FORM 3

AMENDED REPORT ☐

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

APPLICATION FOR PERMIT TO DRILL		**1. WELL NAME and NUMBER** COYOTE WASH 8-24-44-33
2. TYPE OF WORK DRILL NEW WELL ◉ REENTER P&A WELL ○ DEEPEN WELL ○		**3. FIELD OR WILDCAT** NORTH BONANZA
4. TYPE OF WELL Gas Well Coalbed Methane Well: NO		**5. UNIT or COMMUNITIZATION AGREEMENT NAME**
6. NAME OF OPERATOR Enduring Resources, LLC		**7. OPERATOR PHONE** 303 350-5114
8. ADDRESS OF OPERATOR 475 17th Street, Suite 1500, Denver, CO, 80202		**9. OPERATOR E-MAIL** aarlian@enduringresources.com
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU-58725	**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	686 FSL 477 FEL	SESE	33	8.0 S	24.0 E	S
Top of Uppermost Producing Zone	686 FSL 477 FEL	SESE	33	8.0 S	24.0 E	S
At Total Depth	686 FSL 477 FEL	SESE	33	8.0 S	24.0 E	S

21. COUNTY UINTAH	**22. DISTANCE TO NEAREST LEASE LINE (Feet)** 477	**23. NUMBER OF ACRES IN DRILLING UNIT** 640
	25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1000	**26. PROPOSED DEPTH** MD: 13460 TVD: 13460
27. ELEVATION - GROUND LEVEL 5277	**28. BOND NUMBER** UTB000173	**29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE** 49-222

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORCANCE 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 Alvin Arlian	**TITLE** Landman-Regulatory	**PHONE** 303 350-5114
SIGNATURE	**DATE** 12/30/2008	**EMAIL** aarlian@enduringresources.com

API NUMBER ASSIGNED 43047501970000	**APPROVAL**  Permit Manager

Proposed Hole, Casing, and Cement						
String	**Hole Size**	**Casing Size**	**Top (MD)**	**Bottom (MD)**		
Cond	20	14	0	40		
Pipe	**Grade**	**Length**	**Weight**			
	Grade J-55 ST&C	40	36.0			
	Cement Interval	**Top (MD)**	**Bottom (MD)**			
		0	40			
		Cement Description	**Class**	**Sacks**	**Yield**	**Weight**
			Class G Cement	100	1.15	15.8

Proposed Hole, Casing, and Cement						
String	**Hole Size**	**Casing Size**	**Top (MD)**	**Bottom (MD)**		
Surf	12.25	9.625	0	2000		
Pipe	**Grade**	**Length**	**Weight**			
	Grade J-55 ST&C	2000	36.0			
	Cement Interval	**Top (MD)**	**Bottom (MD)**			
		0	2000			
		Cement Description	**Class**	**Sacks**	**Yield**	**Weight**
			Premium AG300	250	3.8	11.0

Proposed Hole, Casing, and Cement						
String	**Hole Size**	**Casing Size**	**Top (MD)**	**Bottom (MD)**		
I1	8.5	7	0	9000		
Pipe	**Grade**	**Length**	**Weight**			
	Grade P-110 LT&C	9000	26.0			
	Cement Interval	**Top (MD)**	**Bottom (MD)**			
		0	9000			
		Cement Description	**Class**	**Sacks**	**Yield**	**Weight**
			Premium Foamed Cement	723	1.75	12.0
			Halliburton Premium Cement, Type Unknown	76	1.47	76.0

Proposed Hole, Casing, and Cement						
String	**Hole Size**	**Casing Size**	**Top (MD)**	**Bottom (MD)**		
Prod	6.125	4.5	0	13460		
Pipe	**Grade**	**Length**	**Weight**			
	Grade P-110 LT&C	13460	13.5			
	Cement Interval	**Top (MD)**	**Bottom (MD)**			
		0	13460			
		Cement Description	**Class**	**Sacks**	**Yield**	**Weight**
			Premium Plus	594	1.695	15.1

Enduring Resources, LLC
Coyote Wash 8-24-44-33
SE/4SE/4 Sec. 33-8S-24E
Uintah County, Utah
Federal Lease: UTU-58725

ONSHORE ORDER 1 - DRILLING PLAN

1. **Estimated Tops of Geological Markers:**

Formation	Depth (K.B.)
Uinta	Surface
Green River	732
Wasatch	4022
Mesaverde	5344
Mancos	8254
Morrison	12463

2. **Estimated Depths of Anticipated Water, Oil, Gas or Other Minerals:**

Substance	Formation	Depth (K.B.)
	GR 5277'	
	KB-Uinta Elevation: 5293'	
Oil / Gas	Green River	732
Oil /Gas	Wasatch	4022
Oil /Gas	Mesaverde	5344
Oil /Gas	Mancos	8254
Oil /Gas	Morrison	12463
	Estimated TD	13460

A 12 1/4" surface hole will be drilled with air, air/mist, foam or mud depending on hole conditions to approximately 2016 feet. The depth will be determined by the depth that the Birds Nest zone is encountered. The hole will be drilled 400 feet beyond the top of the Birds Nest zone and surface casing will be set and cemented to surface. Surface casing will be pre-set before drilling rig is moved on location. ProPetro Sevices Incorporated, or if not available, another Surface Hole Driller (collectively "Surface Hole Driller") will drill the surface hole. A 300 or 400 bbl tank of fresh water will be on location prior to commencement of operations to use as a kill fluid. The anchored blooie line shall be at least 6" in diameter and extend straight from the wellhead to the reserve/blooie pit. Surface Hole Driller's equipment includes a 1250 CFM compressor on the drilling rig along with a 1070 to 1170 CFM stand along compressor. Surface Hole Driller's equipment shall be setup on the front side of the location with the rig between the driller and the reserve/blooie pit. The stand alone compressor will be adjacent to

the rig on the same side as the driller. Surface Hole Driller's equipment includes spark arrestors on engines, a diverter head, a mister close to the end of the blooie line for dust suppression, a continuously lit pilot light, a fluid pump to circulate kill fluids as necessary, a diverter on the end of the blooie line, a float valve in the drill string and kill switches.

3. Pressure Control Equipment: (10,000 psi schematic attached)

A. Type: Eleven (11) inch Single Ram BOP, Eleven (11) inch double gate hydraulic BOP with eleven (11) inch annular preventer on 5,000 psi casinghead, with **10,000** psi choke manifold equipped per the attached diagram. BOPE as specified in *Onshore Oil & Gas Order Number 2.* A PVT, stroke counter and flow sensor will be installed to check for flow and monitor pit volume. A 10K BOPE stack will be used for the entirety of the well to reduce time required to change out equipment after each casing string.

B. Pressure Rating: 10,000 psi BOP and 5000 psi Annular Preventer

C. Kelly will be equipped with upper and lower Kelly valves.

D. Testing Procedure: Annular Preventer

At a minimum, the annular preventer will be pressure tested to 50% of the Annular Preventer rated working pressure for a period of three (3) minutes or until provisions of the test are met, whichever is longer.
At a minimum, the above pressure test will be performed:

1. When the annular preventer is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following installation up on intermediate casing string
4. Following related repairs; and
5. At thirty (30) day intervals.

In addition to the above, the annular preventer will be functionally operated at least weekly.

Blow-Out Preventer

At a minimum, the BOP, choke manifold, and related equipment will be pressure tested to 5000 psi when installed on 5000 psi Surface Casing Wellhead, and to the approved working pressure of the BOP stack after running Intermediate Casing and installing 10,000 psi "B" Section Wellhead. Pressure will be maintained for a period of at least three (3) minutes or until the requirements of the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

1. When the BOP is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following installation on intermediate casing string
4. Following related repairs; and
5. At thirty (30) day intervals.

