API Well Number: 43047516860000

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
Chapita Wells Unit 1547-23D

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
CHAPITA WELLS

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)
UTU0285A

11. MINERAL OWNERSHIP
FEDERAL ◉ INDIAN ○ STATE ○ FEE ○

12. SURFACE OWNERSHIP
FEDERAL ◉ INDIAN ○ STATE ○ FEE ○

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

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

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

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

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

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

19. SLANT
VERTICAL ○ DIRECTIONAL ◉ HORIZONTAL ○

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	29 FSL 1288 FEL	SESE	23	9.0 S	22.0 E	S
Top of Uppermost Producing Zone	289 FNL 926 FEL	NENE	26	9.0 S	22.0 E	S
At Total Depth	289 FNL 926 FEL	NENE	26	9.0 S	22.0 E	S

21. COUNTY
UINTAH

22. DISTANCE TO NEAREST LEASE LINE (Feet)
289

23. NUMBER OF ACRES IN DRILLING UNIT
1800

25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)
430

26. PROPOSED DEPTH
MD: 9352 TVD: 9310

27. ELEVATION - GROUND LEVEL
4972

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	10.5	Class G	150	3.82	11.0
							Class G	135	1.18	15.6
PROD	7.875	4.5	0 - 9352	11.6	N-80 LT&C	10.5	Hi Lift "G"	125	3.91	11.0
							50/50 Poz	915	1.28	14.1

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 Mickenzie Gates **TITLE** Operations Clerk **PHONE** 435 781-9145

SIGNATURE **DATE** 06/22/2011 **EMAIL** mickenzie_gates@eogresources.com

API NUMBER ASSIGNED
43047516860000

APPROVAL
Permit Manager

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DRILLING PLAN
MULTI-WELL PAD:
CWU 1547-23D, CWU 1548-23D, CWU 1549-23D, CWU 1550-23D, CWU 1551-23D
SE/SE, SEC. 23, T9S, R22E, S.L.B.&M..
UINTAH COUNTY, UTAH

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

	CWU 1547-23D		CWU 1548-23D		CWU 1549-23D		CWU 1550-23D***	
FORMATION	TVD	MD	TVD	MD	TVD	MD	TVD	MD
Green River	1549	1564	1563	1580	1563	1579	1566	1578
Birdsnest	1735	1753	1748	1768	1749	1770	1753	1768
Mahogany Oil Shale Bed	2253	2282	2257	2289	2262	2294	2276	2297
Wasatch	4609	4651	4615	4661	4623	4671	4635	4664
Chapita Wells	5198	5240	5208	5254	5220	5267	5226	5254
Buck Canyon	5858	5900	5879	5925	5898	5945	5905	5933
North Horn	6563	6605	6557	6603	6562	6609	6576	6604
KMV Price River	6946	6988	6970	7016	6988	7035	6996	7025
KMV Price River Middle	7814	7856	7824	7869	7837	7884	7847	7876
KMV Price River Lower	8596	8638	8613	8659	8627	8674	8636	8664
Sego	9106	9148	9134	9180	9143	9190	9151	9179
TD	9310	9352	9335	9381	9345	9392	9355	9383
ANTICIPATED BHP (PSI)	5083		5097		5102		5108	

	CWU 1551-23D							
FORMATION	TVD	MD						
Green River	1563	1577						
Birdsnest	1753	1770						
Mahogany Oil Shale Bed	2271	2298						
Wasatch	4630	4668						
Chapita Wells	5216	5254						
Buck Canyon	5887	5924						
North Horn	6577	6614						
KMV Price River	6976	7013						
KMV Price River Middle	7837	7874						
KMV Price River Lower	8620	8658						
Sego	9143	9181						
TD	9345	9383						
ANTICIPATED BHP (PSI)	5102							

***Note: CWU 1550-23D is in SW/SE of Section 23. All other wells are in SE/SE of Section 23.**

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

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DRILLING PLAN
MULTI-WELL PAD:
CWU 1547-23D, CWU 1548-23D, CWU 1549-23D, CWU 1550-23D, CWU 1551-23D
SE/SE, SEC. 23, T9S, R22E, S.L.B.&M..
UINTAH COUNTY, UTAH

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	Rating Burst	Tensile
Conductor	20"	0 – 60'	14"	32.5#	A252			1800 PSI	10,000#
Surface	12 ¼"	0 – 2,300'±	9 ⅝"	36.0#	J-55	STC	2020 PSI	3520 PSI	394,000#
Production	7 7/8"	Surface – TD	4 ½"	11.6#	N-80	LTC	6350 PSI	7780 PSI	223,000#

Note: 12 ¼" surface hole will be drilled to a total depth of 200'± below the base of the Green River lost circulation zone and cased w/9-⅝" 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.

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. 4-½", 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'±):

0' - 2300'± Air/Air mist/Aerated water
or
A closed mud system will be utilized with a gelled bentonite system. LCM sweeps, additions, etc. will be utilized as necessary.

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DRILLING PLAN
MULTI-WELL PAD:
CWU 1547-23D, CWU 1548-23D, CWU 1549-23D,
CWU 1550-23D, CWU 1551-23D
SE/SE, SEC. 23, T9S, R22E, S.L.B.&M..
UINTAH COUNTY, UTAH

Production Hole Procedure (2300'± - TD):

Anticipated mud weight 9.5-10.5 ppg depending on actul 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.

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: None
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 Gamma Ray

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DRILLING PLAN
MULTI-WELL PAD:
CWU 1547-23D, CWU 1548-23D, CWU 1549-23D,
CWU 1550-23D, CWU 1551-23D
SE/SE, SEC. 23, T9S, R22E, S.L.B.&M..
UINTAH COUNTY, UTAH

9. CEMENT PROGRAM:

Surface Hole Procedure (Surface - 2300'±):

Lead: **150 sks** Class "G" cement with 16% Gel, 10 #/sx Gilsonite, 3% Salt, 2% $CaCl_2$, 3 lb/sx GR3 ¼ #/sx Flocele mixed at 11 ppg, 3.82 ft^3/sk. yield, 23 gps water.

Tail: **135 sks** Class "G" cement with 2% $CaCl_2$, ¼#/sk Flocele mixed at 15.6 ppg, 1.18 ft^3/sk., 5.2 gps water.

Top Out: As necessary with Class "G" cement with 2% $CaCl_2$, ¼#/sk Flocele mixed at 15.6 ppg, 1.18 ft^3/sk., 5.2 gps water.

Note: The above number of sacks is based on gauge-hole calculation
Lead volume to be calculated to bring cement to surface.
Tail volume to be calculated to bring cement to 500' above the shoe.

Production Hole Procedure (2300'± - TD)

Lead: **125 sks:** Hi-Lift "G" w/12% D20 (Bentonite), 1% D79 (Extender), 5% D44 (Salt),0.2% D46 (Antifoam), 0.25% D112 (Fluid Loss Additive), 0.25 pps D29 (cello flakes) mixed at 11.0 ppg, 3.91 ft^3/sk., 24.5 gps water.

Tail: **915 sks:** 50:50 Poz "G" w/ 2% D20 (Bentonite), 0.1% D46 (Antifoam), 0.075% D13 (Retarder), 0.2% D167 (Fluid Loss Additive), 0.2% D65 (Dispersant), mixed at 14.1 ppg, 1.28 ft^3/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.

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DRILLING PLAN
MULTI-WELL PAD:
CWU 1547-23D, CWU 1548-23D, CWU 1549-23D,
CWU 1550-23D, CWU 1551-23D
SE/SE, SEC. 23, T9S, R22E, 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)

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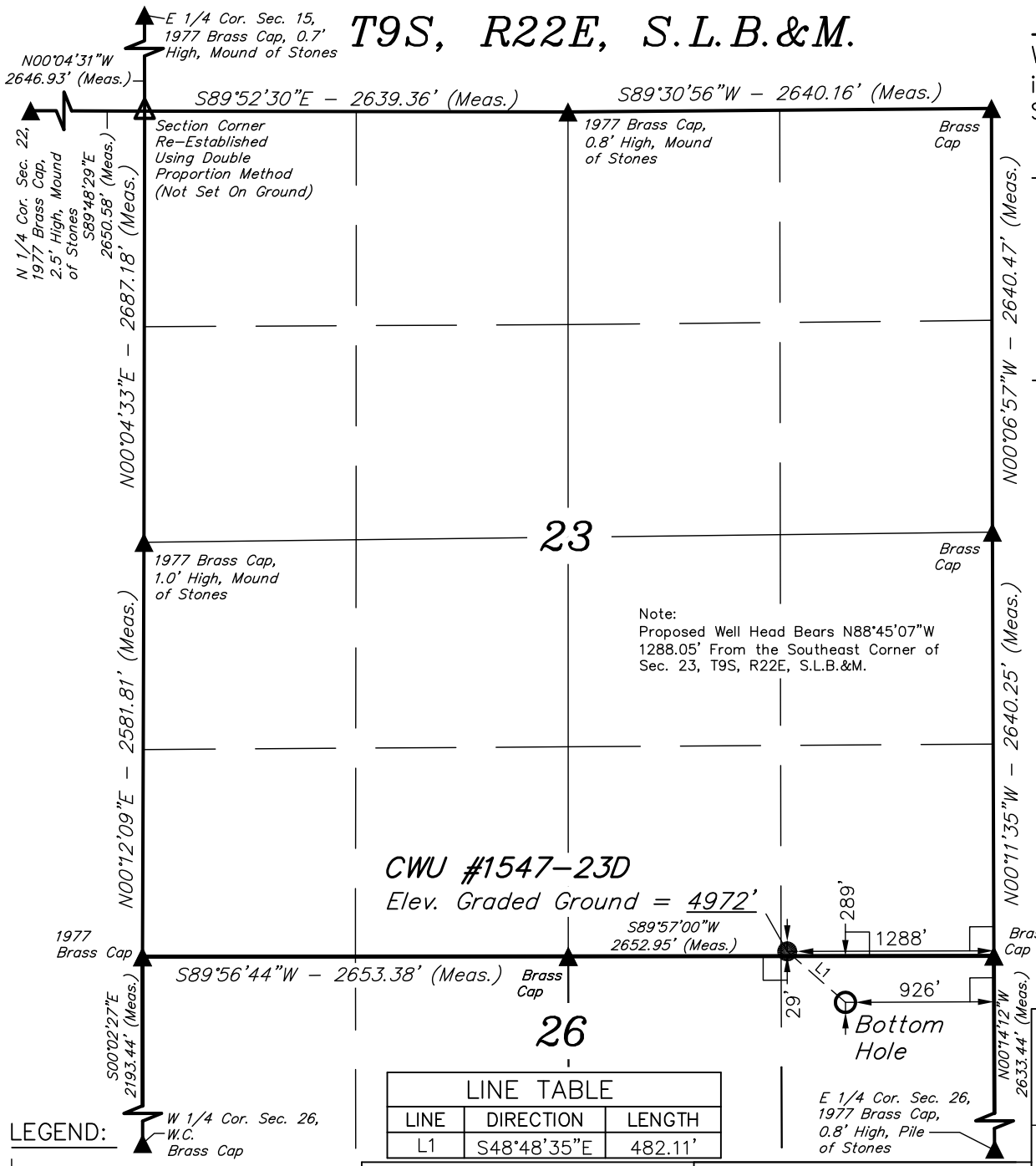
T9S, R22E, S.L.B.&M.



EOG RESOURCES, INC.

Well location, CWU #1547-23D, located as shown in the SE 1/4 SE 1/4 of Section 23, T9S, R22E, 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.

N

1000' 500' 0' 1000'

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.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

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

LEGEND:

└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

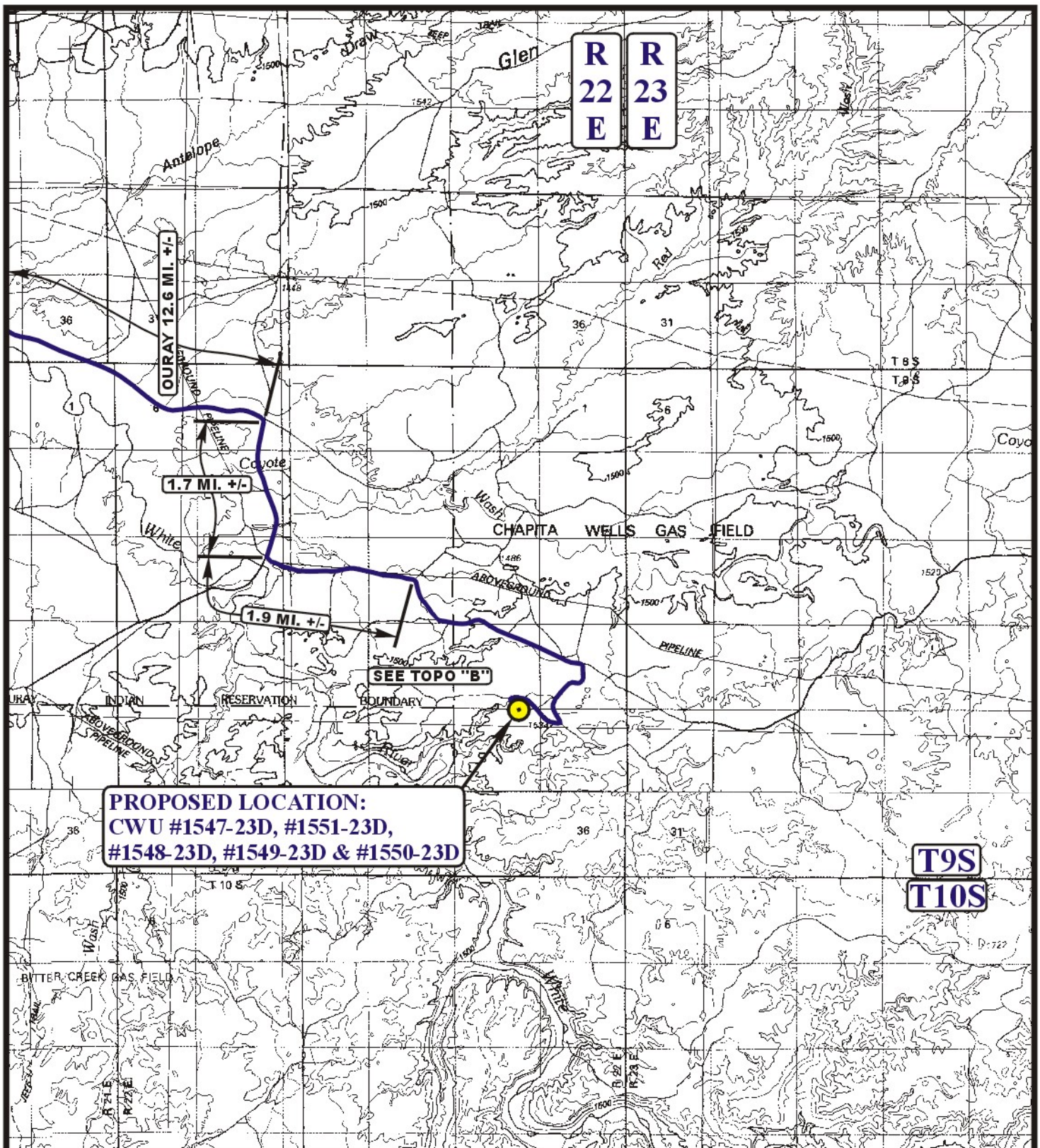
▲ = SECTION CORNERS LOCATED.

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S48°48'35"E	482.11'

NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 40°00'48.40" (40.013444)	LATITUDE = 40°00'51.55" (40.014319)
LONGITUDE = 109°24'03.82" (109.401061)	LONGITUDE = 109°24'08.48" (109.402356)
NAD 27 (TARGET BOTTOM HOLE)	**NAD 27 (SURFACE LOCATION)**
LATITUDE = 40°00'48.53" (40.013480)	LATITUDE = 40°00'51.67" (40.014353)
LONGITUDE = 109°24'01.37" (109.400379)	LONGITUDE = 109°24'06.02" (109.401672)

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

SCALE 1" = 1000'	DATE SURVEYED: 11-23-09	DATE DRAWN: 12-07-09
PARTY G.S. C.R. K.G.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE EOG RESOURCES, INC.	



