

LATITUDE: 39.84481

LONGITUDE: -109.51126

UTM SURF EASTINGS: 627368.00

NORTHINGS: 4411593.00

FIELD NAME: UNDESIGNATED

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU8346

PROPOSED PRODUCING FORMATION(S): MESA VERDE

SURFACE OWNER: 1 - Federal

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: 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 210-05
- 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



GARY R. HERBERT
Governor

SPENCER J. COX
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: Lost Love 14-24
API Well Number: 43047555090000
Lease Number: UTU8346
Surface Owner: FEDERAL
Approval Date: 1/4/2016

Issued to:

EOG RESOURCES, INC., 600 17th Street Ste 1000N, 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 210-05. The expected producing formation or pool is the 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:

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 Alexis Huefner at 801-538-5302

(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:

A handwritten signature in black ink, appearing to read "John Rogers", written in a cursive style.

For John Rogers
Associate Director, Oil & Gas

| | |
|--|--|
| 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: UTU8346 | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: |
| 1. TYPE OF WELL Gas Well | 7. UNIT or CA AGREEMENT NAME: |
| 2. NAME OF OPERATOR: EOG RESOURCES, INC. | 8. WELL NAME and NUMBER: Lost Love 14-24 |
| 3. ADDRESS OF OPERATOR: 600 17th Street Ste 1000N , Denver, CO, 80202 | 9. API NUMBER: 43047555090000 |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 2170 FSL 1332 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSE Section: 24 Township: 11.0S Range: 21.0E Meridian: S | 9. FIELD and POOL or WILDCAT: UNDESIGNATED |
| | COUNTY: UINTAH |
| | STATE: UTAH |

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|--|--|---|---|
| <input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 1/4/2017 | <input type="checkbox"/> ACIDIZE | <input type="checkbox"/> ALTER CASING | <input type="checkbox"/> CASING REPAIR |
| <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS | <input type="checkbox"/> CHANGE TUBING | <input type="checkbox"/> CHANGE WELL NAME |
| <input type="checkbox"/> SPUD REPORT Date of Spud: | <input type="checkbox"/> CHANGE WELL STATUS | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> CONVERT WELL TYPE |
| <input type="checkbox"/> DRILLING REPORT Report Date: | <input type="checkbox"/> DEEPEN | <input type="checkbox"/> FRACTURE TREAT | <input type="checkbox"/> NEW CONSTRUCTION |
| | <input type="checkbox"/> OPERATOR CHANGE | <input type="checkbox"/> PLUG AND ABANDON | <input type="checkbox"/> PLUG BACK |
| | <input type="checkbox"/> PRODUCTION START OR RESUME | <input type="checkbox"/> RECLAMATION OF WELL SITE | <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION |
| | <input type="checkbox"/> REPERFORATE CURRENT FORMATION | <input type="checkbox"/> SIDETRACK TO REPAIR WELL | <input type="checkbox"/> TEMPORARY ABANDON |
| | <input type="checkbox"/> TUBING REPAIR | <input type="checkbox"/> VENT OR FLARE | <input type="checkbox"/> WATER DISPOSAL |
| | <input type="checkbox"/> WATER SHUTOFF | <input type="checkbox"/> SI TA STATUS EXTENSION | <input checked="" type="checkbox"/> APD EXTENSION |
| | <input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> OTHER | OTHER: <input style="width: 100px;" type="text"/> |

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

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

Approved by the
January 04, 2017
Oil, Gas and Mining

Date: _____
By: 

| | | |
|---|-------------------------------------|---------------------------------------|
| NAME (PLEASE PRINT) Wes Paine | PHONE NUMBER 303-262-9886 | TITLE Regulatory Specialist |
| SIGNATURE N/A | DATE 1/4/2017 | |



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 43047555090000

API: 43047555090000

Well Name: Lost Love 14-24

Location: 2170 FSL 1332 FEL QTR NWSE SEC 24 TWNP 110S RNG 210E MER S

Company Permit Issued to: EOG RESOURCES, INC.

Date Original Permit Issued: 1/4/2016

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: Wes Paine

Date: 1/4/2017

Title: Regulatory Specialist Representing: EOG RESOURCES, INC.