In addition to the above, the pipe and blind rams will be activated each trip, but not more than once each day. All BOP drills and tests will be recorded in the IADC driller's log.

E. Miscellaneous Information:

The blowout preventer and related pressure control equipment will be installed, tested and maintained in compliance with the specifications in and requirements of *Onshore Oil & Gas Order Number 2*.

4. Proposed Casing & Cementing Program:

A. Casing Program: All New

Hole Size	Casing Size	Wt./Ft.	Grade	Joint	Depth Set (MD)
20"	14" O.D.				40' (GL)
12 1/4"	9-5/8"	36#	J-55	ST&C	0 – 2,016' (KB) est.
8 1/2"	7"	26#	P-110	LT&C	0 – 9000' (KB)
6-1/8"	4-1/2"	13.5#	P-110	LT&C	0 – 13460' (KB)

The surface casing will have guide shoe. Centralize the shoe joint with bowspring centralizers in the middle and top of the joint and the next 16 joints with bowspring centralizers on every other collar (8 centralizers total). Thread lock guide shoe. Surface casing will be pre-set before drilling rig is moved on location.

Casing string(s) will be pressure tested to 0.22 psi/foot of casing string length or 1500 psi, whichever is greater (not to exceed 70% of the internal yield strength of the casing), after cementing and prior to drilling out from under the casing shoe.

B. Casing Design Parameters:

Depth (MD)	Casing	Collapse(psi)/SF	Burst (psi)/SF	Tension(mlbs)/SF
40' (GL)	14" OD			
2016' (KB)	9-5/8", 36#/ft, J55, STC	2020/2.24(a)	3520/3.91 (b)	394/5.43(c)
9000' (KB)	7", 26#/ft, P-110, LTC	6210/1.18(d)	9960/1.90 (e)	693/2.96(c)
13460 (KB)	4-1/2", 13.5#/ft, P-110, LTC	10670/1.28(f)	12410/1.48 (g)	174/1.95(c)

(a.) based on full evacuation of pipe with 8.6 ppg fluid on annulus

(b.) based on 8.6 ppg gradient with no fluid on annulus
(c.) based on casing string weight in air
(d.) based on full evacuation of pipe with 11.2 ppg fluid on annulus
(e.) based on 11.2 ppg gradient, gas to surface, with no fluid on annulus,
(f.) based on full evaluation of pipe with 12.5 ppg fluid on annulus
(g.) based on 12.5 ppg gradient with no fluid on annulus

PROPOSED CEMENTING PROGRAM

Surface Casing (if well will circulate)-Cemented to surface

CASING	SLURRY	FT. of FILL	CEMENT TYPE	SXS	EXCESS (%)	WEIGHT (ppg)	YIELD (ft^3/sx)
9-5/8"	Lead	1516	Premium cement + 16% gel + 0.25 pps celloflake	250	100	11.0	3.80
9-5/8"	Tail	500	Premium cement + 2% CaC_2 + 0.25 pps celloflake	272	100	15.8	1.15

A cement top job is required if cement fallback is greater than 10' below ground level. Top job (weight 15.8 ppg, yield 1.15 ft^3/sx) cement will be premium cement w/ 3% $CaCl_2$.+0.25 pps celloflake. Volume as required

Intermediate Casing - Cemented TD to 300' above base of surface casing

CASING	SLURRY	FT. of FILL	CEMENT TYPE	SXS	EXCESS (%)	WEIGHT (ppg)	YIELD (ft^3/sx)
7"	Lead	6784	Elastiseal™ System foamed cement w/ 1.5% foamer	723	50	12.0	1.75
7"	Tail	500	Elastiseal™ System unfoamed cement	76	50	14.3	1.47

Production Casing and Liner - Cemented TD to 300' above top of Wasatch formation.

CASING	SLURRY	FT. of FILL	CEMENT TYPE	SXS	EXCESS (%)	WEIGHT (ppg)	YIELD (ft^3/sx)
4 1/2"	All	4170	Premium cement, 35% silica flour + 1.1% fluid loss + .85% retarder + .5% expanding additive + .4% suspension agent	594	20	15.1	1.695

Cement volumes are approximate and were calculated under the assumption that a gauge hole will be achieved. Actual cement volumes may vary due to variations

in the actual hole size and will be determined by running a caliper log on the drilled hole. Actual cement types may vary due to hole conditions and cement contractor used.

All waiting on cement (WOC) times will be adequate to achieve a minimum of 500 psi compressive strength at the casing shoe prior to drilling out.

5. Drilling Fluids (mud) Program:

Interval (MD)	Mud Weight	Fluid Loss	Viscosity	Mud Type
0' – 2016' (KB)		No cntrl		Air/mist
2000'-3000' (KB)	8.4-8.6	No cntrl	28-36	Water
3000'-9000' (KB)	9.2-11.2	8 - 10 ml	32-42	LSND
9000-13460' (KB)	9.2-12.5	8-10 ml	40-60	LSND

Sufficient mud material(s) to maintain mud properties, control lost circulation and contain a blowout will be available at the well site during drilling operations. For the surface casing water and wellbore cuttings will be used as necessary for a weighting material. For the rest of the well wellbore cuttings will be used as a weighting material. Barite will be used as needed for a weighting material in the lower potions of the well. The mud properties will be checked at least daily by the drilling rig personnel and/or by the mud company representative. The mud company representative will leave a written report at the rig when the mud is checked. The mud weight will be measured with a mud balance.

6. Evaluation Program:

Tests: No tests are currently planned.

Coring: No cores are currently planned.

Samples: No sampling is currently planned.

- Logging Dual Induction–SFL/Gamma Ray/Caliper/SP/TDLT/CNL/ML TD to Base Surface Casing – same for both intermediate casing point and TD. A Sonic log will be added to the run at TD.

- Cement Bond Log / Gamma Ray:
  TD to Base of Surface Casing or Top of Cement if below Base of Surface Casing

Stimulation: A stimulation or frac treatment will be designed for completion of this well based on openhole log analysis. The drill site, as approved, will be sufficient size to accommodate all completion activities.

7. **Abnormal Conditions:**

No abnormal temperatures or pressures are anticipated. No H_2S has been encountered or known to exist from previous wells drilled to similar depths in the general area.

Maximum anticipated bottom hole pressure equals approximately 8,788 psi (calculated at 0.65 psi/ft times depth).

8. **Anticipated Starting Dates:**

- Anticipated Commencement Date- Within one year of APD issue.
- Drilling Days- Approximately 45 days
- Completion Days - Approximately 20 days
- Anticipate location construction within 30 days of permit issue.

9. **Variances:**

Surface Drilling Operations

The blooie line will be a minimum of 35' which is the distance from the wellhead to the edge of the reserve/blooie pit. The contractor uses a diverter head instead of a rotating head and the contractor's two compressors shall be within 30' of the wellhead.

10. **Other:**

A Cultural Resource Inventory and Paleontology reconnaissance shall be conducted for the well location, access route and pipeline. The reports shall be submitted to the Division of Oil, Gas and Mining and the School and Institutional Trust lands Administration upon their receipt.