LEGEND:

PROPOSED LOCATION

N

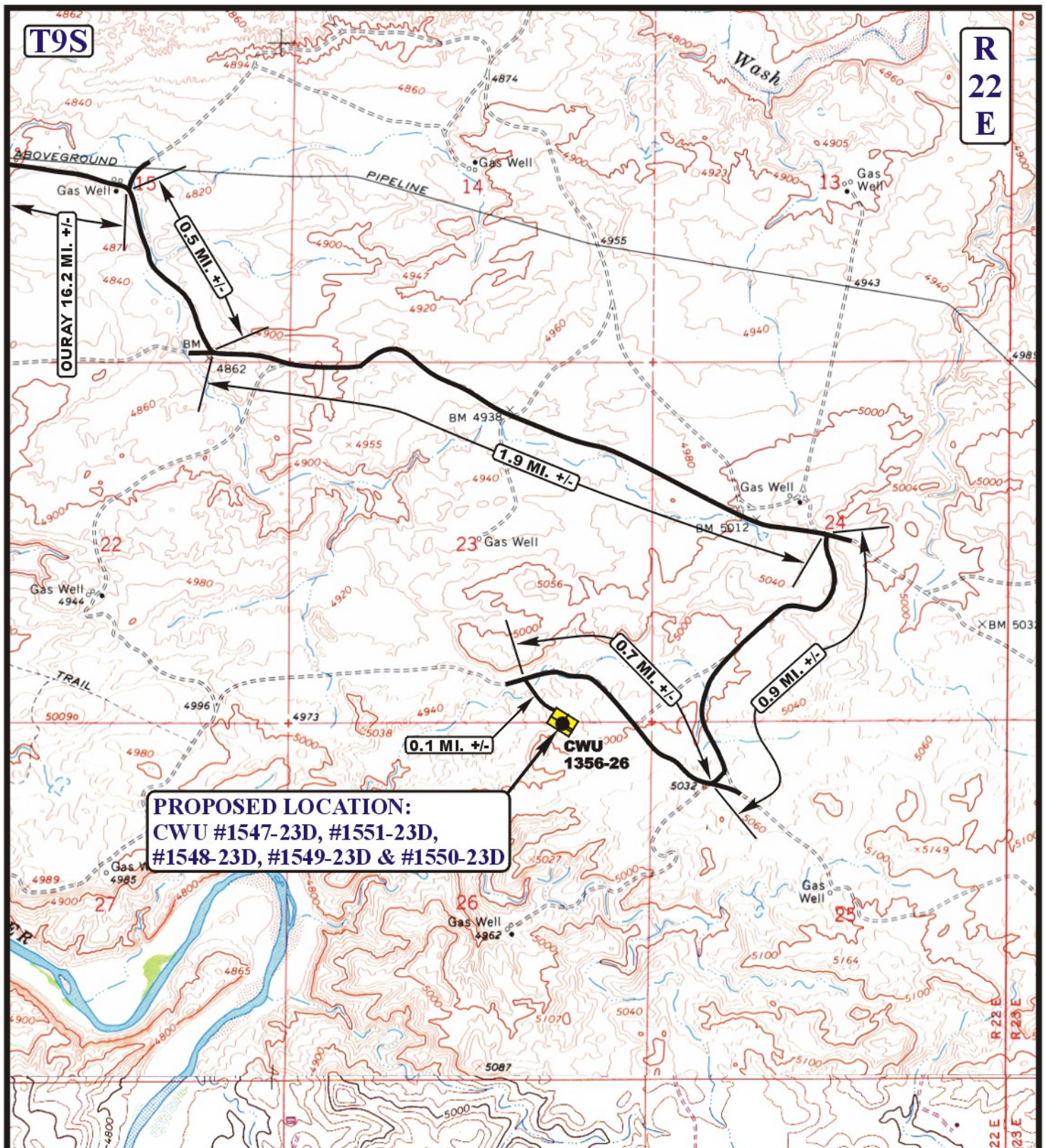
EOG RESOURCES, INC.

CWU #1547-23D, #1551-23D,
#1548-23D, #1549-23D & #1550-23D
SECTION 23, T9S, R22E, S.L.B.&M.
S 1/2 SE 1/4

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

TOPOGRAPHIC MAP	11 MONTH	24 DAY	09 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: J.L.G.	REVISED: 12-15-09		

RECEIVED: Jul. 26, 2011



LEGEND:

EXISTING ROAD
PROPOSED ACCESS ROAD

N

EOG RESOURCES, INC.

CWU #1547-23D, #1551-23D,
#1548-23D, #1549-23D & #1550-23D
SECTION 23, T9S, R22E, S.L.B.&M.
S 1/2 SE 1/4

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

TOPOGRAPHIC MAP	11 MONTH	24 DAY	09 YEAR	B TOPO
SCALE: 1" = 2000'	DRAWN BY: J.L.G.	REVISED: 12-15-09		

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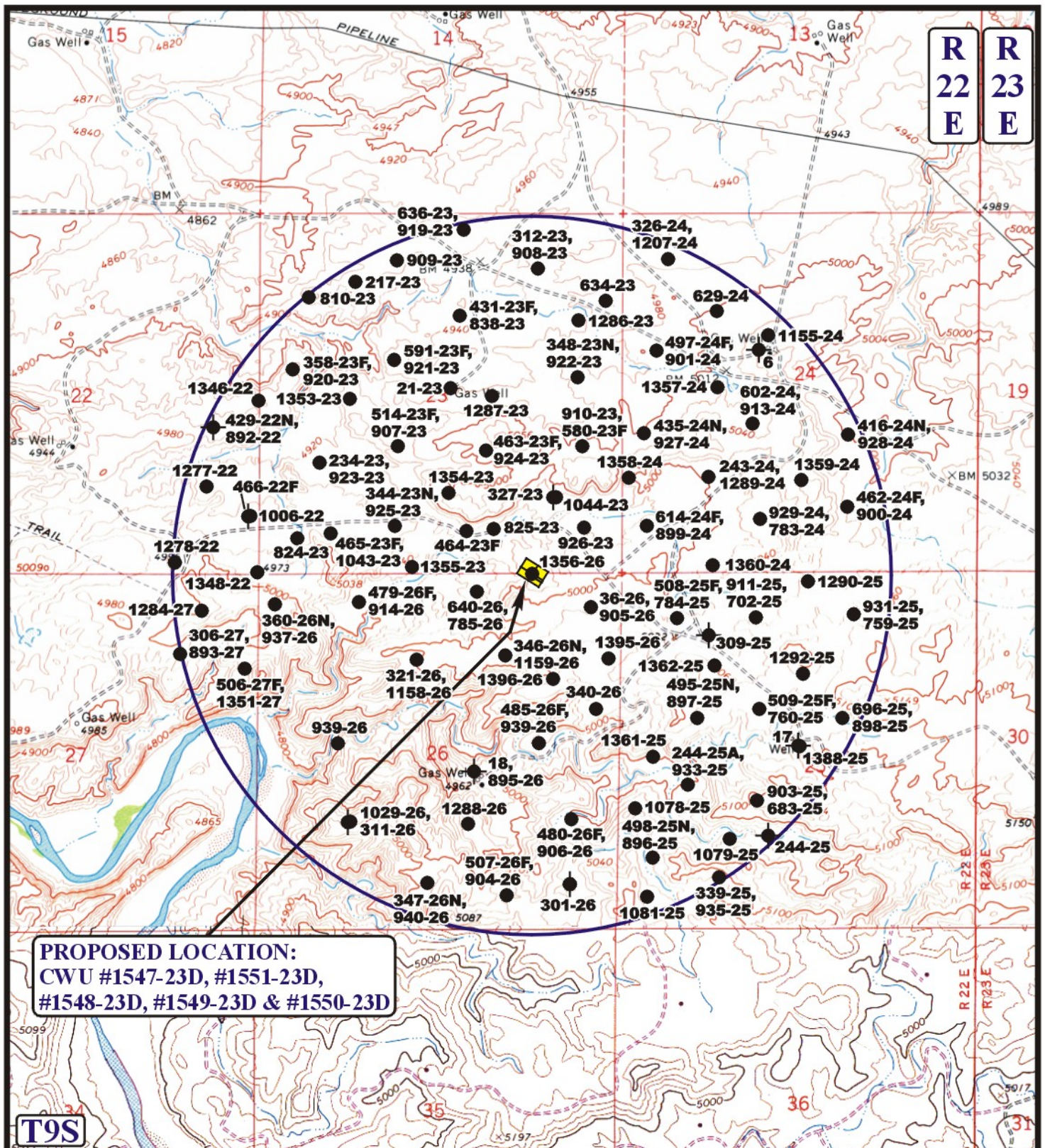

LEGEND:

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

N

EOG RESOURCES, INC.

CWU #1547-23D, #1551-23D,
#1548-23D, #1549-23D & #1550-23D
SECTION 23, T9S, R22E, S.L.B.&M.
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TOPOGRAPHIC MAP	11 MONTH	24 DAY	09 YEAR	C TOPO
SCALE: 1" = 2000'	DRAWN BY: J.L.G.	REVISED: 12-15-09		

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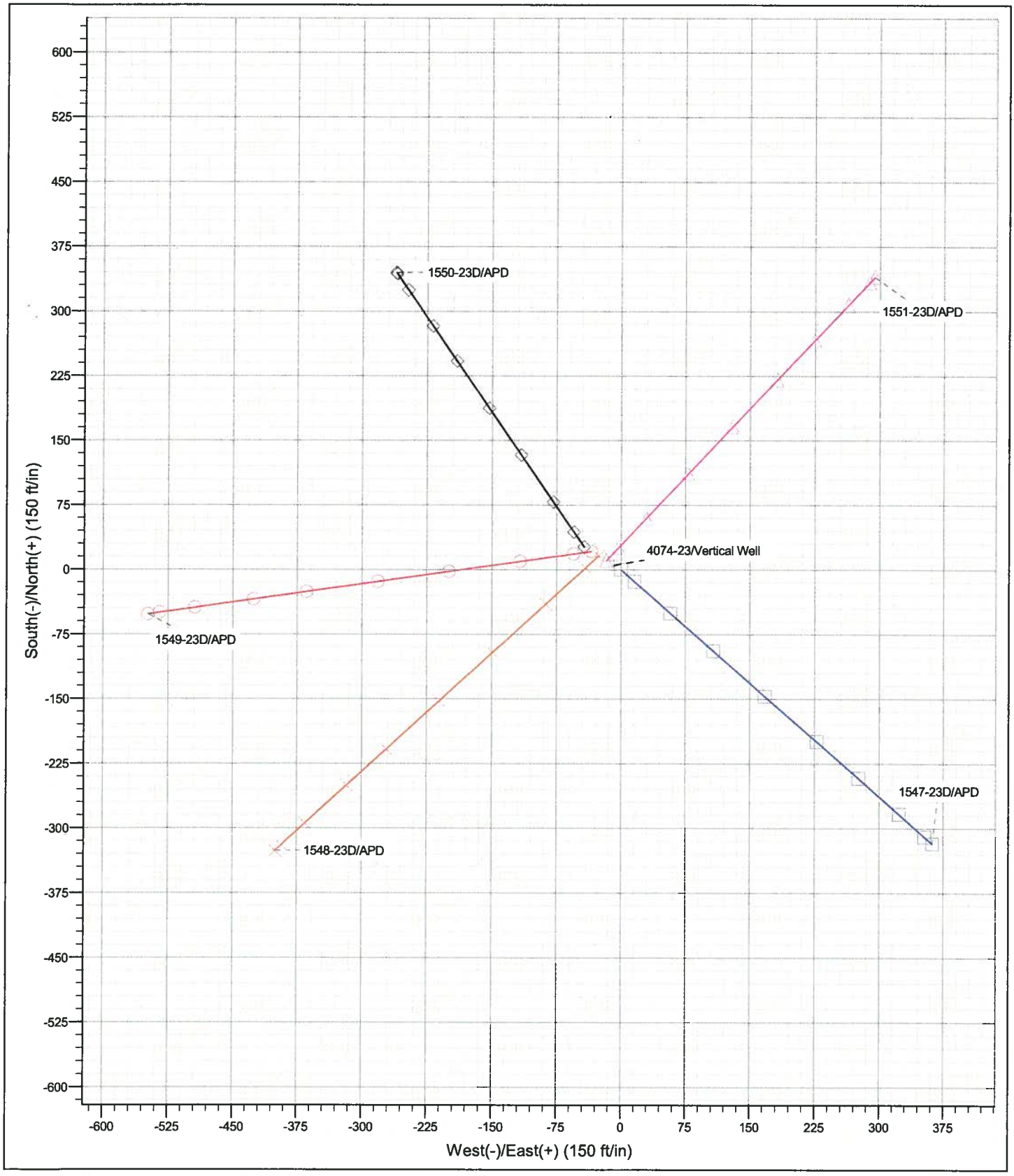
CWU 1547-23D, CWU 1548-23D, CWU 1549-23D
CWU 1550-23D, CWU 1551-23D

SE/SE, SEC. 23 T9S, R22E, S.L.B. & M.
UINTAH COUNTY, UTAH



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API Well Number: 43047516860000

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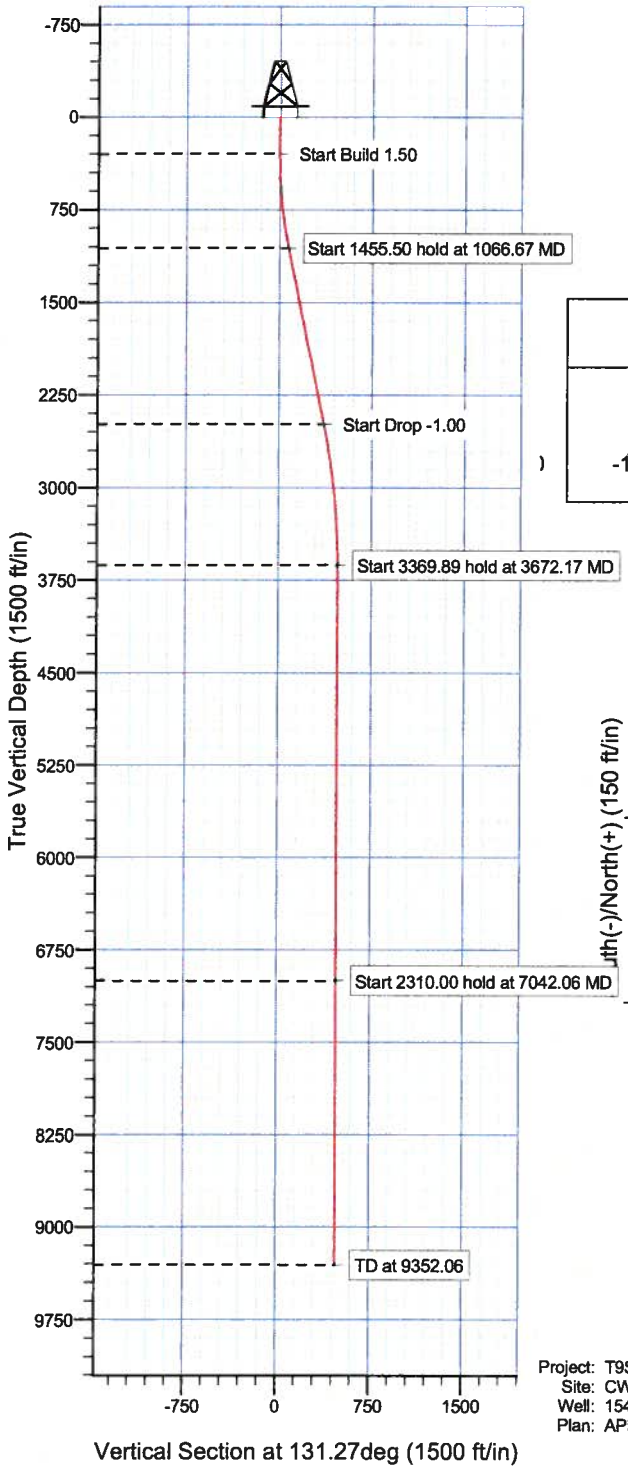
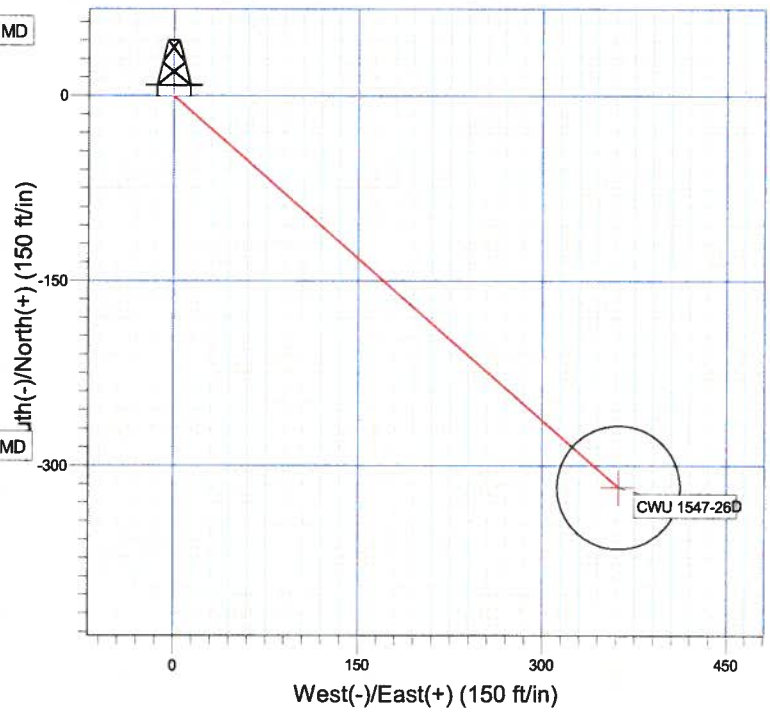
CWU 1547-23D

Section 23 T9S R22E
Uintah County, UT



Surface Location			
NAD 1927 (NADCON CONUS) Utah North 4301			
Ground Elevation: 4972.00 RIG @ 4991.00ft (True 34)			
Northing	Easting	Latitude	Longitude
-109119.65	2587819.16	40°0' 51.670 N	109°24' 6.020 W



Project: T9S-R22E Sec 23
Site: CWU 1547-1551 23D (Pad D4_CWU 1356-26_Set 14)
Well: 1547-23D
Plan: APD

Azimuths to True North
Magnetic North: 11.24°

Magnetic Field
Strength: 52550.1snT
Dip Angle: 65.95°
Date: 9/25/2009
Model: IGRF200510

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	
3	1066.67	11.50	131.27	1061.53	-50.58	57.64	1.50	131.27	76.68	
4	2522.17	11.50	131.27	2487.81	-241.97	275.75	0.00	0.00	366.86	
5	3672.17	0.00	0.00	3630.11	-317.83	362.21	1.00	180.00	481.89	
6	7042.06	0.00	0.00	7000.00	-317.83	362.21	0.00	0.00	481.89	CWU 1547-26D
7	9352.06	0.00	0.00	9310.00	-317.83	362.21	0.00	0.00	481.89	

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
CWU 1547-26D	7000.00	-317.83	362.21	-109428.65	2588188.94	40°0' 48.529 N	109°24' 1.366 W	Circle (Radius: 50. 00)

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Denver Division - Utah

T9S-R22E Sec 23
CWU 1547-1551 23D (Pad D4_CWU 1356-26_Set 14)
1547-23D
Wellbore #1

Plan: APD

Standard Planning Report

21 September, 2010

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EOG RESOURCES INC.