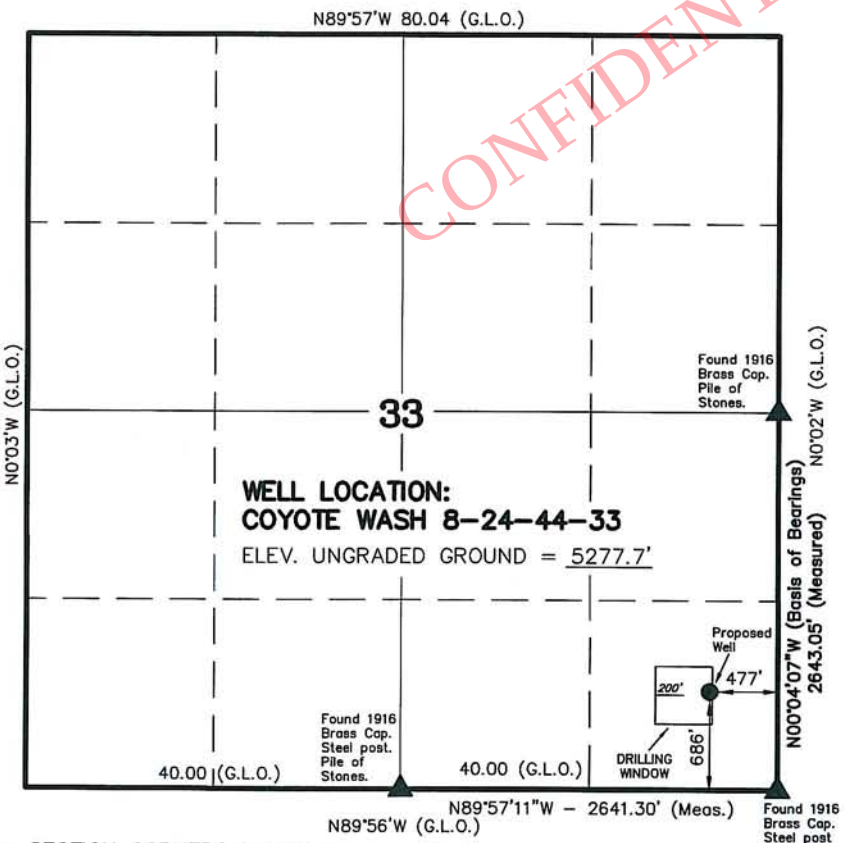
Inclination surveys will be run every 2000 feet to monitor hole angle.

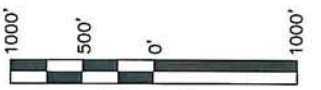
'APIWellNo:43047501970000'

T8S, R24E, S.L.B.&M.

ENDURING RESOURCES

WELL LOCATION, COYOTE WASH 8-24-44-33, LOCATED AS SHOWN IN THE SE 1/4 SE 1/4 OF SECTION 33, T8S, R24E, S.L.B.&M. UINTAH COUNTY, UTAH.





NOTES:
1. Well footages are measured at right angles to the Section Lines.
2. G.L.O. distances are shown in feet or chains. 1 chain = 66 feet.
3. Bearings are based on Global Positioning Satellite observations.

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.

Kolby R. Kay

REGISTERED LAND SURVEYOR
REGISTRATION No. 362251
STATE OF UTAH

▲ = SECTION CORNERS LOCATED

BASIS OF ELEVATION IS BENCH MARK 45 EAM LOCATED IN THE NW 1/4 SW 1/4 OF SECTION 34, T8S, R24E, S.L.B.&M. THE ELEVATION OF THIS BENCH MARK IS SHOWN ON THE BONANZA 7.5 MIN. QUADRANGLE AS BEING 5350'.

COYOTE WASH 8-24-44-33
(Proposed Well Head)
NAD 83 Autonomous
LATITUDE = 40° 04' 25.42"
LONGITUDE = 109° 12' 40.78"

TIMBERLINE (435) 789-1365
ENGINEERING & LAND SURVEYING, INC.
38 WEST 100 NORTH - VERNAL, UTAH 84078

DATE SURVEYED: 07-09-08	SURVEYED BY: M.S.B.	SHEET 2
DATE DRAWN: 07-11-08	DRAWN BY: B.R.B.	OF 10
SCALE: 1" = 1000'	Date Last Revised:	

'APIWellNo:43047501970000'

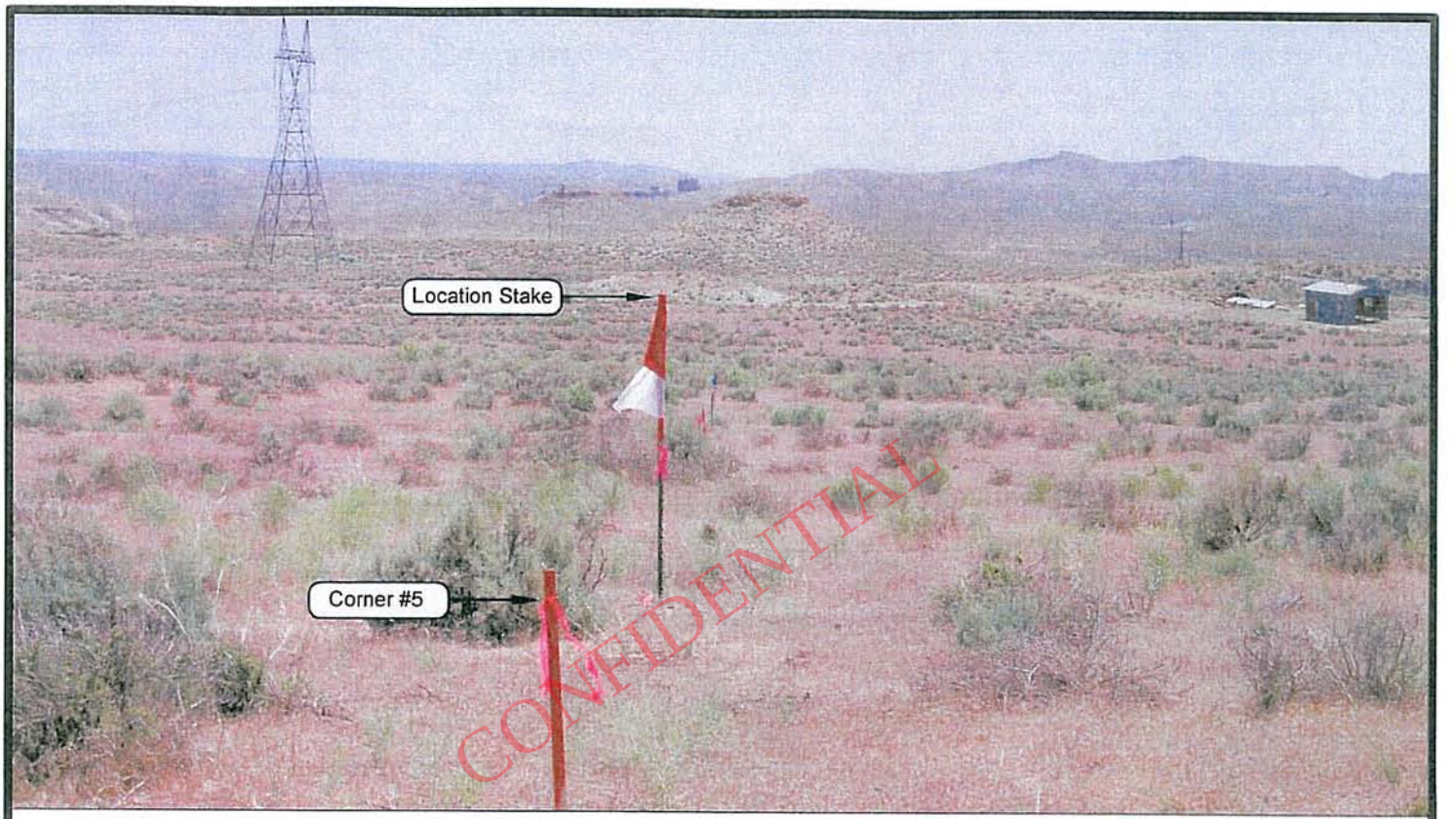


PHOTO VIEW: FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHEASTERLY

PHOTO VIEW: FROM BEGINNING OF PROPOSED ROAD

CAMERA ANGLE: NORTHEASTERLY

ENDURING RESOURCES

COYOTE WASH 8-24-44-33
SECTION 33, T8S, R24E, S.L.B.&M.

LOCATION PHOTOS		DATE TAKEN: 07-09-08
		DATE DRAWN: 07-17-08
TAKEN BY: M.S.B.	DRAWN BY: B.R.B.	REVISED:

Timberline (435) 789-1365
Engineering & Land Surveying, Inc.
38 WEST 100 NORTH VERNAL, UTAH 84078

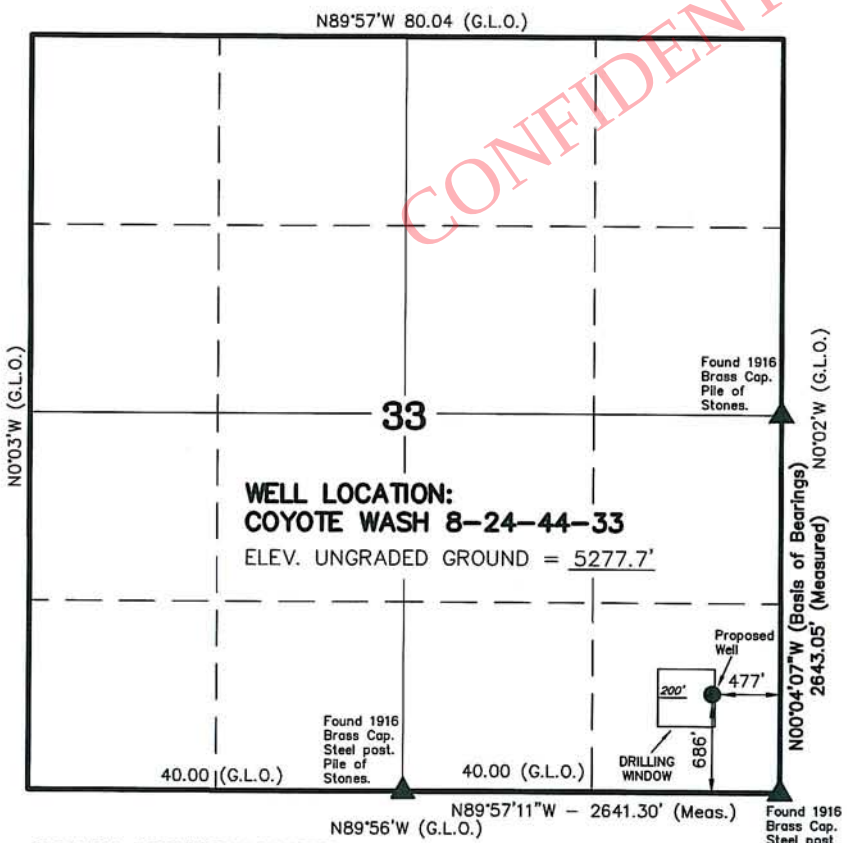
SHEET 1 OF 10

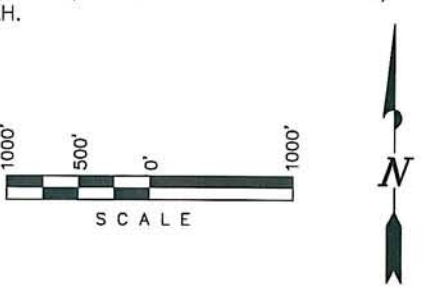
'APIWellNo:43047501970000'

T8S, R24E, S.L.B.&M.

ENDURING RESOURCES

WELL LOCATION, COYOTE WASH 8-24-44-33, LOCATED AS SHOWN IN THE SE 1/4 SE 1/4 OF SECTION 33, T8S, R24E, S.L.B.&M. UINTAH COUNTY, UTAH.





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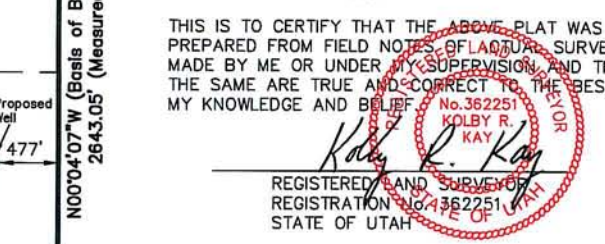

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(Proposed Well Head)
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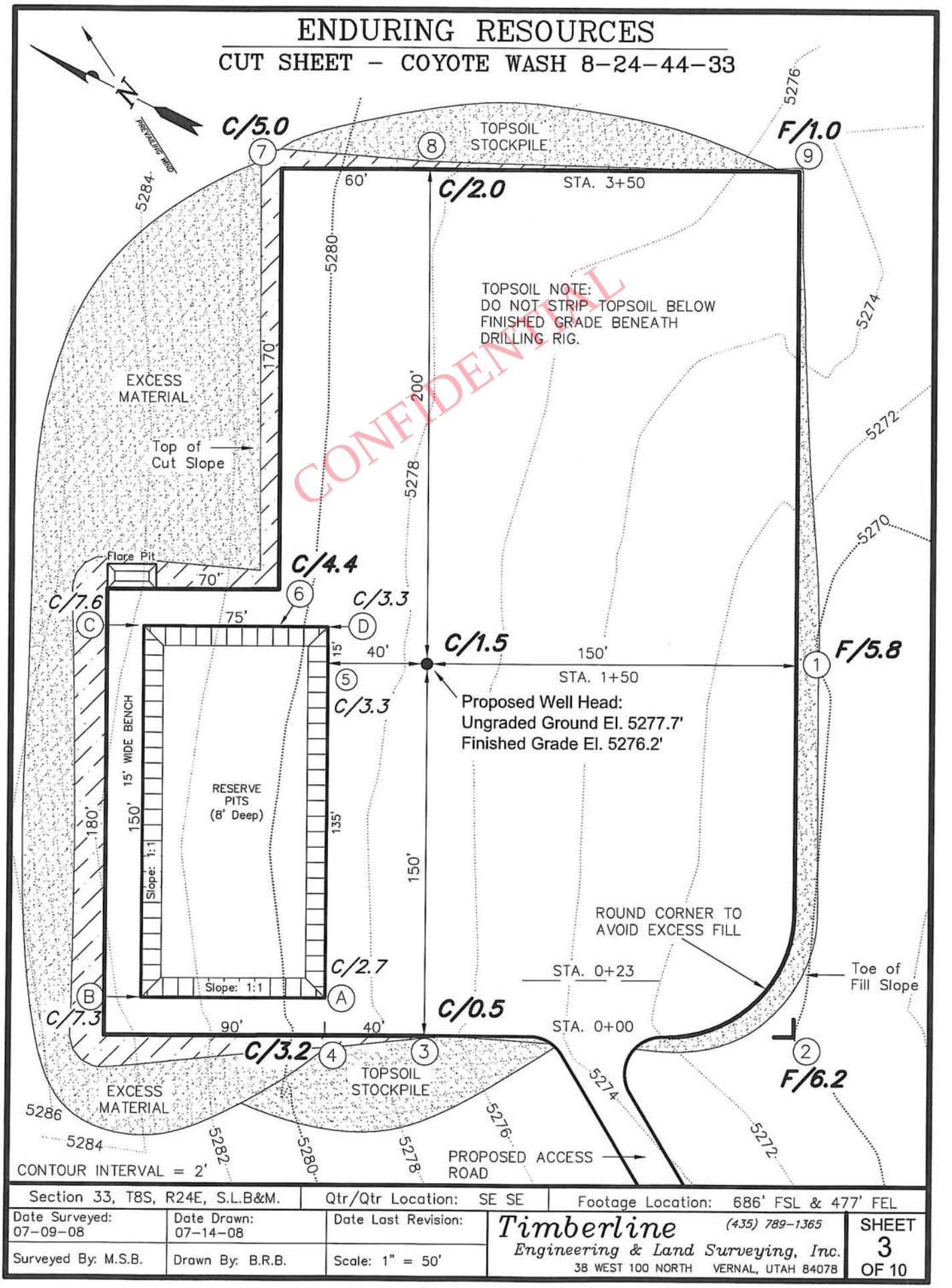
DATE SURVEYED: 07-09-08	SURVEYED BY: M.S.B.	SHEET 2
DATE DRAWN: 07-11-08	DRAWN BY: B.R.B.	OF 10
SCALE: 1" = 1000'	Date Last Revised:	