Planning Report

Database:	EDM	**Local Co-ordinate Reference:**	Well 1547-23D
Company:	Denver Division - Utah	**TVD Reference:**	RIG @ 4991.00ft (True 34)
Project:	T9S-R22E Sec 23	**MD Reference:**	RIG @ 4991.00ft (True 34)
Site:	CWU 1547-1551 23D (Pad D4_CWU 1356-26_S	**North Reference:**	True
Well:	1547-23D	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	APD		

Project T9S-R22E Sec 23

Map System:	US State Plane 1927 (Exact solution)	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Utah North 4301		

Site CWU 1547-1551 23D (Pad D4_CWU 1356-26_Set 14)

Site Position:		**Northing:**	-109,159.81ft	**Latitude:**	40° 0' 51.278 N
From:	Lat/Long	**Easting:**	2,587,797.49ft	**Longitude:**	109° 24' 6.311 W
Position Uncertainty:	0.00 ft	**Slot Radius:**	"	**Grid Convergence:**	1.38 deg

Well 1547-23D

Well Position	**+N/-S**	0.00 ft	**Northing:**	-109,119.65 ft	**Latitude:**	40° 0' 51.670 N
	+E/-W	0.00 ft	**Easting:**	2,587,819.16 ft	**Longitude:**	109° 24' 6.020 W
Position Uncertainty		0.00 ft	**Wellhead Elevation:**	ft	**Ground Level:**	4,972.00ft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (deg)	Dip Angle (deg)	Field Strength (nT)
	IGRF200510	9/25/2009	11.24	65.95	52,550

Design APD

Audit Notes:

Version:		**Phase:**	PROTOTYPE	**Tie On Depth:**	0.00

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (deg)
	0.00	0.00	0.00	131.27

Plan Sections

Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (deg)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,066.67	11.50	131.27	1,061.53	-50.58	57.64	1.50	1.50	0.00	131.27	
2,522.17	11.50	131.27	2,487.81	-241.97	275.75	0.00	0.00	0.00	0.00	
3,672.17	0.00	0.00	3,630.11	-317.83	362.21	1.00	-1.00	0.00	180.00	
7,042.06	0.00	0.00	7,000.00	-317.83	362.21	0.00	0.00	0.00	0.00	CWU 1547-26D
9,352.06	0.00	0.00	9,310.00	-317.83	362.21	0.00	0.00	0.00	0.00	

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EOG RESOURCES INC.

Planning Report

Database:	EDM	**Local Co-ordinate Reference:**	Well 1547-23D
Company:	Denver Division - Utah	**TVD Reference:**	RIG @ 4991.00ft (True 34)
Project:	T9S-R22E Sec 23	**MD Reference:**	RIG @ 4991.00ft (True 34)
Site:	CWU 1547-1551 23D (Pad D4_CWU 1356-26_S	**North Reference:**	True
Well:	1547-23D	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	APD		

Planned Survey

Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	1.50	131.27	399.99	-0.86	0.98	1.31	1.50	1.50	0.00
500.00	3.00	131.27	499.91	-3.45	3.93	5.23	1.50	1.50	0.00
600.00	4.50	131.27	599.69	-7.77	8.85	11.77	1.50	1.50	0.00
700.00	6.00	131.27	699.27	-13.80	15.73	20.92	1.50	1.50	0.00
800.00	7.50	131.27	798.57	-21.55	24.56	32.68	1.50	1.50	0.00
900.00	9.00	131.27	897.54	-31.02	35.35	47.03	1.50	1.50	0.00
1,000.00	10.50	131.27	996.09	-42.19	48.08	63.96	1.50	1.50	0.00
1,066.67	11.50	131.27	1,061.53	-50.58	57.64	76.68	1.50	1.50	0.00
1,100.00	11.50	131.27	1,094.19	-54.96	62.63	83.33	0.00	0.00	0.00
1,200.00	11.50	131.27	1,192.19	-68.11	77.62	103.26	0.00	0.00	0.00
1,300.00	11.50	131.27	1,290.18	-81.26	92.60	123.20	0.00	0.00	0.00
1,400.00	11.50	131.27	1,388.17	-94.41	107.59	143.14	0.00	0.00	0.00
1,500.00	11.50	131.27	1,486.16	-107.56	122.57	163.07	0.00	0.00	0.00
1,600.00	11.50	131.27	1,584.16	-120.71	137.56	183.01	0.00	0.00	0.00
1,700.00	11.50	131.27	1,682.15	-133.86	152.55	202.95	0.00	0.00	0.00
1,800.00	11.50	131.27	1,780.14	-147.01	167.53	222.88	0.00	0.00	0.00
1,900.00	11.50	131.27	1,878.13	-160.16	182.52	242.82	0.00	0.00	0.00
2,000.00	11.50	131.27	1,976.13	-173.31	197.50	262.76	0.00	0.00	0.00
2,100.00	11.50	131.27	2,074.12	-186.46	212.49	282.70	0.00	0.00	0.00
2,200.00	11.50	131.27	2,172.11	-199.61	227.47	302.63	0.00	0.00	0.00
2,300.00	11.50	131.27	2,270.10	-212.76	242.46	322.57	0.00	0.00	0.00
2,400.00	11.50	131.27	2,368.10	-225.90	257.44	342.51	0.00	0.00	0.00
2,500.00	11.50	131.27	2,466.09	-239.05	272.43	362.44	0.00	0.00	0.00
2,522.17	11.50	131.27	2,487.81	-241.97	275.75	366.86	0.00	0.00	0.00
2,600.00	10.72	131.27	2,564.18	-251.86	287.02	381.86	1.00	-1.00	0.00
2,700.00	9.72	131.27	2,662.60	-263.57	300.36	399.61	1.00	-1.00	0.00
2,800.00	8.72	131.27	2,761.30	-274.14	312.41	415.63	1.00	-1.00	0.00
2,900.00	7.72	131.27	2,860.27	-283.57	323.16	429.93	1.00	-1.00	0.00
3,000.00	6.72	131.27	2,959.48	-291.86	332.61	442.50	1.00	-1.00	0.00
3,100.00	5.72	131.27	3,058.89	-299.01	340.75	453.34	1.00	-1.00	0.00
3,200.00	4.72	131.27	3,158.47	-305.01	347.59	462.44	1.00	-1.00	0.00
3,300.00	3.72	131.27	3,258.20	-309.87	353.13	469.80	1.00	-1.00	0.00
3,400.00	2.72	131.27	3,358.04	-313.57	357.35	475.42	1.00	-1.00	0.00
3,500.00	1.72	131.27	3,457.96	-316.13	360.26	479.30	1.00	-1.00	0.00
3,600.00	0.72	131.27	3,557.94	-317.53	361.87	481.43	1.00	-1.00	0.00
3,672.17	0.00	0.00	3,630.11	-317.83	362.21	481.89	1.00	-1.00	0.00
3,700.00	0.00	0.00	3,657.94	-317.83	362.21	481.89	0.00	0.00	0.00
3,800.00	0.00	0.00	3,757.94	-317.83	362.21	481.89	0.00	0.00	0.00
3,900.00	0.00	0.00	3,857.94	-317.83	362.21	481.89	0.00	0.00	0.00
4,000.00	0.00	0.00	3,957.94	-317.83	362.21	481.89	0.00	0.00	0.00
4,100.00	0.00	0.00	4,057.94	-317.83	362.21	481.89	0.00	0.00	0.00
4,200.00	0.00	0.00	4,157.94	-317.83	362.21	481.89	0.00	0.00	0.00
4,300.00	0.00	0.00	4,257.94	-317.83	362.21	481.89	0.00	0.00	0.00
4,400.00	0.00	0.00	4,357.94	-317.83	362.21	481.89	0.00	0.00	0.00
4,500.00	0.00	0.00	4,457.94	-317.83	362.21	481.89	0.00	0.00	0.00
4,600.00	0.00	0.00	4,557.94	-317.83	362.21	481.89	0.00	0.00	0.00
4,700.00	0.00	0.00	4,657.94	-317.83	362.21	481.89	0.00	0.00	0.00
4,800.00	0.00	0.00	4,757.94	-317.83	362.21	481.89	0.00	0.00	0.00
4,900.00	0.00	0.00	4,857.94	-317.83	362.21	481.89	0.00	0.00	0.00
5,000.00	0.00	0.00	4,957.94	-317.83	362.21	481.89	0.00	0.00	0.00

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EOG RESOURCES INC.

Planning Report

Database:	EDM	**Local Co-ordinate Reference:**	Well 1547-23D
Company:	Denver Division - Utah	**TVD Reference:**	RIG @ 4991.00ft (True 34)
Project:	T9S-R22E Sec 23	**MD Reference:**	RIG @ 4991.00ft (True 34)
Site:	CWU 1547-1551 23D (Pad D4_CWU 1356-26_S	**North Reference:**	True
Well:	1547-23D	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	APD		

Planned Survey

Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,100.00	0.00	0.00	5,057.94	-317.83	362.21	481.89	0.00	0.00	0.00
5,200.00	0.00	0.00	5,157.94	-317.83	362.21	481.89	0.00	0.00	0.00
5,300.00	0.00	0.00	5,257.94	-317.83	362.21	481.89	0.00	0.00	0.00
5,400.00	0.00	0.00	5,357.94	-317.83	362.21	481.89	0.00	0.00	0.00
5,500.00	0.00	0.00	5,457.94	-317.83	362.21	481.89	0.00	0.00	0.00
5,600.00	0.00	0.00	5,557.94	-317.83	362.21	481.89	0.00	0.00	0.00
5,700.00	0.00	0.00	5,657.94	-317.83	362.21	481.89	0.00	0.00	0.00
5,800.00	0.00	0.00	5,757.94	-317.83	362.21	481.89	0.00	0.00	0.00
5,900.00	0.00	0.00	5,857.94	-317.83	362.21	481.89	0.00	0.00	0.00
6,000.00	0.00	0.00	5,957.94	-317.83	362.21	481.89	0.00	0.00	0.00
6,100.00	0.00	0.00	6,057.94	-317.83	362.21	481.89	0.00	0.00	0.00
6,200.00	0.00	0.00	6,157.94	-317.83	362.21	481.89	0.00	0.00	0.00
6,300.00	0.00	0.00	6,257.94	-317.83	362.21	481.89	0.00	0.00	0.00
6,400.00	0.00	0.00	6,357.94	-317.83	362.21	481.89	0.00	0.00	0.00
6,500.00	0.00	0.00	6,457.94	-317.83	362.21	481.89	0.00	0.00	0.00
6,600.00	0.00	0.00	6,557.94	-317.83	362.21	481.89	0.00	0.00	0.00
6,700.00	0.00	0.00	6,657.94	-317.83	362.21	481.89	0.00	0.00	0.00
6,800.00	0.00	0.00	6,757.94	-317.83	362.21	481.89	0.00	0.00	0.00
6,900.00	0.00	0.00	6,857.94	-317.83	362.21	481.89	0.00	0.00	0.00
7,000.00	0.00	0.00	6,957.94	-317.83	362.21	481.89	0.00	0.00	0.00
7,042.06	0.00	0.00	7,000.00	-317.83	362.21	481.89	0.00	0.00	0.00
CWU 1547-26D									
7,100.00	0.00	0.00	7,057.94	-317.83	362.21	481.89	0.00	0.00	0.00
7,200.00	0.00	0.00	7,157.94	-317.83	362.21	481.89	0.00	0.00	0.00
7,300.00	0.00	0.00	7,257.94	-317.83	362.21	481.89	0.00	0.00	0.00
7,400.00	0.00	0.00	7,357.94	-317.83	362.21	481.89	0.00	0.00	0.00
7,500.00	0.00	0.00	7,457.94	-317.83	362.21	481.89	0.00	0.00	0.00
7,600.00	0.00	0.00	7,557.94	-317.83	362.21	481.89	0.00	0.00	0.00
7,700.00	0.00	0.00	7,657.94	-317.83	362.21	481.89	0.00	0.00	0.00
7,800.00	0.00	0.00	7,757.94	-317.83	362.21	481.89	0.00	0.00	0.00
7,900.00	0.00	0.00	7,857.94	-317.83	362.21	481.89	0.00	0.00	0.00
8,000.00	0.00	0.00	7,957.94	-317.83	362.21	481.89	0.00	0.00	0.00
8,100.00	0.00	0.00	8,057.94	-317.83	362.21	481.89	0.00	0.00	0.00
8,200.00	0.00	0.00	8,157.94	-317.83	362.21	481.89	0.00	0.00	0.00
8,300.00	0.00	0.00	8,257.94	-317.83	362.21	481.89	0.00	0.00	0.00
8,400.00	0.00	0.00	8,357.94	-317.83	362.21	481.89	0.00	0.00	0.00
8,500.00	0.00	0.00	8,457.94	-317.83	362.21	481.89	0.00	0.00	0.00
8,600.00	0.00	0.00	8,557.94	-317.83	362.21	481.89	0.00	0.00	0.00
8,700.00	0.00	0.00	8,657.94	-317.83	362.21	481.89	0.00	0.00	0.00
8,800.00	0.00	0.00	8,757.94	-317.83	362.21	481.89	0.00	0.00	0.00
8,900.00	0.00	0.00	8,857.94	-317.83	362.21	481.89	0.00	0.00	0.00
9,000.00	0.00	0.00	8,957.94	-317.83	362.21	481.89	0.00	0.00	0.00
9,100.00	0.00	0.00	9,057.94	-317.83	362.21	481.89	0.00	0.00	0.00
9,200.00	0.00	0.00	9,157.94	-317.83	362.21	481.89	0.00	0.00	0.00
9,300.00	0.00	0.00	9,257.94	-317.83	362.21	481.89	0.00	0.00	0.00
9,352.06	0.00	0.00	9,310.00	-317.83	362.21	481.89	0.00	0.00	0.00

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EOG RESOURCES INC.

Planning Report

Database:	EDM	**Local Co-ordinate Reference:**	Well 1547-23D
Company:	Denver Division - Utah	**TVD Reference:**	RIG @ 4991.00ft (True 34)
Project:	T9S-R22E Sec 23	**MD Reference:**	RIG @ 4991.00ft (True 34)
Site:	CWU 1547-1551 23D (Pad D4_CWU 1356-26_S	**North Reference:**	True
Well:	1547-23D	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	APD		

Targets

Target Name - hit/miss target - Shape	Dip Angle (deg)	Dip Dir. (deg)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
CWU 1547-26D - plan hits target center - Circle (radius 50.00)	0.00	0.00	7,000.00	-317.83	362.21	-109,428.65	2,588,188.94	40° 0' 48.529 N	109° 24' 1.366 W

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eog resources

Chapita Wells Unit 1547-23D through 1551-23D
Surface Use Plan
Section 23, T9S, R22E
Uintah County, Utah

EOG Resources, Inc.'s (EOG) conventional oil/gas wells are located approximately 51.3 miles south of Vernal, Utah within Uintah County. This project consists of five (5) new wells to be constructed on the existing well pad for Chapita Wells Unit 1356-26.

The proposed wells are located on federal surface. Title to the oil and gas mineral interest is federally owned and is administered by the Vernal Field Office of the Bureau of Land Management (BLM).

The proposed wells are conventional gas wells producing from the Mesaverde formation. Unproductive drill holes will be plugged and abandoned as soon as evaluation of the production intervals is conclusive.

This project applies to the following new proposed wells.

Well Name & Number	QTR	Section	Township	Range	Total Depth
Chapita Wells Unit 1547-23D	SWSE	23	9S	22E	
Chapita Wells Unit 1548-23D	SWSE	23	9S	22E	
Chapita Wells Unit 1549-23D	SWSE	23	9S	22E	
Chapita Wells Unit 1550-23D	SWSE	23	9S	22E	
Chapita Wells Unit 1551-23D	SWSE	23	9S	22E	

The proposed action is to directionally drill five conventional gas wells to the Mesaverde formation.
The proposed action involves:

Activity	Length (ft)	Width (ft)	Acres of Disturbance
Existing Disturbance	320	234	2.469
New Disturbance	250	60	0.35
Cut/fills & Topsoil/spoil stockpile	Varies	Varies	
Access Road	Existing	Existing	0
Total New Disturbance			0

EOG will build each pad to accommodate up to six wells. The acres of disturbance provided above are the maximum disturbance expected for each pad.