'APIWellNo:43047501970000'

ENDURING RESOURCES

CUT SHEET – COYOTE WASH 8-24-44-33

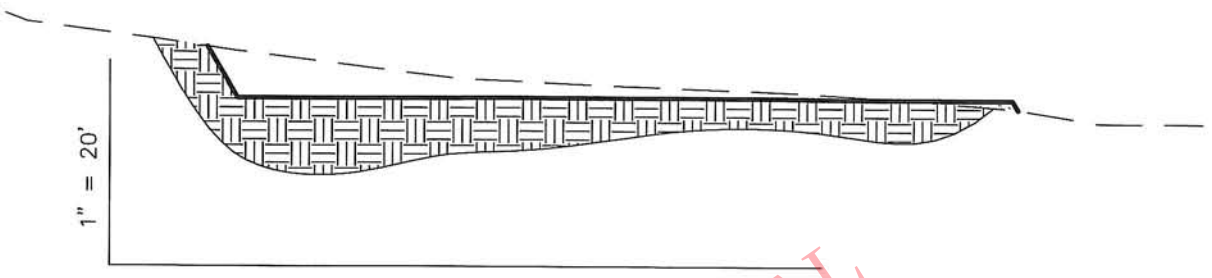


Section 33, T8S, R24E, S.L.B&M.	Qtr/Qtr Location: SE SE	Footage Location: 686' FSL & 477' FEL	
Date Surveyed: 07-09-08	Date Drawn: 07-14-08	Date Last Revision:	Timberline (435) 789-1365 Engineering & Land Surveying, Inc. 38 WEST 100 NORTH VERNAL, UTAH 84078
Surveyed By: M.S.B.	Drawn By: B.R.B.	Scale: 1" = 50'	SHEET 3 OF 10

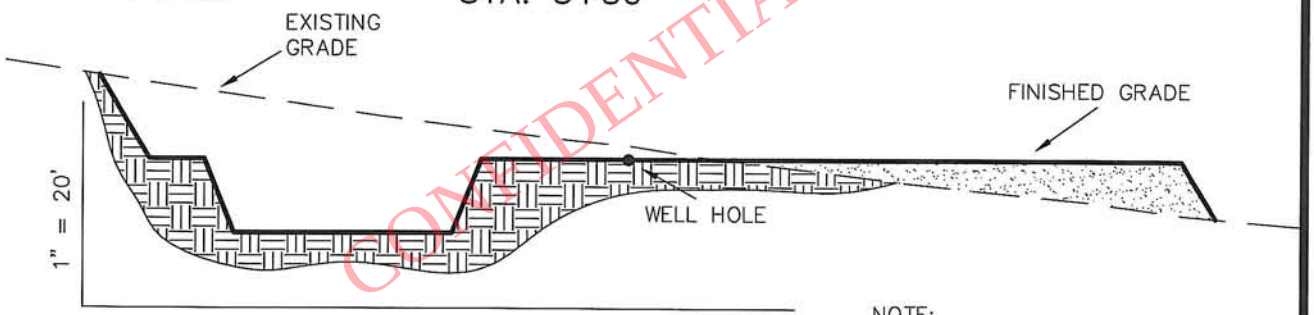
'APIWellNo:43047501970000'

ENDURING RESOURCES

CROSS SECTIONS – COYOTE WASH 8-24-44-33

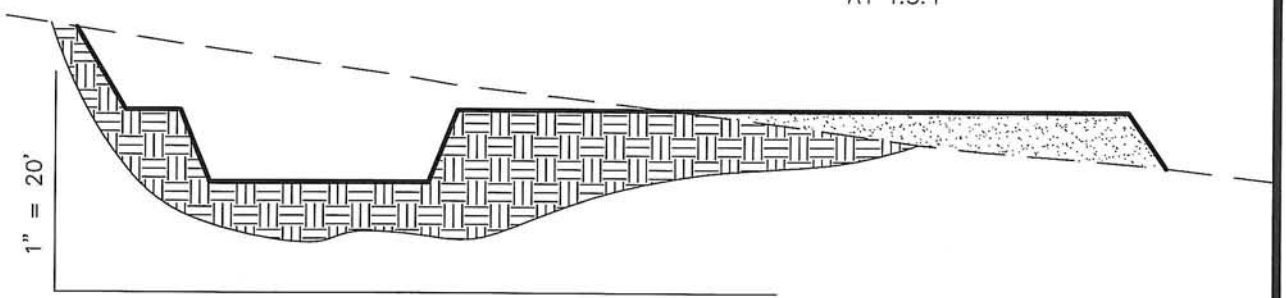


STA. 3+50

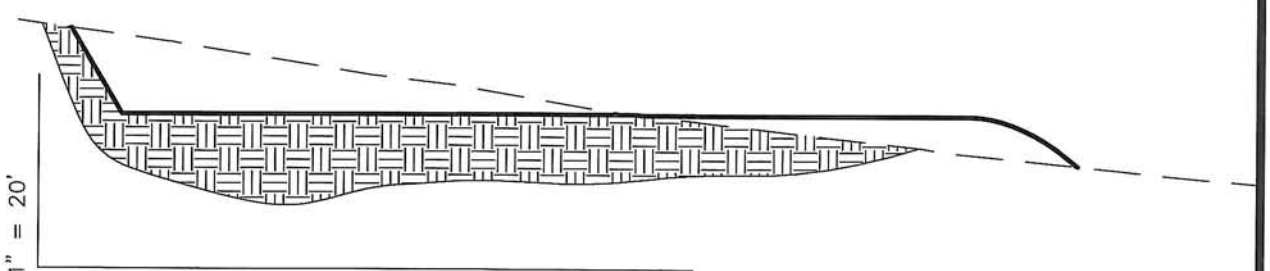


STA. 1+50

NOTE:
UNLESS OTHERWISE NOTED
ALL CUT/FILL SLOPES ARE
AT 1.5:1



STA. 0+23



STA. 0+00

REFERENCE POINTS

200' SOUTHEASTERLY = 5268.7'
250' SOUTHEASTERLY = 5268.3'
250' NORTHEASTERLY = 5279.1'
300' NORTHEASTERLY = 5280.5'

ESTIMATED EARTHWORK QUANTITIES

(No shrink or swell adjustments have been used)
(Expressed in Cubic Yards)

CUT			
6" Topsoil Stripping	= 1,590	Excess Material	= 6,660
Remaining Location	= 8,910	Topsoil & Pit Backfill (Full Pit Volume)	= 4,410
TOTAL CUT	= 10,500	Excess Unbalance (After Rehabilitation)	= 2,250
FILL	= 3,840		