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The proposed well locations require the construction of five (5) engineered (cut & fill) well pads. The total surface disturbance associated with the construction of these locations is approximately 2.82 acres. This figure includes disturbance associated with the well pads, the spoil and topsoils storage areas, and the construction equipment and vehicle disturbance.

1. EXISTING ROADS:

Refer to Sheet # 4 and Sheet # 5 for location of existing access roads.

The proposed locations are approximately 51.2 miles from Vernal, Utah.

Directions to the proposed locations are provided on the front page of the location plats.

The existing roads will be maintained in the same or better condition as existed prior to the commencement of operations. Maintenance of the roads to the proposed locations will continue until abandonment and reclamation of the wells.

A federal road right of way is not required, Uintah County roads and authorized Unit roads will be used to access the proposed well site.

2. *Access Roads to be Constructed:*

No new roads will be required to access the proposed well site.

Roads and associated drainage structures will be maintained in accordance with guidelines contained in the joint BLM/USFS publication: *Surface Operating Standards for Oil and Gas Exploration and Development*, Fourth Edition, and/or BLM Manual Section 9113 concerning road construction standards on projects subject to federal jurisdiction. During the drilling and production phase of operations, the road surface and shoulders will be kept in a safe and useable condition and drainage ditches and culverts will be kept clear and free flowing.

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

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

Please refer to Topo C for the location of existing wells within a one-mile radius of the proposed wells.

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

See the proposed *Production Facility Layout* diagrams showing the proposed production facilities to be utilized on Figure 3.

All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope.

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**

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facilities will be painted with Carlsbad Canyon. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded

Containment berms will be constructed completely around production facilities designed to hold fluids (i.e., production tanks, produced water tanks, and/or heater/treater). The containment berms will be constructed of compacted subsoil, be sufficiently impervious, hold 110 percent of the capacity of the largest tank, and be independent of the back cut.

All safety measures have been considered in the design, construction, operation, and maintenance of the facility. EOG will have a designated representative present during construction. Any accidents to persons or property on federal lands will immediately be reported to the Authorized Officer.

Production facilities will be set on location if the wells are successfully completed for production. Facilities will consist of wellhead valves, combo separator-dehy unit with meter, two (2) to eight (8) 400-bbl and one (1) 300-bbl vertical tanks and attaching piping.

Gas gathering lines – A 4" gathering line will be buried from dehy to the edge of the location.

5. Location and Type of Water Supply:

Water supply will be 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.

No water well will be drilled on lease.

6. Source of Construction Materials:

Any construction materials that may be required for surfacing of the drill pads and access roads will be obtained from a contractor having a permitted source of materials within the general area.

No construction materials will be removed from Federal or Indian lands without prior approval from the appropriate surface management agency.

7. Methods of Handling Waste Disposal:

Cuttings and drilling fluids will be contained within the closed loop system. Cutting will be dried on site hauled to an authorized disposal site and/or spread on the access road and well pad.

Fracture stimulation fluids will be flowed back into (above ground tanks) closed loop system and hauled to a DEQ authorized disposal site

A portable toilet will be provided for human waste during the drilling and completion of the well. Disposal will be at an authorized site.

All garbage and non-flammable waste materials will be contained in a self-contained, portable dumpster or trash cage. Upon completion of operations, or as needed, the

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accumulated trash will be transported to a state approved waste disposal site. No trash will be placed in the reserve pit.

Immediately after removal of the drilling rig, all debris and other waste materials not contained in the trash cage will be cleaned up and removed from the location. No potentially adverse materials or substances will be left on the location. Any open pits will be fenced during drilling operations and said fencing will be maintained until such time as the pits have been backfilled.

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

8. ANCILLARY FACILITIES:

None anticipated.

9. WELL SITE LAYOUT:

See the attached diagrams showing the proposed drill pad cross sections and cut and fills in relation to topographic features as well as access onto the pad and soil stockpiles.

All equipment and vehicles will be confined to the approved disturbed areas of this APD (i.e., access road, well pad, and spoil and topsoil storage areas).

If necessary, in order to divert surface runoff, a drainage ditch will be constructed around the upslope side of the well site.

The fill section of the pad that supports the drilling rig and any other heavy equipment will be compacted.

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 surface drill cuttings pile will be bermed and lined with bentonite. Drill cuttings will be dried and spread on location. More stringent protective requirements may be deemed necessary by the A.O.

The closed loop system will be constructed in a way that minimizes the accumulation of surface precipitation runoff into the cuttings containment area. This may be accomplished by appropriate placement of subsoil/topsoil storage areas and/or construction of berms or ditches.

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The closed loop system will be fenced on three sides during drilling operations and the fourth side will be fenced after the drilling rig moves off the location. This fence will be either: (1) woven wire at least 28 inches high and within 4 inches of ground surface with 2 strands of barbed wire above the woven wire with 10 inch spacing, or (2) at least 4 strands of barbed wire spaced, starting from the ground, at approximately 6, 8, 10, and 12 inch intervals.

Siphons, catchments, drip pans, and absorbent pads will be installed to keep hydrocarbons produced by the drilling and/or completion rigs from entering the closed loop system. Hydrocarbons and contaminated pads will be disposed of in accordance with Utah DEQ requirements.

10. PLANS FOR RECLAMATION OF THE SURFACE:

A. Interim Reclamation:

Rat and mouse holes will be filled and compacted from bottom to top immediately upon release of the drilling rig from the location.

Topsoil from the berms and/or storage piles will be spread along the road's cut and fill slopes. Drainage ditches or culverts will not be blocked with topsoil and associated organic matter. The unused area of the pad will be recontoured and topsoil spread six inches deep. The area on the contour will be ripped one foot deep using ripper teeth set on one-foot centers. The topsoil areas and reclaimed area of the well pad will be seeded as stated below.

All disturbed areas will be seeded using a drill equipped with a depth regulator. All seed will be drilled on the contour. The seed will be planted between one-quarter and one-half inch deep. Where drilling is not possible (i.e., too steep or rocky), the seed will be broadcast and the area raked or chained to cover the seed. If the seed mixture is broadcast, the rate will be doubled. EOG will use a seed mixture and application rate approved by the landowners.

Seeding will be done in compliance with EOG's approved reclamation plan.
Seeding shall be repeated until a satisfactory stand, as determined by the authorized officer, is obtained. The first evaluation of growth will be made following completion of the first growing season after seeding.

The average size of the pads after reclamation is approximately 1.39 to 2.00 acres (see the attached *Production Facility Layout*).

B. Final Reclamation:

Upon final abandonment of the well, EOG will submit a sundry notice describing the proposed reclamation plan for approval by the Authorized Officer.

Configuration of the re-shaped topography will be returned, as near as possible, to the original condition. Cut and fill slopes will be 3 to 1 or less. All topsoil will be re-stripped from interim reclamation and redistributed over the entire location. The entire location will be scarified 12" deep at 8" intervals. Water bars will be constructed at 8% grade.

The reclaimed locations and access roads will be re-seeded with the recommended

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seed mixture.

Monitoring will be conducted by a qualified Operator representative (in coordination with the BLM) following initial rehabilitation work. Monitoring areas will be re-examined at the end of the first growing season. Results will be documented in a report to the BLM. Problem areas identified during monitoring will receive follow-up rehabilitation/erosion control measures. The seeding shall be repeated until a satisfactory stand, as determined by the authorized officer, is obtained.

11. SURFACE OWNERSHIP:

Surface ownership of the proposed well sites, is as follows:

Bureau of Land Management

12. OTHER INFORMATION:

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.

Weeds will be controlled on disturbed areas within the exterior limits of the access road and well pad. The control methods shall be in accordance with guidelines established by the EPA, BLM, state, and local authorities. Approval will be obtained from the Authorized Officer prior to use of pesticides.

EOG will inform all persons in the area who are associated with this project that they may be 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. If the operator wishes, 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 may be required. Otherwise the operator will be responsible for mitigation costs. The Authorized Officer will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the Authorized Officer that required mitigation has been completed, the operator will then be allowed to resume construction.

A cultural resources survey was conducted and submitted by Montgomery Archaeological Consultants on 7/11/2007. A paleontological survey was conducted and submitted by Intermountain Paleo on 7/11/2007.

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LESSEE OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:

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

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.

The operator or his/her contractor shall contact the BLM office at (435) 781-4400 forty-eight (48) hours prior to construction activities.

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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 referenced wells, located in the SESE, of Section 23, T9S, R22E, Uintah County, Utah; Federal land and minerals; and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond Coverage is under Bond # NM 2308.

Date	Sr. Regulatory Specialist

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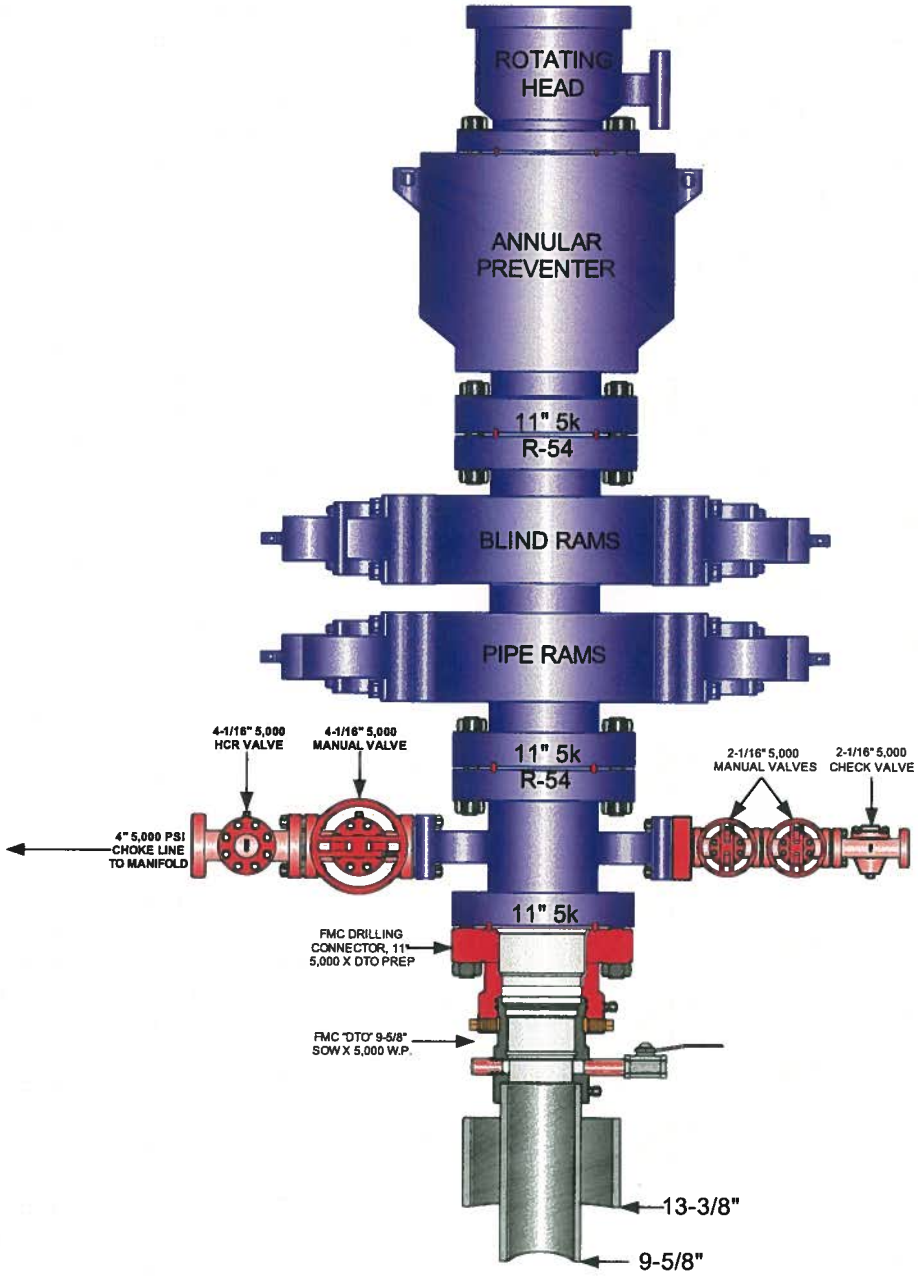
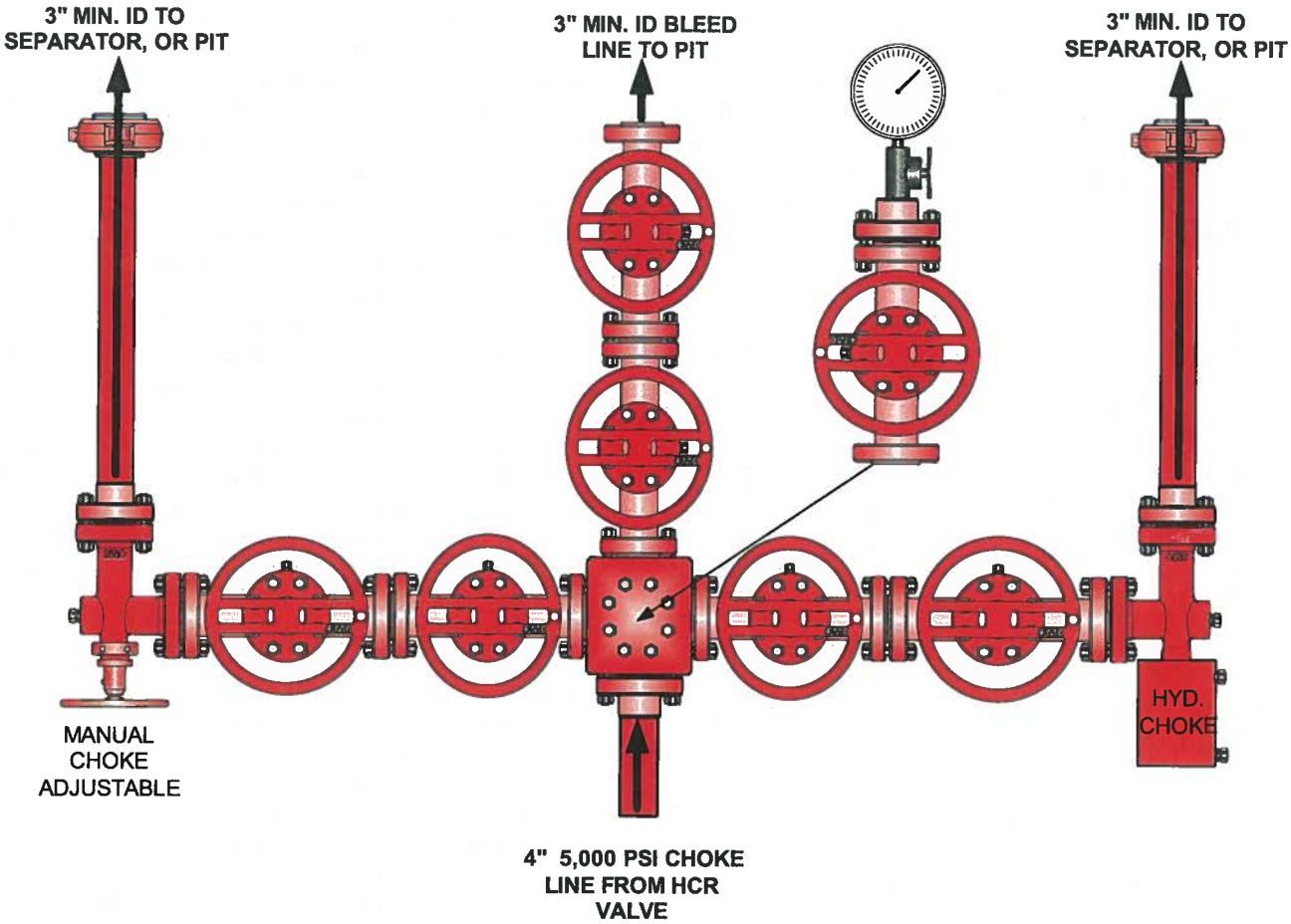
EOG RESOURCES 11" 5,000 PSI W.P. BOP CONFIGURATION



RECEIVED: Jul. 26, 2011

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.

CWU #1547-23D, #1551-23D, #1548-23D, #1549-23D & #1550-23D

LOCATED IN UINTAH COUNTY, UTAH
SECTION 23, T9S, R22E, S.L.B.&M.

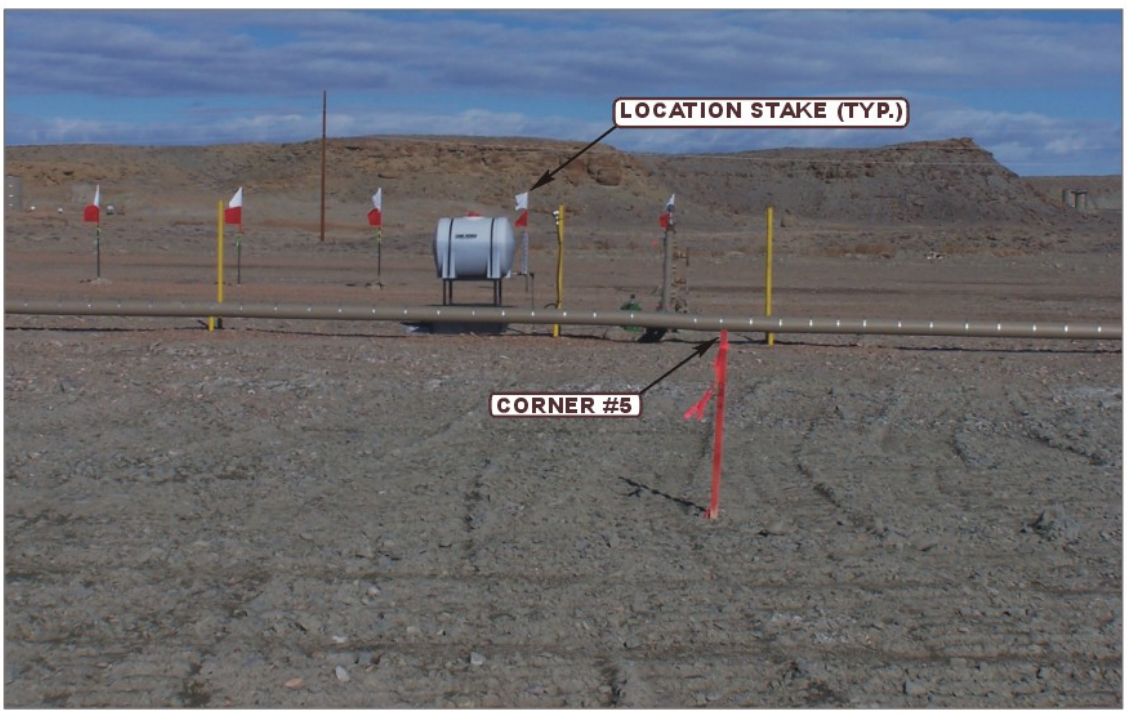


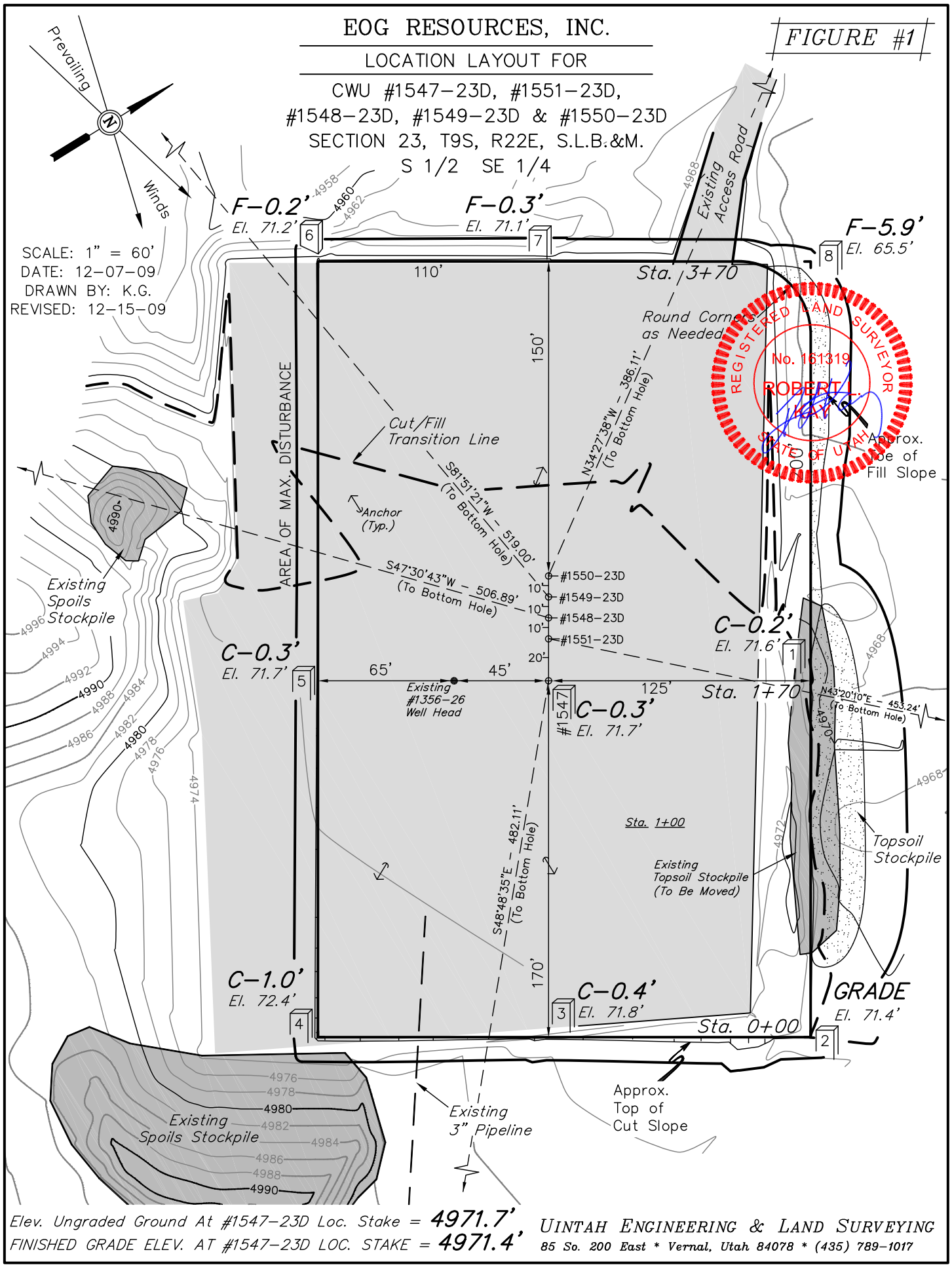
PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKES — CAMERA ANGLE: NORTHEASTERLY

PHOTO: VIEW OF EXISTING ACCESS — CAMERA ANGLE: SOUTHERLY

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com
- Since 1964 -

LOCATION PHOTOS	11 MONTH	24 DAY	09 YEAR	PHOTO
TAKEN BY: G.S.	DRAWN BY: J.L.G.	REVISED: 12-15-09		

RECEIVED: Jul. 26, 2011



RECEIVED: Jul. 26, 2011

1" = 40'
X-Section Scale
1" = 100'

DATE: 12-07-09
DRAWN BY: K.G.
REVISED: 12-15-09

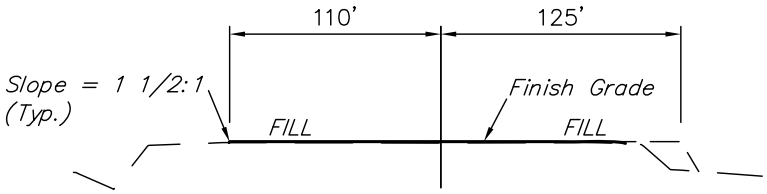
EOG RESOURCES, INC.

TYPICAL CROSS SECTION FOR

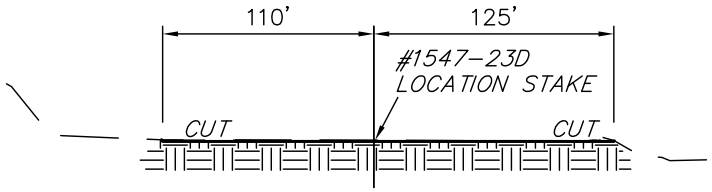
CWU #1547-23D, #1551-23D,
#1548-23D, #1549-23D & #1550-23D
SECTION 23, T9S, R22E, S.L.B.&M.
S 1/2 SE 1/4

FIGURE #2

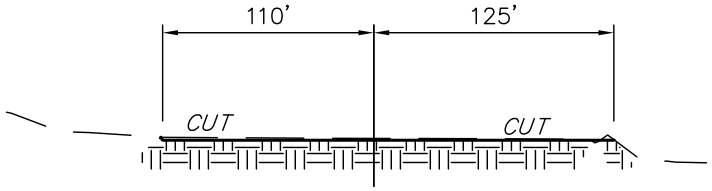
REGISTERED LAND SURVEYOR
No. 161319
ROBERT L. KAY
STATE OF UTAH



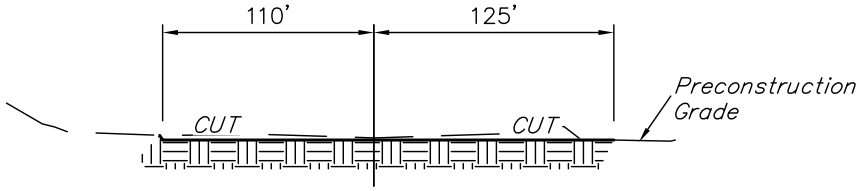
STA. 3+70



STA. 1+70



STA. 1+00



STA. 0+00

APPROXIMATE ACREAGES
WELL SITE DISTURBANCE = ± 2.469 ACRES

* NOTE:
FILL QUANTITY INCLUDES
5% FOR COMPACTION

APPROXIMATE YARDAGES

(6") Topsoil Stripping	=	180 Cu. Yds.
(New Construction Only)		
Remaining Location	=	710 Cu. Yds.
TOTAL CUT	=	890 CU.YDS.
FILL	=	710 CU.YDS.

EXCESS MATERIAL	=	180 Cu. Yds.
Topsoil	=	180 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	=	0 Cu. Yds.

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

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EOG RESOURCES, INC.

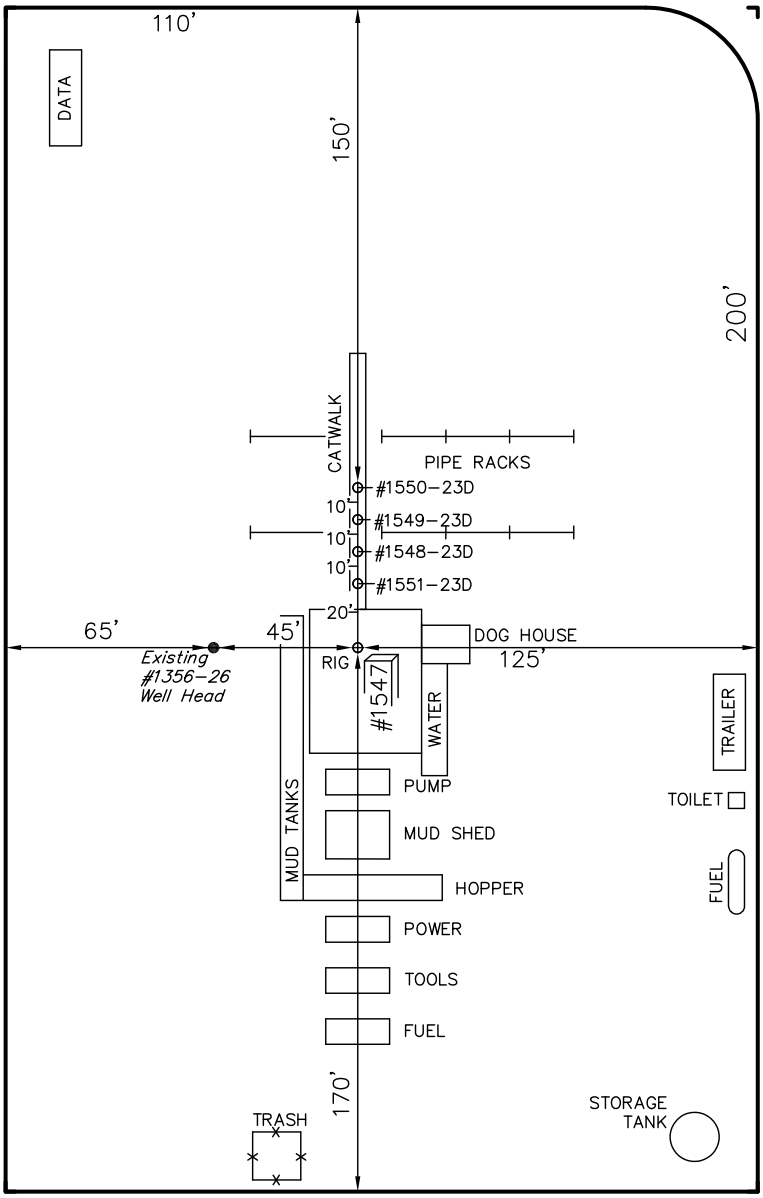
TYPICAL RIG LAYOUT FOR

CWU #1547–23D, #1551–23D,
#1548–23D, #1549–23D & #1550–23D
SECTION 23, T9S, R22E, S.L.B.&M.
S 1/2 SE 1/4

FIGURE #3

SCALE: 1" = 60'
DATE: 12–07–09
DRAWN BY: K.G.
REVISED: 12–15–09

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



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

RECEIVED: Jul. 26, 2011

EOG RESOURCES, INC.

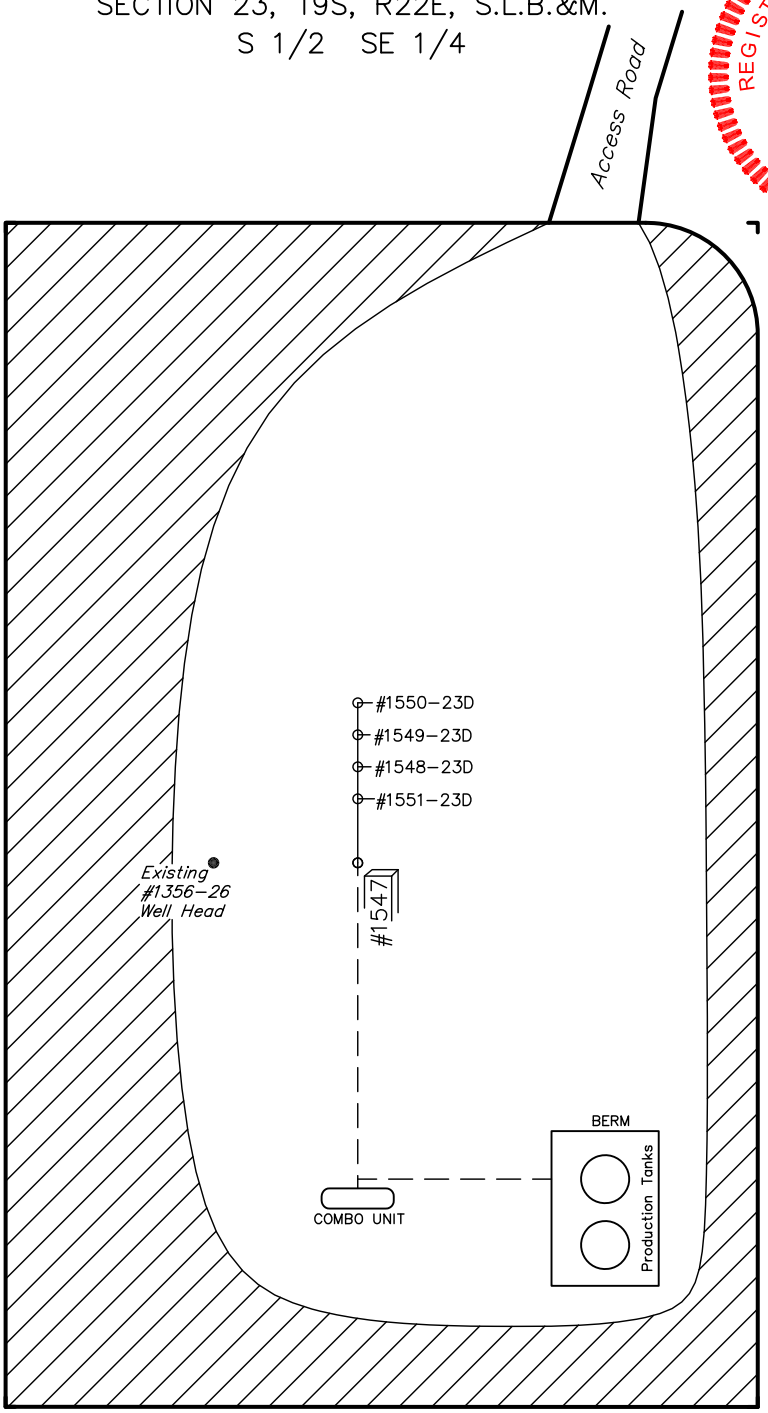
PRODUCTION FACILITY LAYOUT FOR

CWU #1547-23D, #1551-23D,
#1548-23D, #1549-23D & #1550-23D
SECTION 23, T9S, R22E, S.L.B.&M.
S 1/2 SE 1/4

FIGURE #4

SCALE: 1" = 60'
DATE: 12-07-09
DRAWN BY: K.G.
REVISED: 12-15-09

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



RE-HABBED AREA

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

RECEIVED: Jul. 26, 2011

EOG RESOURCES, INC.
CWU #1547-23D, #1551-23D, #1548-23D, #1549-23D & #1550-23D
SECTION 23, T9S, R22E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.3 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 12.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 1.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 1.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 1.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 0.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN RIGHT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE EXISTING CWU #1356-26 AND THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE EXISTING WELL LOCATION IS APPROXIMATELY 51.3 MILES.