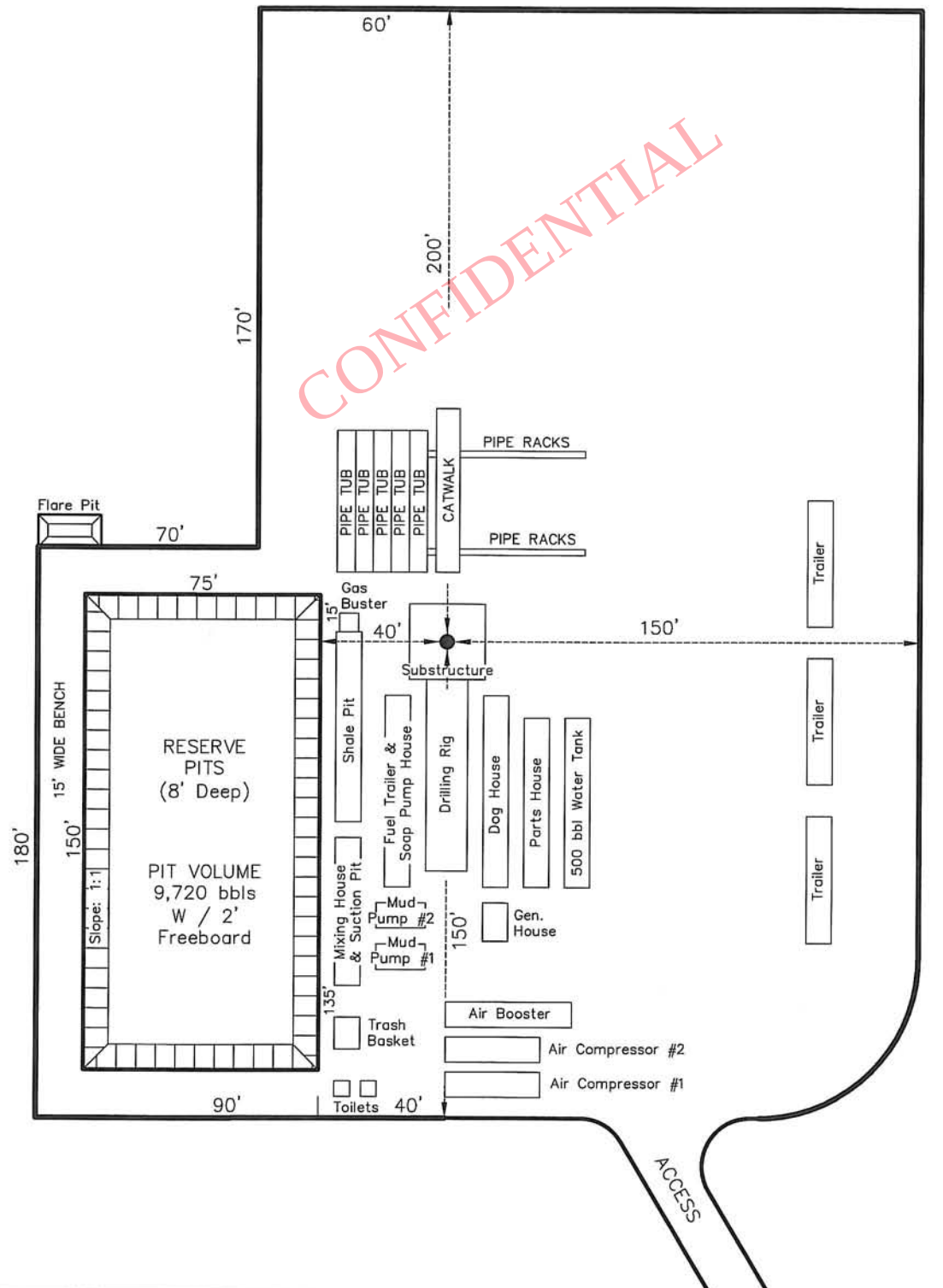
Section 33, T8S, R24E, S.L.B&M.	Qtr/Qtr Location: SE SE	Footage Location: 686' FSL & 477' FEL	
Date Surveyed: 07-09-08	Date Drawn: 07-14-08	Date Last Revision:	
Surveyed By: M.S.B.	Drawn By: B.R.B.	Scale: 1" = 50'	

Timberline (435) 789-1365
Engineering & Land Surveying, Inc.
38 WEST 100 NORTH VERNAL, UTAH 84078

'APIWellNo:43047501970000'

ENDURING RESOURCES

TYPICAL RIG LAYOUT – COYOTE WASH 8-24-44-33

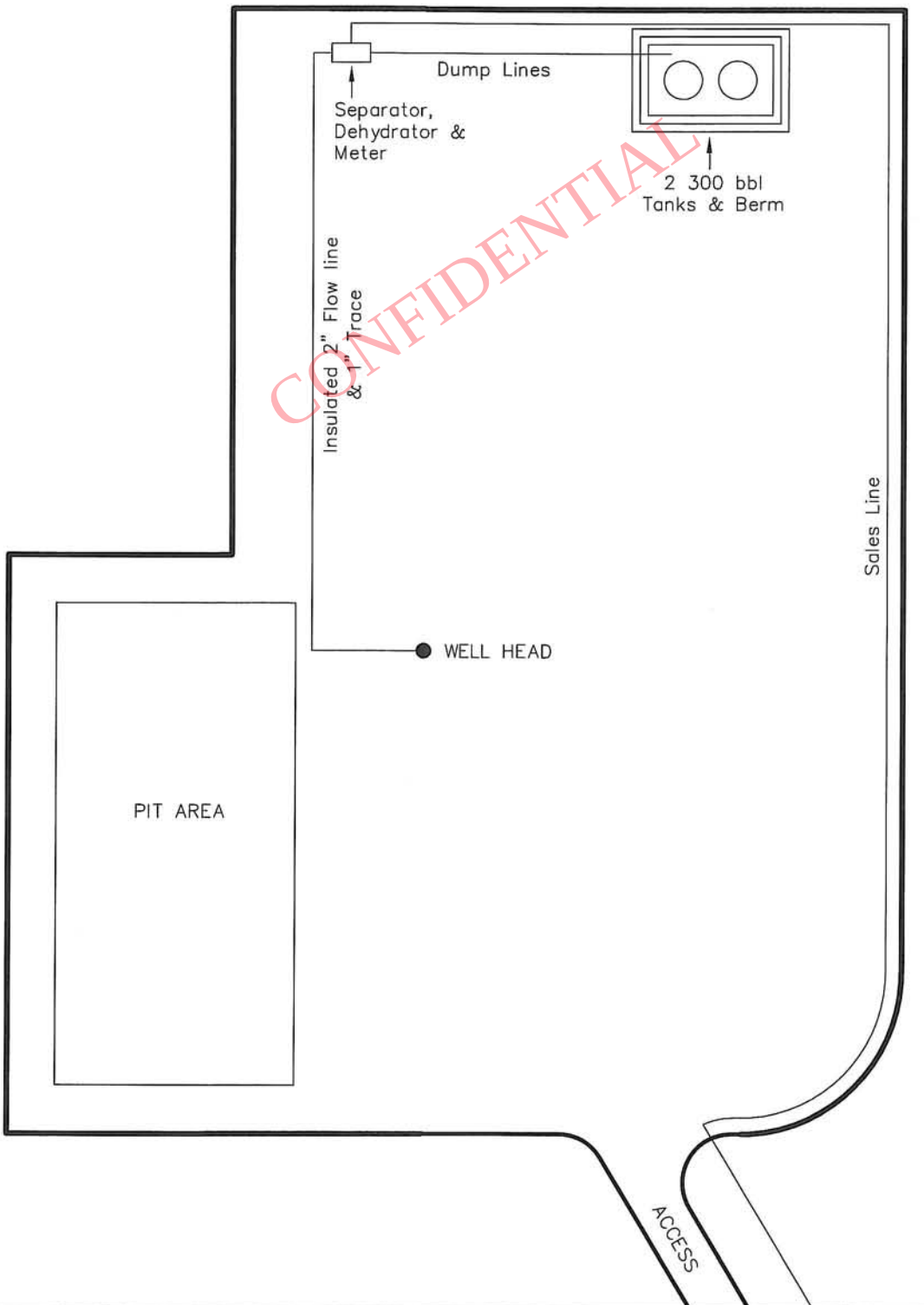


Section 33, T8S, R24E, S.L.B&M.	Qtr/Qtr Location: SE SE		Footage Location: 686' FSL & 477' FEL	
Date Surveyed: 07-09-08	Date Drawn: 07-14-08	Date Last Revision:	Timberline Engineering & Land Surveying, Inc. (435) 789-1365 38 WEST 100 NORTH VERNAL, UTAH 84078	SHEET 5 OF 10
Surveyed By: M.S.B.	Drawn By: B.R.B.	Scale: 1" = 50'		