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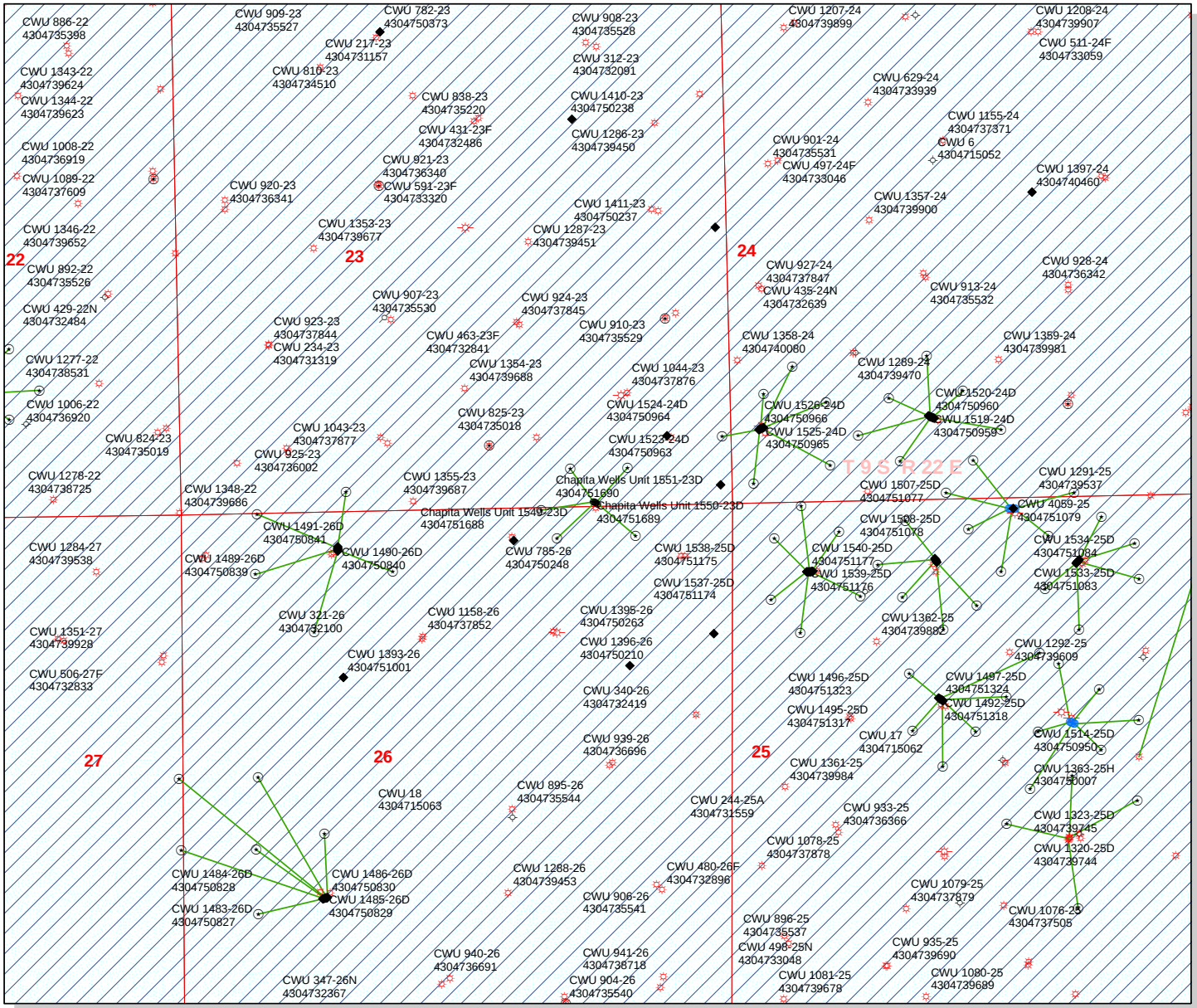
API Well Number: 43047516860000



API Number: 4304751686

Well Name: Chapita Wells Unit 1547-23D

Township T0.9 . Range R2.2 . Section 23

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
- Sections
- Township

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

1,250 625 0 1,250 Feet

1:12,000

RECEIVED: Jul. 26, 2011

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

July 21, 2011

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2011 Plan of Development Chapita Wells Unit
Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2011 within the Chapita Wells Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ MESA VERDE)		
43-047-51686	CWU 1547-23D	Sec 23 T09S R22E 0029 FSL 1288 FEL
		BHL Sec 26 T09S R22E 0289 FNL 0926 FEL
43-047-51687	CWU 1548-23D	Sec 23 T09S R22E 0045 FSL 1313 FEL
		BHL Sec 26 T09S R22E 0297 FNL 1688 FEL
43-047-51688	CWU 1549-23D	Sec 23 T09S R22E 0050 FSL 1322 FEL
		BHL Sec 26 T09S R22E 0023 FNL 1836 FEL
43-047-51689	CWU 1550-23D	Sec 23 T09S R22E 0055 FSL 1330 FEL
		BHL Sec 23 T09S R22E 0374 FSL 1548 FEL
43-047-51690	CWU 1551-23D	Sec 23 T09S R22E 0040 FSL 1305 FEL
		BHL Sec 23 T09S R22E 0369 FSL 0993 FEL

This office has no objection to permitting the wells at this time.

Michael L. Coulthard

Digitally signed by Michael L. Coulthard
DN: cn=Michael L. Coulthard, o=Bureau of Land Management, ou=Branch of Minerals, email=Michael_Coulthard@blm.gov, c=US
Date: 2011.07.21 11:35:59 -06'00'

bcc: File - Chapita Wells Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

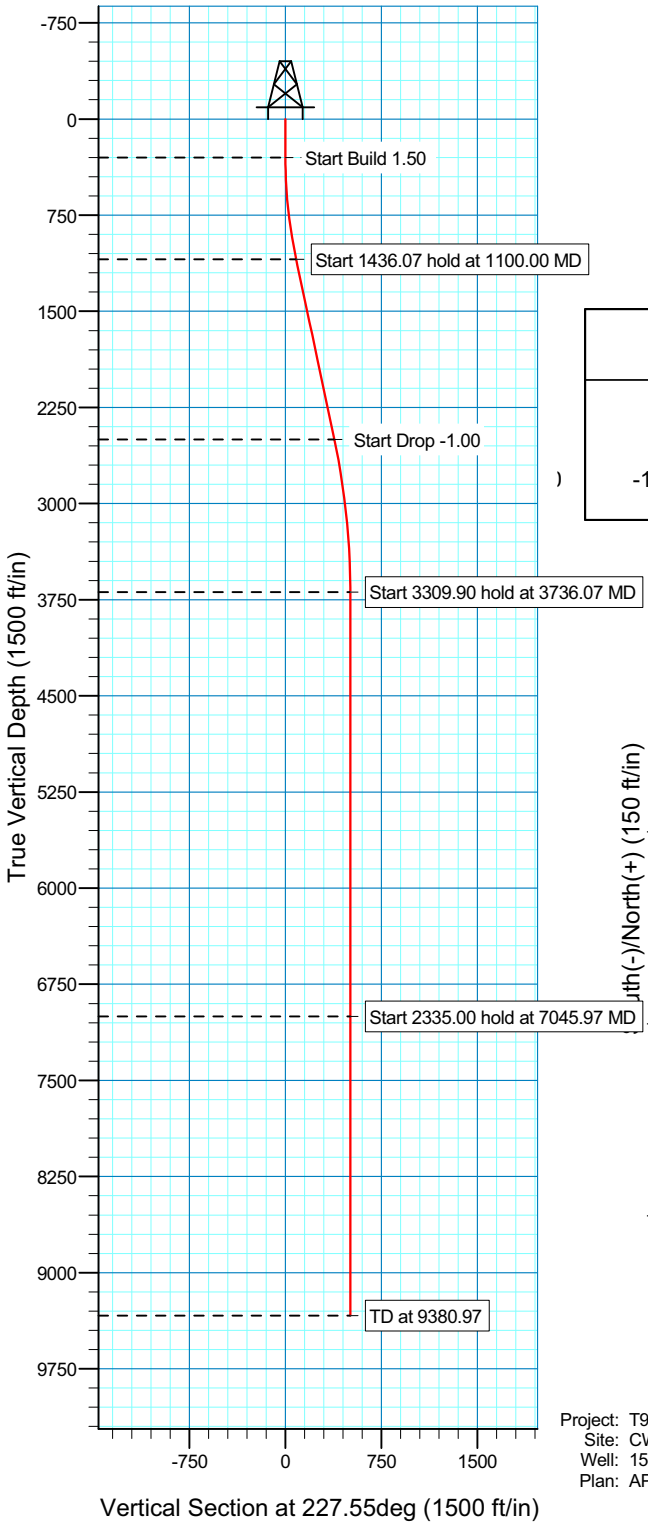
MCoulthard:mc:7-21-11

RECEIVED: Jul. 26, 2011

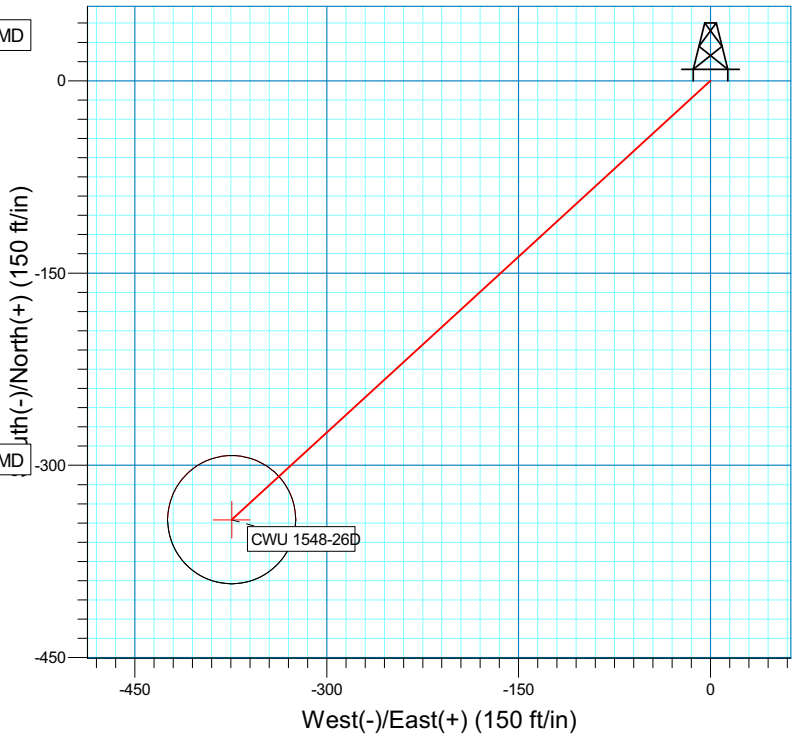
API Well Number: 43047516860000

CWU 1548-23D

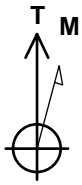
Section 23 T9S R22E
Uintah County, UT



Surface Location			
NAD 1927 (NADCON CONUS) Utah North 4301			
Ground Elevation: 4972.00 RIG @ 4991.00ft (True 34)			
Northing	Easting	Latittude	Longitude
-109104.08	2587793.10	40°0' 51.830 N	109°24' 6.350 W



Project: T9S-R22E Sec 23
Site: CWU 1547-1551 23D (Pad D4_CWU 1356-26_Set 14)
Well: 1548-23D
Plan: APD



Azimuths to True North
Magnetic North: 11.24°

Magnetic Field
Strength: 52550.1snT
Dip Angle: 65.95°
Date: 9/25/2009
Model: IGRF200510

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	
3	1100.00	12.00	227.55	1094.17	-56.34	-61.59	1.50	227.55	83.47	
4	2536.07	12.00	227.55	2498.85	-257.86	-281.90	0.00	0.00	382.05	
5	3736.07	0.00	0.00	3690.10	-342.37	-374.28	1.00	180.00	507.25	
6	7045.97	0.00	0.00	7000.00	-342.37	-374.28	0.00	0.00	507.25	CWU 1548-26D
7	9380.97	0.00	0.00	9335.00	-342.37	-374.28	0.00	0.00	507.25	

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
CWU 1548-26D	7000.00	-342.37	-374.28	-109455.39	2587427.19	40°0' 48.447 N	109°24' 11.159 W	Circle (Radius: 5 0.00)

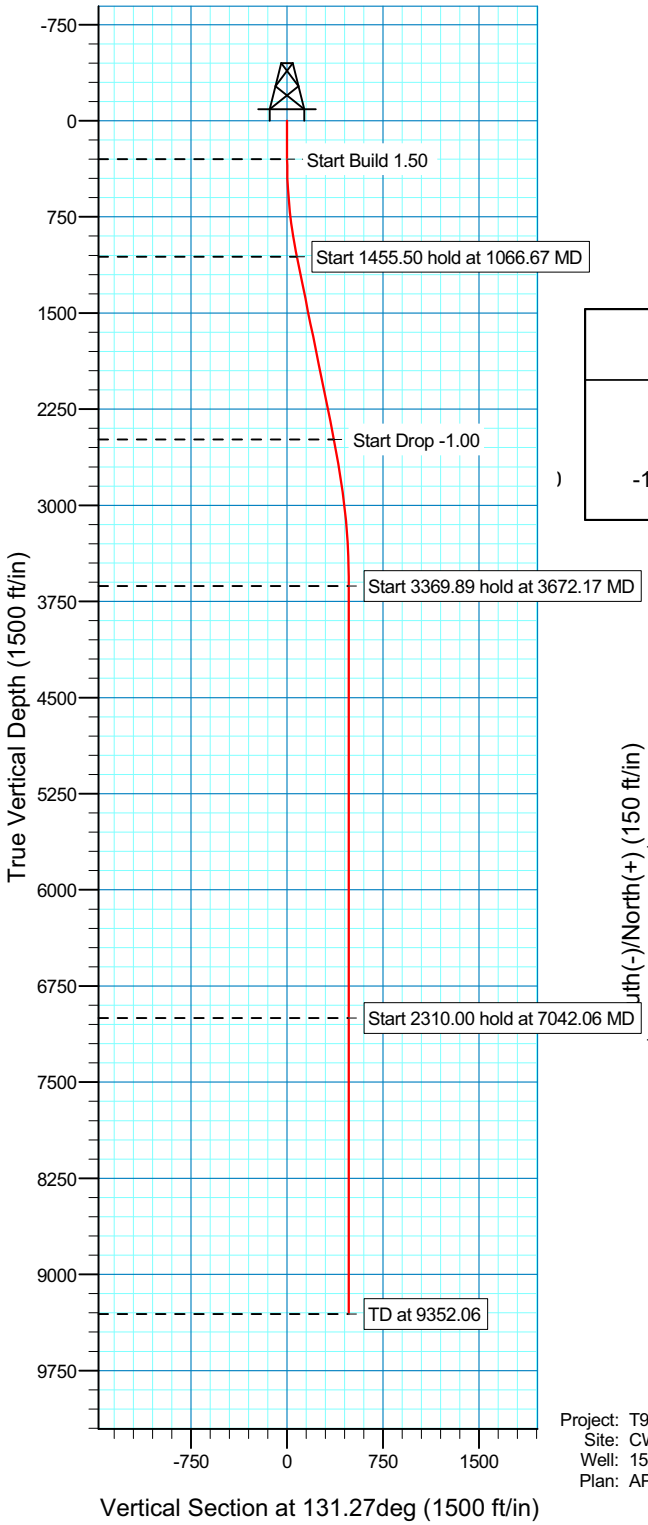
RECEIVED: Jul. 26, 2011

API Well Number: 43047516860000

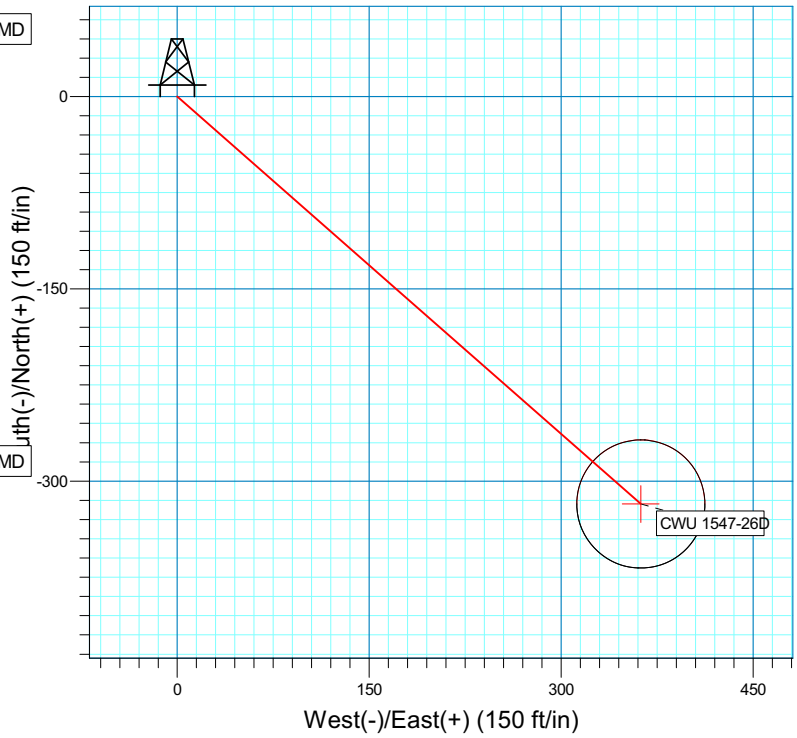
eog resources

CWU 1547-23D

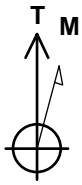
Section 23 T9S R22E
Uintah County, UT



Surface Location			
NAD 1927 (NADCON CONUS) Utah North 4301			
Ground Elevation: 4972.00 RIG @ 4991.00ft (True 34)			
Northing	Easting	Latittude	Longitude
-109119.65	2587819.16	40°0' 51.670 N	109°24' 6.020 W