'APIWellNo:43047501970000'

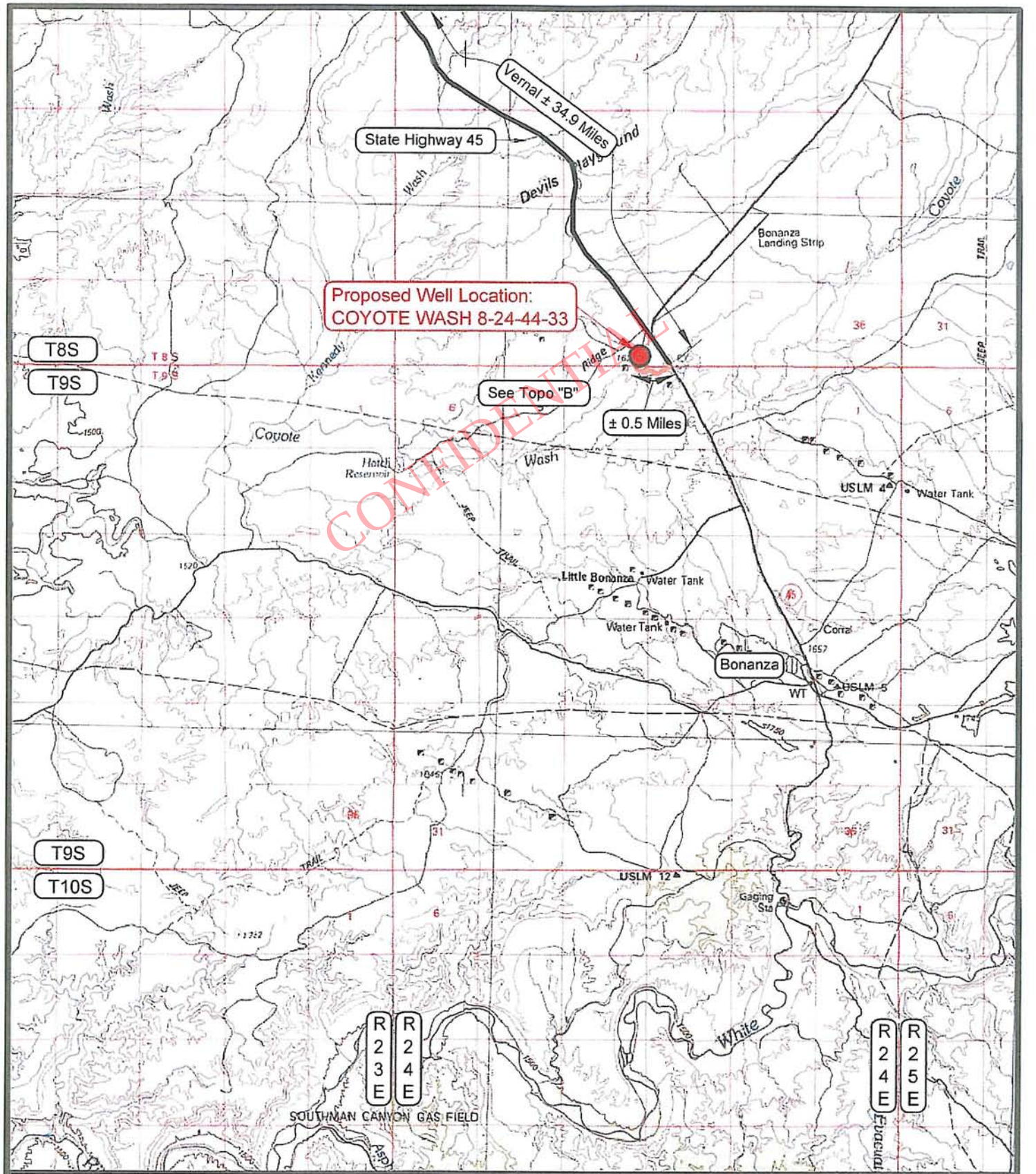
ENDURING RESOURCES

TYPICAL PRODUCTION LAYOUT – COYOTE WASH 8-24-44-33



Section 33, T8S, R24E, S.L.B&M.	Qtr/Qtr Location: SE SE	Footage Location: 686' FSL & 477' FEL		
Date Surveyed: 07-09-08	Date Drawn: 07-14-08	Date Last Revision:	Timberline (435) 789-1365 Engineering & Land Surveying, Inc. 38 WEST 100 NORTH VERNAL, UTAH 84078	SHEET 6 OF 10
Surveyed By: M.S.B.	Drawn By: B.R.B.	Scale: 1" = 50'		

'APIWellNo:43047501970000'



LEGEND

PROPOSED ACCESS ROAD
= SUBJECT WELL
= OTHER WELLS
= EXISTING ROAD
= EXISTING ROAD (TO BE IMPROVED)

B-5460 = COUNTY ROAD CLASS & NUMBER

N

ENDURING RESOURCES

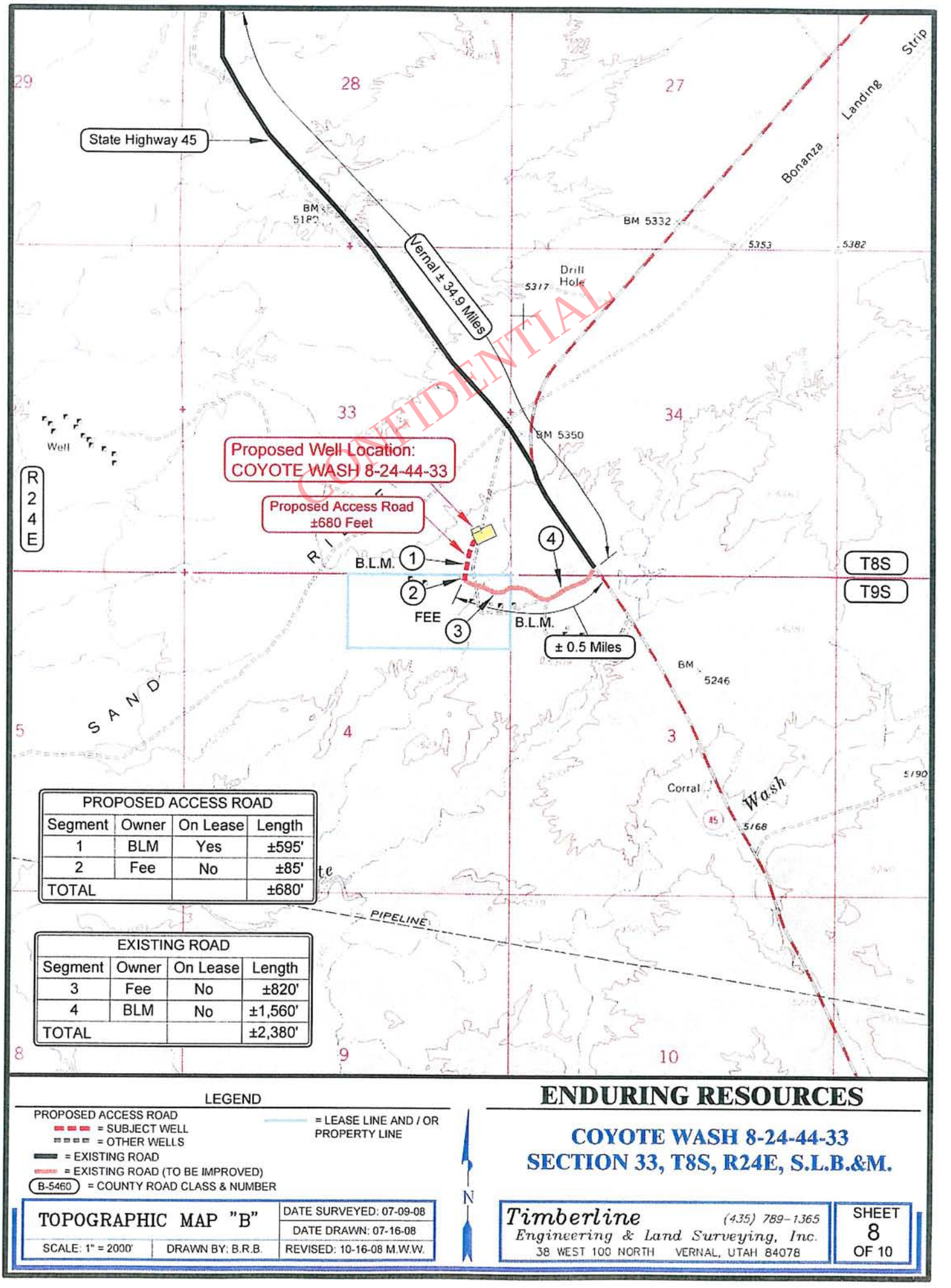
COYOTE WASH 8-24-44-33
SECTION 33, T8S, R24E, S.L.B.&M.