Project: T9S-R22E Sec 23
Site: CWU 1547-1551 23D (Pad D4_CWU 1356-26_Set 14)
Well: 1547-23D
Plan: APD



Azimuths to True North
Magnetic North: 11.24°

Magnetic Field
Strength: 52550.1snT
Dip Angle: 65.95°
Date: 9/25/2009
Model: IGRF200510

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	
3	1066.67	11.50	131.27	1061.53	-50.58	57.64	1.50	131.27	76.68	
4	2522.17	11.50	131.27	2487.81	-241.97	275.75	0.00	0.00	366.86	
5	3672.17	0.00	0.00	3630.11	-317.83	362.21	1.00	180.00	481.89	
6	7042.06	0.00	0.00	7000.00	-317.83	362.21	0.00	0.00	481.89	CWU 1547-26D
7	9352.06	0.00	0.00	9310.00	-317.83	362.21	0.00	0.00	481.89	

TARGET DETAILS

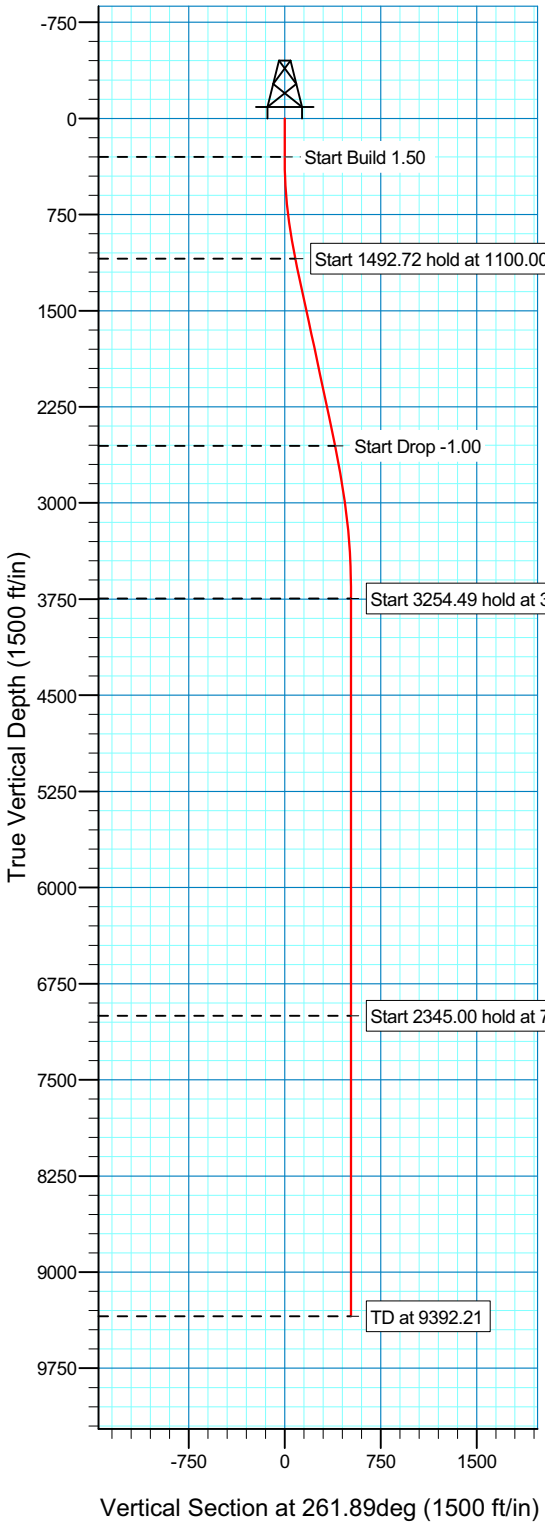
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
CWU 1547-26D	7000.00	-317.83	362.21	-109428.65	2588188.94	40°0' 48.529 N	109°24' 1.366 W	Circle (Radius: 50. 00)

RECEIVED: Jul. 26, 2011

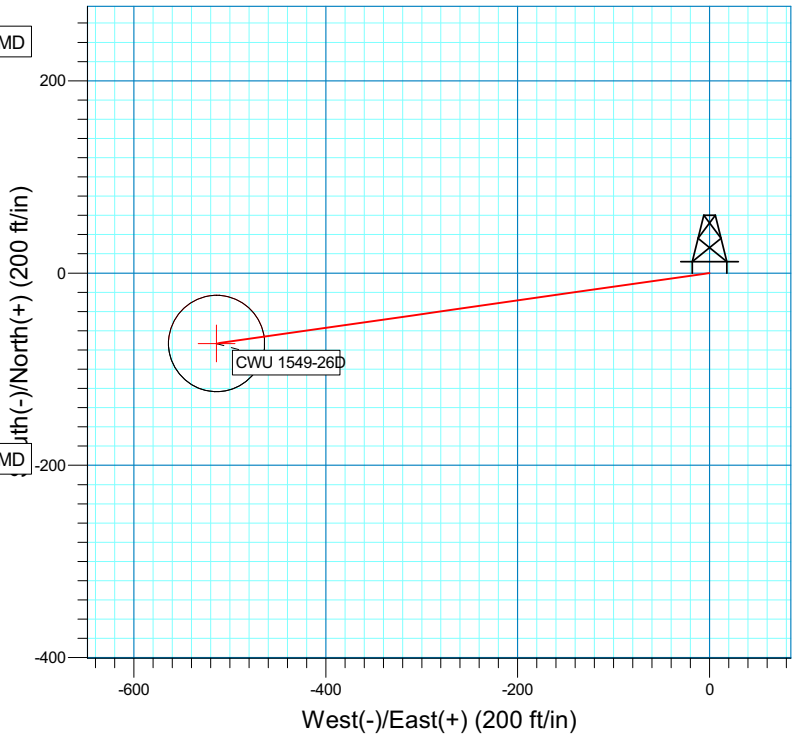
API Well Number: 43047516860000

CWU 1549-23D

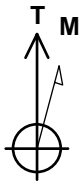
Section 23 T9S R22E
Uintah County, UT



Surface Location			
NAD 1927 (NADCON CONUS) Utah North 4301			
Ground Elevation: 4972.00 RIG @ 4991.00ft (True 34)			
Northing	Easting	Latittude	Longitude
-109099.23	2587784.42	40°0' 51.880 N	109°24' 6.460 W



Project: T9S-R22E Sec 23
Site: CWU 1547-1551 23D (Pad D4_CWU 1356-26_Set 14)
Well: 1549-23D
Plan: APD



Azimuths to True North
Magnetic North: 11.24°

Magnetic Field
Strength: 52550.1snT
Dip Angle: 65.95°
Date: 9/25/2009
Model: IGRF200510

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	
3	1100.00	12.00	261.89	1094.17	-11.78	-82.64	1.50	261.89	83.47	
4	2592.72	12.00	261.89	2554.27	-55.56	-389.89	0.00	0.00	393.82	
5	3792.72	0.00	0.00	3745.51	-73.22	-513.84	1.00	180.00	519.03	
6	7047.21	0.00	0.00	7000.00	-73.22	-513.84	0.00	0.00	519.03	CWU 1549-26D
7	9392.21	0.00	0.00	9345.00	-73.22	-513.84	0.00	0.00	519.03	

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
CWU 1549-26D	7000.00	-73.22	-513.84	-109184.83	2587272.49	40°0' 51.156 N	109°24' 13.063 W	Circle (Radius: 50 .00)

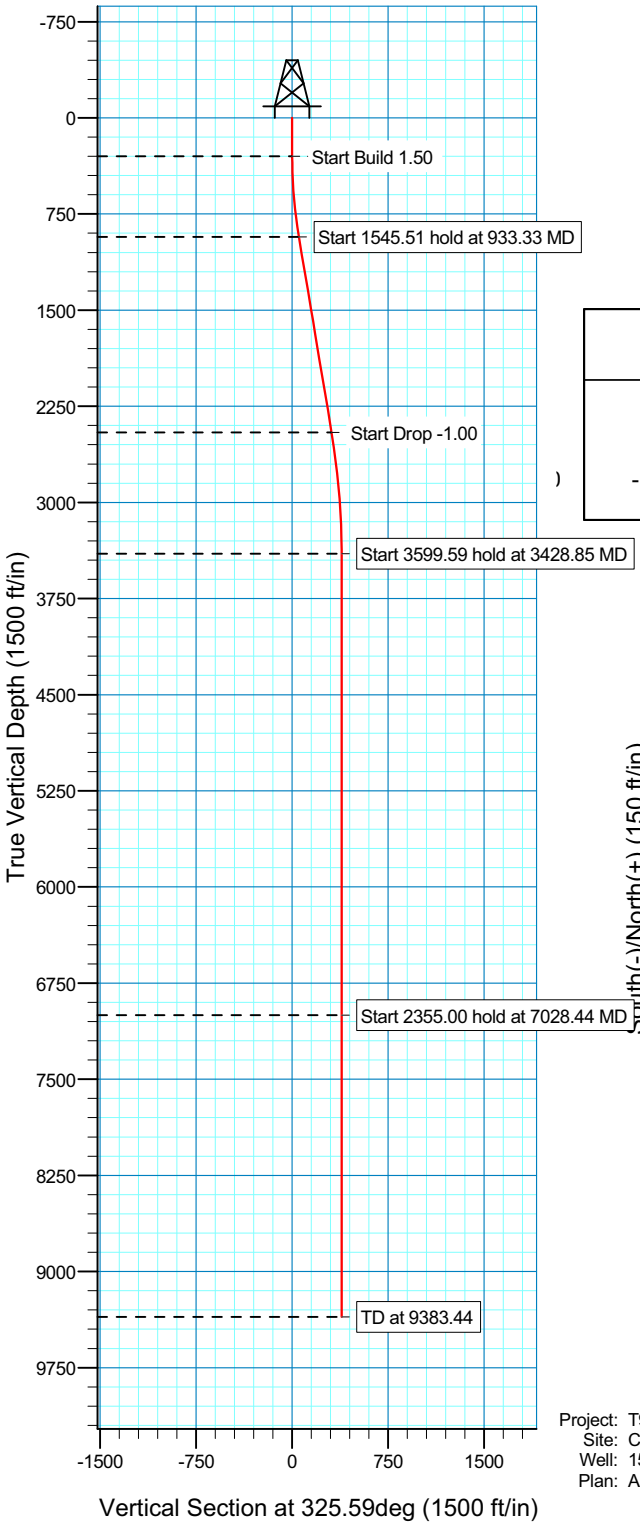
RECEIVED: Jul. 26, 2011

API Well Number: 43047516860000

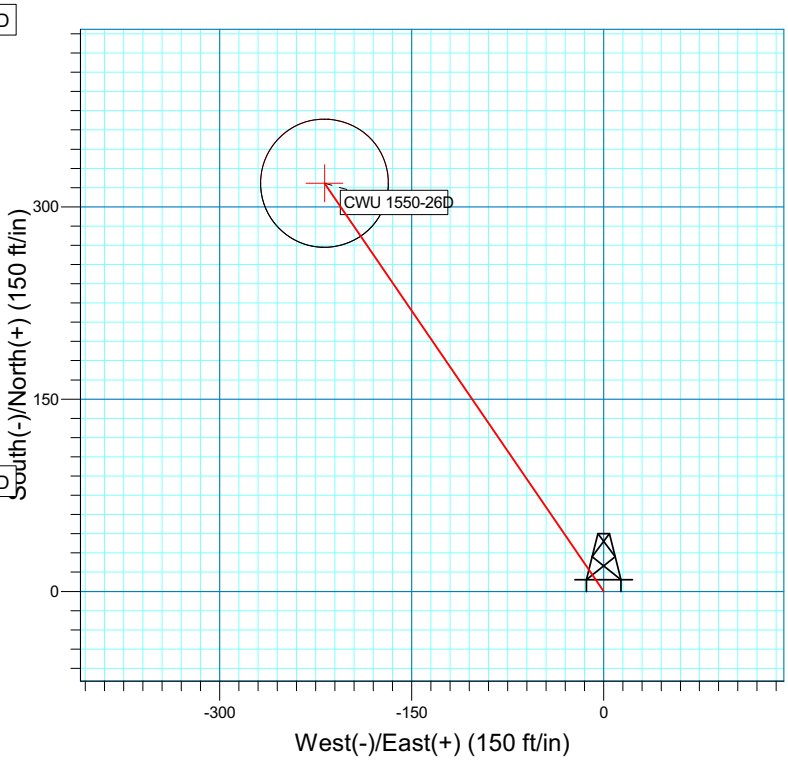
eog resources

CWU 1550-23D

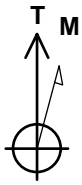
Section 23 T9S R22E
Uintah County, UT



Surface Location			
NAD 1927 (NADCON CONUS)		Utah North 4301	
Ground Elevation: 4972.00		RIG @ 4991.00ft (True 34)	
Northing	Easting	Latittude	Longitude
-109094.38	2587775.73	40°0' 51.930 N	109°24' 6.570 W



Project: T9S-R22E Sec 23
Site: CWU 1547-1551 23D (Pad D4_CWU 1356-26_Set 14)
Well: 1550-23D
Plan: APD



Azimuths to True North
Magnetic North: 11.24°

Magnetic Field
Strength: 52550.1snT
Dip Angle: 65.95°
Date: 9/25/2009
Model: IGRF200510

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	
3	933.33	9.50	325.59	930.44	43.22	-29.60	1.50	325.59	52.39	
4	2478.85	9.50	325.59	2454.75	253.66	-173.76	0.00	0.00	307.47	
5	3428.85	0.00	0.00	3400.41	318.49	-218.16	1.00	180.00	386.05	
6	7028.44	0.00	0.00	7000.00	318.49	-218.16	0.00	0.00	386.05	CWU 1550-26D
7	9383.44	0.00	0.00	9355.00	318.49	-218.16	0.00	0.00	386.05	

TARGET DETAILS

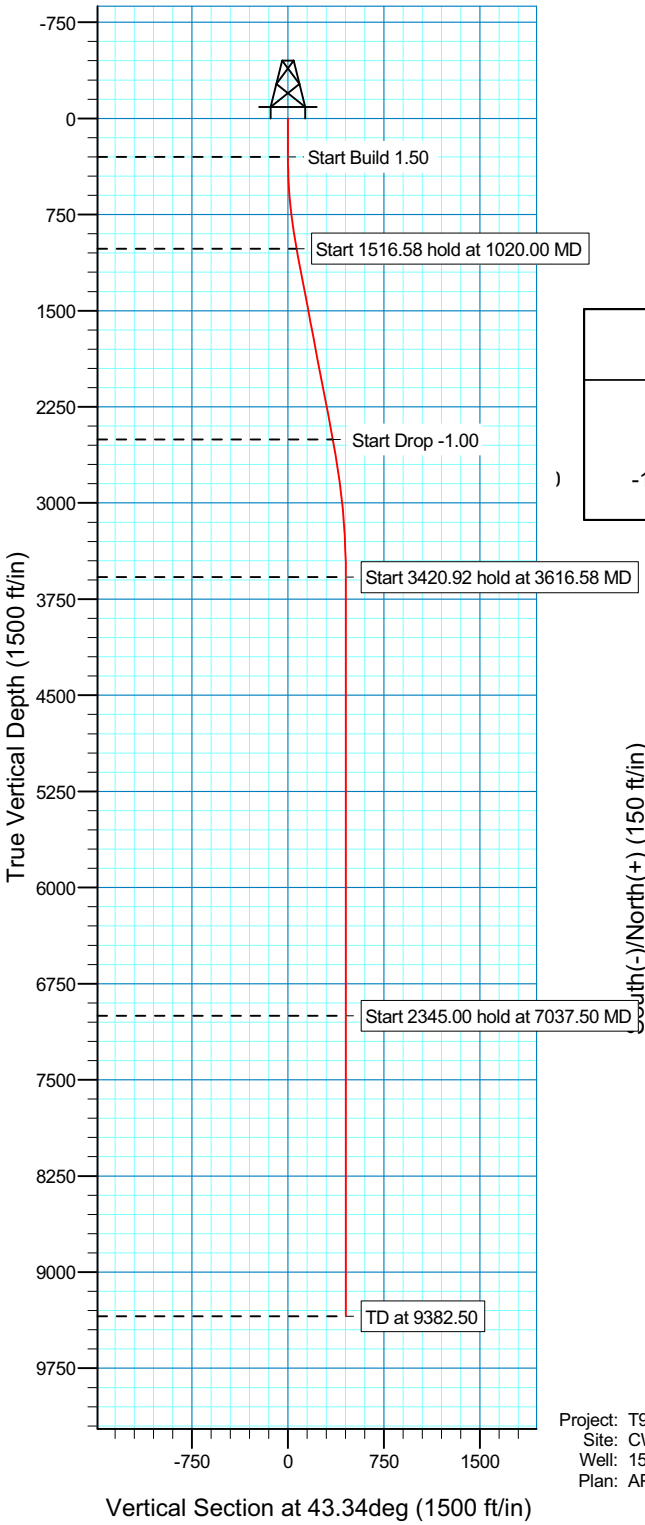
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
CWU 1550-26D	7000.00	318.49	-218.16	-108781.25	2587549.95	40°0' 55.077 N	109°24' 9.373 W	Circle (Radius: 50. 00)

RECEIVED: Jul. 26, 2011

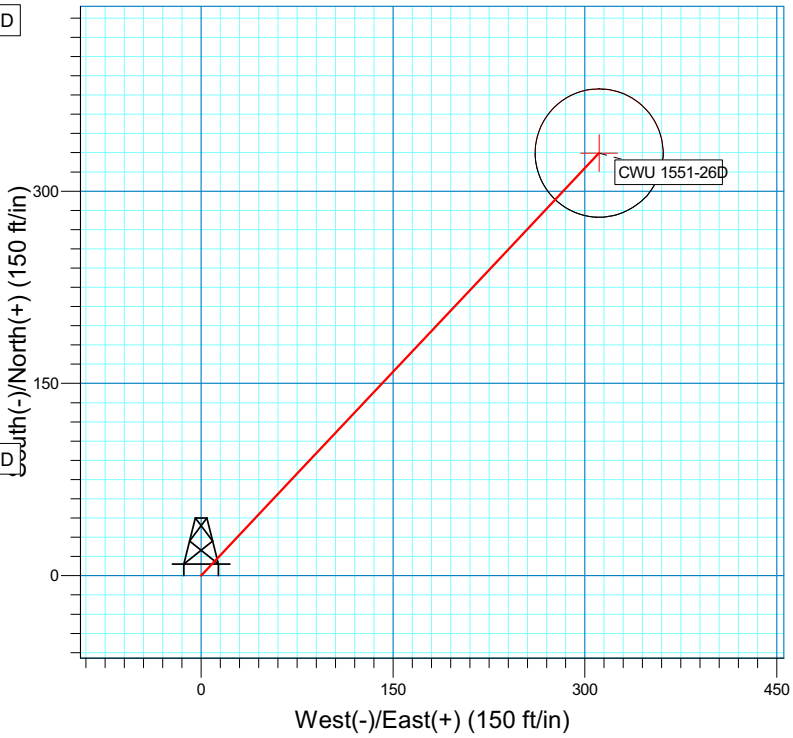
API Well Number: 43047516860000

CWU 1551-23D

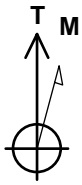
Section 23 T9S R22E
Uintah County, UT



Surface Location			
NAD 1927 (NADCON CONUS) Utah North 4301			
Ground Elevation: 4972.00 RIG @ 4991.00ft (True 34)			
Northing	Easting	Latitude	Longitude
-109109.95	2587801.80	40°0' 51.770 N	109°24' 6.240 W



Project: T9S-R22E Sec 23
Site: CWU 1547-1551 23D (Pad D4_CWU 1356-26_Set 14)
Well: 1551-23D
Plan: APD



Azimuths to True North
Magnetic North: 11.24°

Magnetic Field
Strength: 52550.1snT
Dip Angle: 65.95°
Date: 9/25/2009
Model: IGRF200510

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	
3	1020.00	10.80	43.34	1015.75	49.21	46.44	1.50	43.34	67.66	
4	2536.58	10.80	43.34	2505.46	255.89	241.47	0.00	0.00	351.84	
5	3616.58	0.00	0.00	3579.08	329.70	311.13	1.00	180.00	453.32	
6	7037.50	0.00	0.00	7000.00	329.70	311.13	0.00	0.00	453.32	CWU 1551-26D
7	9382.50	0.00	0.00	9345.00	329.70	311.13	0.00	0.00	453.32	

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
CWU 1551-26D	7000.00	329.70	311.13	-108772.84	2588104.88	40°0' 55.027 N	109°24' 2.242 W	Circle (Radius: 50.0 0)

RECEIVED: Jul. 26, 2011

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 6/22/2011
API NO. ASSIGNED: 43047516860000
WELL NAME: Chapita Wells Unit 1547-23D
OPERATOR: EOG Resources, Inc. (N9550)
PHONE NUMBER: 435 781-9145
CONTACT: Mickenzie Gates

PROPOSED LOCATION: SESE 23 090S 220E
Permit Tech Review: ✔

SURFACE: 0029 FSL 1288 FEL
Engineering Review: ☐

BOTTOM: 0289 FNL 0926 FEL
Geology Review: ✔

COUNTY: UINTAH
LATITUDE: 40.01437
LONGITUDE: -109.40160
UTM SURF EASTINGS: 636417.00
NORTHINGS: 4430366.00
FIELD NAME: NATURAL BUTTES
LEASE TYPE: 1 - Federal
LEASE NUMBER: UTU0285A
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**

Commingling Approved

LOCATION AND SITING:

- ☐ **R649-2-3.**

Unit: CHAPITA WELLS

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

Board Cause No: Cause 179-08
Effective Date: 8/10/1999
Siting: Suspends General Siting

- ✔ **R649-3-11. Directional Drill**

Comments: Presite Completed

Stipulations:
4 - Federal Approval - dmason
15 - Directional - dmason
17 - Oil Shale 190-5(b) - dmason

RECEIVED: Jul. 26, 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: Chapita Wells Unit 1547-23D
API Well Number: 43047516860000
Lease Number: UTU0285A
Surface Owner: FEDERAL
Approval Date: 7/26/2011

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 179-08. 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.

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

In accordance with the Order in Cause No. 190-5(b) dated October 28, 1982, the operator shall comply with the requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operators shall ensure that the surface and or production casing is properly cemented over the entire oil shale section as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the division.

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

FORM 9

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

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU0285A

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: CHAPITA WELLS

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: CWU 1547-23D

2. NAME OF OPERATOR: EOG Resources, Inc.

9. API NUMBER: 43047516860000

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: 0029 FSL 1288 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 23 Township: 09.0S Range: 22.0E 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: 6/19/2012
- ☐ 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: June 21, 2012

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Vail Nazzaro	303 824-5590	Sr. Regulatory Assistant

SIGNATURE	DATE
N/A	6/19/2012

RECEIVED: Jun. 19, 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 43047516860000

API: 43047516860000
Well Name: CWU 1547-23D
Location: 0029 FSL 1288 FEL QTR SESE SEC 23 TWNP 090S RNG 220E MER S
Company Permit Issued to: EOG RESOURCES, INC.
Date Original Permit Issued: 7/26/2011

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: Vail Nazzaro **Date:** 6/19/2012
Title: Sr. Regulatory Assistant **Representing:** EOG RESOURCES, INC.

RECEIVED: Jun. 19, 2012

RECEIVED

JUN 22 2011

BLM, Vernal Utah

Form 3160-3
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires July 31, 2010

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No. UTU0285A

6. If Indian, Allotee or Tribe Name

1a. Type of work: ☑ DRILL ☐ REENTER

7. If Unit or CA Agreement, Name and No. CHAPITA WELLS UNIT

1b. Type of Well: ☐ Oil Well ☑ Gas Well ☐ Other ☑ Single Zone ☐ Multiple Zone

8. Lease Name and Well No. CHAPITA WELLS UNIT 1547-23D

2. Name of Operator EOG Resources, Inc.

9. API Well No. 43-047-51686

3a. Address 1060 East Highway 40, Vernal UT 84078

3b. Phone No. (include area code) 435-781-9111

10. Field and Pool, or Exploratory NATURAL BUTTES

4. Location of Well (Report location clearly and in accordance with any State requirements.*)
At surface Section 23 (SESE) 29 FSL, 1288 FEL 40.014319 LAT, 109.402356 LON
At proposed prod. zone (NENE) 289 FNL, 926 FEL

11. Sec., T. R. M. or Blk. and Survey or Area SEC ~~26~~ 23, T9S, R22E, S.L.B.&M.

14. Distance in miles and direction from nearest town or post office* 51.3 MILES FROM VERNAL

12. County or Parish UINTAH

13. State UT

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 289

16. No. of acres in lease 1800

17. Spacing Unit dedicated to this well

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 430

19. Proposed Depth 9310 TVD, 9352 MD

20. BLM/BIA Bond No. on file NM2308

21. Elevations (Show whether DF, KDB, RT, GL, etc.) 4972 NAT GL

22. Approximate date work will start*

23. Estimated duration 45 DAYS

RECEIVED
JAN 31 2013
DIV. OF OIL, GAS & MINING

24. Attachments

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

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

25. Signature	Name (Printed/Typed)	Date
Kaylene R. Gardner	Kaylene R. Gardner	06/16/2011
Title: Sr. Regulatory Specialist		
Approved by (Signature)	Name (Printed/Typed) Jerry Kenczka	Date JAN 15 2013
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

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

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

(Continued on page 2)

*(Instructions on page 2)

NOS APD Posted 6/24/2011

NOTICE OF APPROVAL
CONDITIONS OF APPROVAL ATTACHED

AFMSS# UTM01759

UDOGM

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE
170 South 500 East VERNAL, UT 84078 (435) 781-440

CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	**EOG Resources, Inc.**	**Location:**	**SESE, Sec. 26, T9S, R22E**
Well No:	**Chapita Wells Unit 1547-23D**	**Lease No:**	**UTU-0285A**
API No:	**43-047-51686**	**Agreement:**	**Chapita Wells Unit**

OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

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

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

NOTIFICATION REQUIREMENTS

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

SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)

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

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

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

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

General Conditions of Approval

- EOG will adhere to all applicant committed conservation measures and conservation recommendations that are stated in the Chapita Wells-Stagecoach area Natural Gas Development Environmental Impact Statement (EIS), EIS No. UT-080-2005-0010

- The operator will follow the Green River District Reclamation Guidelines for Reclamation.

- Surface pipelines will be placed 5-10 feet outside borrow area.

- Monitor the <u>initial</u> ground disturbing construction of the well pad by a qualified permitted paleontologist and thereafter <u>spot-monitor</u> the location during the remainder of the construction process. Report all mitigation-curation of vertebrates and other scientifically significant fossils that may be affected by the construction.

Mitigation for Invasive Weeds

- All vehicles and equipment will be cleaned either through power-washing, or another approved method, if the vehicles or equipment were previously operated outside the Uinta Basin, to prevent weed seed introduction.

- All disturbance areas will be monitored for noxious weeds annually, for a minimum of three growing seasons following completion of project or until desirable vegetation is established

- Noxious and invasive weeds will be controlled throughout the area of project disturbance.

- Noxious weeds would be inventoried and reported to BLM in the annual reclamation report. Where an integrated pest management program is applicable, coordination has been undertaken with the state and local management program (if existing). A copy of the pest management plan would be submitted for each project.

- A pesticide use permit (PUP) will be obtained for the project, if applicable.

Mitigation for Air Quality

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

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

- The following would be used as standard operating procedures: Green completion or controlled VOC emissions methods with 90% efficiency for Oil or Gas Atmospheric Storage Tanks, VOC Venting controls or flaring, Glycol Dehydration and Amine Unites, Well Completion, Re-Completion, Venting, and Planned Blowdown Emissions.
  All internal combustion equipment will be kept in good working order.
  Water or other approved dust suppressants will be used at construction sites and along roads, as determined appropriate by the Authorized Officer. Dust suppressant such as magnesium chloride or fresh water may be used, as needed, during the drilling phase to control fugitive dust from truck traffic.
  Open burning of garbage or refuse would not occur at well sites or other facilities.
  Drill rigs would be equipped with Tier II or better diesel engines
  Low bleed pneumatics will be installed on separator dump valves and other controllers. The use of low bleed pneumatics would result in a lower emission of VOCs.
  During completion, flaring will be limited as much as possible. Production equipment and gathering lines would be installed as soon as possible.
  Telemetry will be installed to remotely monitor and control production. This will reduce truck traffic and decrease associated dust and tailpipe emissions.
  Signs will be installed on the access road, reducing speed to 25 MPH, during the drilling phase to decrease fugitive dust from truck traffic.

DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)

SITE SPECIFIC DOWNHOLE COAs:

- Cement for the surface casing shall be circulated to surface and/or topped off.
- Gamma ray Log shall be run from Total Depth to Surface.
- Cement for the production casing must be brought to at least 200' above the surface casing shoe.

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

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB

or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

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

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

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

- **Please submit an electronic copy of all other logs run on this well in LAS format to BLM_UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**

- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.

- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at www.ONRR.gov.

- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.

- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:

    - Operator name, address, and telephone number.

    - Well name and number.

    - Well location (¼¼, Sec., Twn, Rng, and P.M.).

    - Date well was placed in a producing status (date of first production for which royalty will be paid).

    - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).

    - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.

    - Unit agreement and/or participating area name and number, if applicable.

    - Communitization agreement number, if applicable.

- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.

- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of

the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.

- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.

- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.

- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.

- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.

- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in

hole, and the current status of the surface restoration.

FORM 9

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

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU0285A

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: CHAPITA WELLS

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: CWU 1547-23D

2. NAME OF OPERATOR: EOG Resources, Inc.

9. API NUMBER: 43047516860000

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: 0029 FSL 1288 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 23 Township: 09.0S Range: 22.0E 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: 7/11/2013
- ☐ 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: July 15, 2013

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Vail Nazzaro	303 824-5590	Sr. Regulatory Assistant

SIGNATURE	DATE
N/A	7/11/2013

RECEIVED: Jul. 11, 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 43047516860000

API: 43047516860000
Well Name: CWU 1547-23D
Location: 0029 FSL 1288 FEL QTR SESE SEC 23 TWNP 090S RNG 220E MER S
Company Permit Issued to: EOG RESOURCES, INC.
Date Original Permit Issued: 7/26/2011

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: Vail Nazzaro **Date:** 7/11/2013
Title: Sr. Regulatory Assistant **Representing:** EOG RESOURCES, INC.

RECEIVED: Jul. 11, 2013

FORM 9

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

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU0285A

SUNDRY NOTICES AND REPORTS ON WELLS

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6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: CHAPITA WELLS

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: CWU 1547-23D

2. NAME OF OPERATOR: EOG RESOURCES, INC.

9. API NUMBER: 43047516860000

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: 0029 FSL 1288 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 23 Township: 09.0S Range: 22.0E 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: 7/15/2014
- ☐ 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: July 17, 2014
By:

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

SIGNATURE	DATE
N/A	7/15/2014

RECEIVED: Jul. 15, 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 43047516860000

API: 43047516860000
Well Name: CWU 1547-23D
Location: 0029 FSL 1288 FEL QTR SESE SEC 23 TWNP 090S RNG 220E MER S
Company Permit Issued to: EOG RESOURCES, INC.
Date Original Permit Issued: 7/26/2011

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:** 7/15/2014
Title: Sr. Regulatory Assistant **Representing:** EOG RESOURCES, INC.

RECEIVED: Jul. 15, 2014

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU0285A

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7.UNIT or CA AGREEMENT NAME: CHAPITA WELLS

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: CWU 1547-23D

2. NAME OF OPERATOR: EOG RESOURCES, INC.

9. API NUMBER: 43047516860000

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: 0029 FSL 1288 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 23 Township: 09.0S Range: 22.0E 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: 7/21/2105
- ☐ 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: July 27, 2015
By: [signature]

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

SIGNATURE	DATE
N/A	7/21/2015

RECEIVED: Jul. 21, 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 43047516860000

API: 43047516860000
Well Name: CWU 1547-23D
Location: 0029 FSL 1288 FEL QTR SESE SEC 23 TWNP 090S RNG 220E MER S
Company Permit Issued to: EOG RESOURCES, INC.
Date Original Permit Issued: 7/26/2011

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:** 7/21/2015
Title: Regulatory Administrator **Representing:** EOG RESOURCES, INC.

RECEIVED: Jul. 21, 2015

FORM 9

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

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU0285A

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: CHAPITA WELLS

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: CWU 1547-23D

2. NAME OF OPERATOR: EOG RESOURCES, INC.

9. API NUMBER: 43047516860000

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: 0029 FSL 1288 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 23 Township: 09.0S Range: 22.0E 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: 7/14/2016
- ☐ 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: July 14, 2016
By:

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

SIGNATURE	DATE
N/A	7/14/2016

RECEIVED: Jul. 14, 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 43047516860000

API: 43047516860000
Well Name: CWU 1547-23D
Location: 0029 FSL 1288 FEL QTR SESE SEC 23 TWNP 090S RNG 220E MER S
Company Permit Issued to: EOG RESOURCES, INC.
Date Original Permit Issued: 7/26/2011

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:** 7/14/2016
Title: Assistant Regulatory **Representing:** EOG RESOURCES, INC.

RECEIVED: Jul. 14, 2016