TOPOGRAPHIC MAP "A"	DATE SURVEYED: 07-09-08
	DATE DRAWN: 07-17-08
SCALE: 1:100,000 / DRAWN BY: B.R.B.	REVISED:

Timberline Engineering & Land Surveying, Inc.
(435) 789-1365
38 WEST 100 NORTH VERNAL, UTAH 84078

SHEET 7 OF 10

'APIWellNo:43047501970000'



PROPOSED ACCESS ROAD			
Segment	Owner	On Lease	Length
1	BLM	Yes	±595'
2	Fee	No	±85'
TOTAL			±680'

EXISTING ROAD			
Segment	Owner	On Lease	Length
3	Fee	No	±820'
4	BLM	No	±1,560'
TOTAL			±2,380'

LEGEND

PROPOSED ACCESS ROAD
= SUBJECT WELL
= OTHER WELLS
= EXISTING ROAD
= EXISTING ROAD (TO BE IMPROVED)
B-5460 = COUNTY ROAD CLASS & NUMBER
= LEASE LINE AND / OR PROPERTY LINE

N

ENDURING RESOURCES

COYOTE WASH 8-24-44-33
SECTION 33, T8S, R24E, S.L.B.&M.

TOPOGRAPHIC MAP "B"

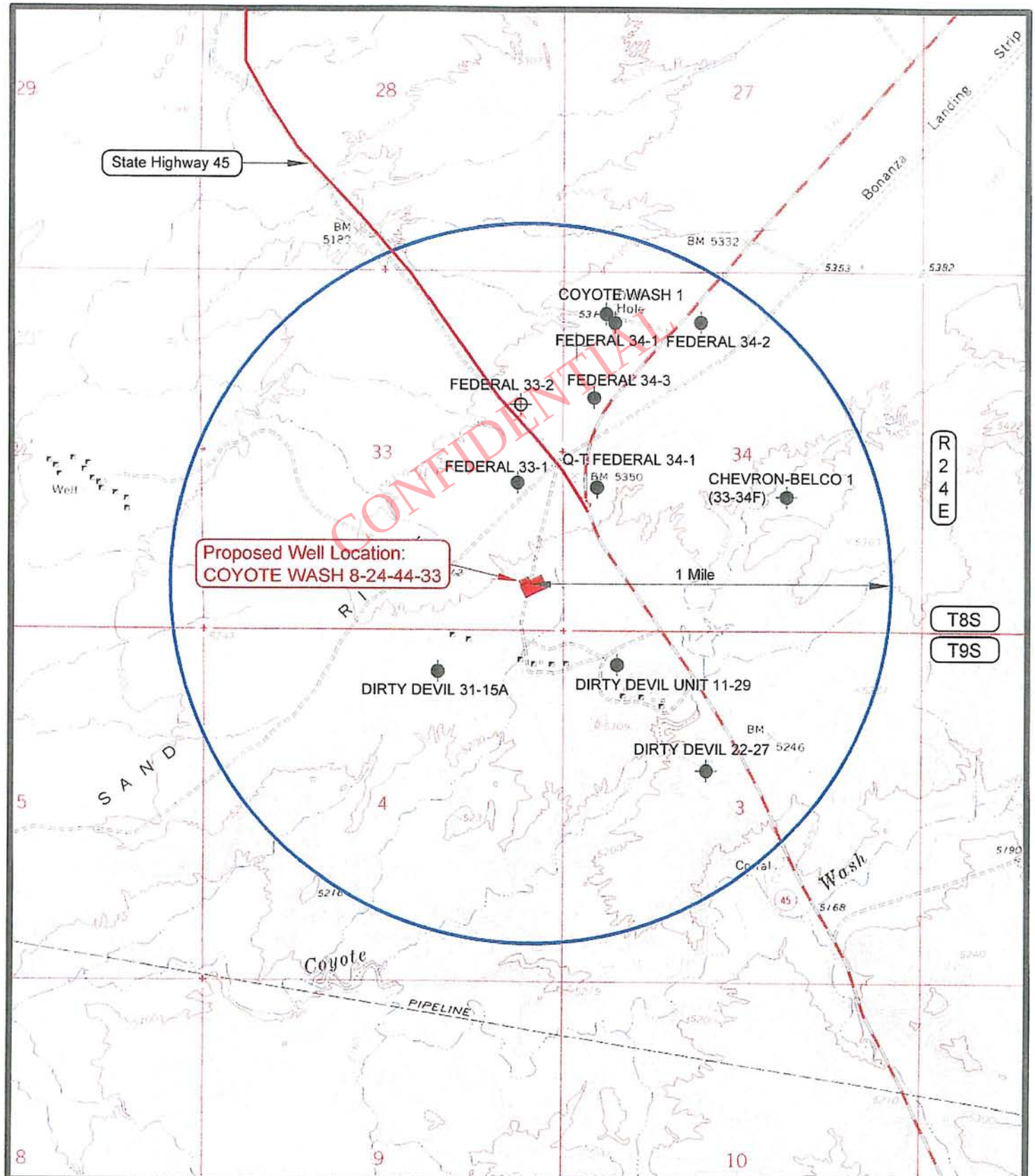
SCALE: 1" = 2000' | DRAWN BY: B.R.B.

DATE SURVEYED: 07-09-08
DATE DRAWN: 07-16-08
REVISED: 10-16-08 M.W.W.

Timberline Engineering & Land Surveying, Inc.
(435) 789-1365
38 WEST 100 NORTH VERNAL, UTAH 84078

SHEET 8 OF 10

'APIWellNo:43047501970000'



LEGEND

- ∅ = DISPOSAL WELL
- ● = PRODUCING WELL
- ● = SHUT IN WELL
- ○ = PROPOSED WELL
- ∅ = WATER WELL
- ● = ABANDONED WELL
- ● = TEMPORARILY ABANDONED WELL
- ⊕ = ABANDONED LOCATION

N

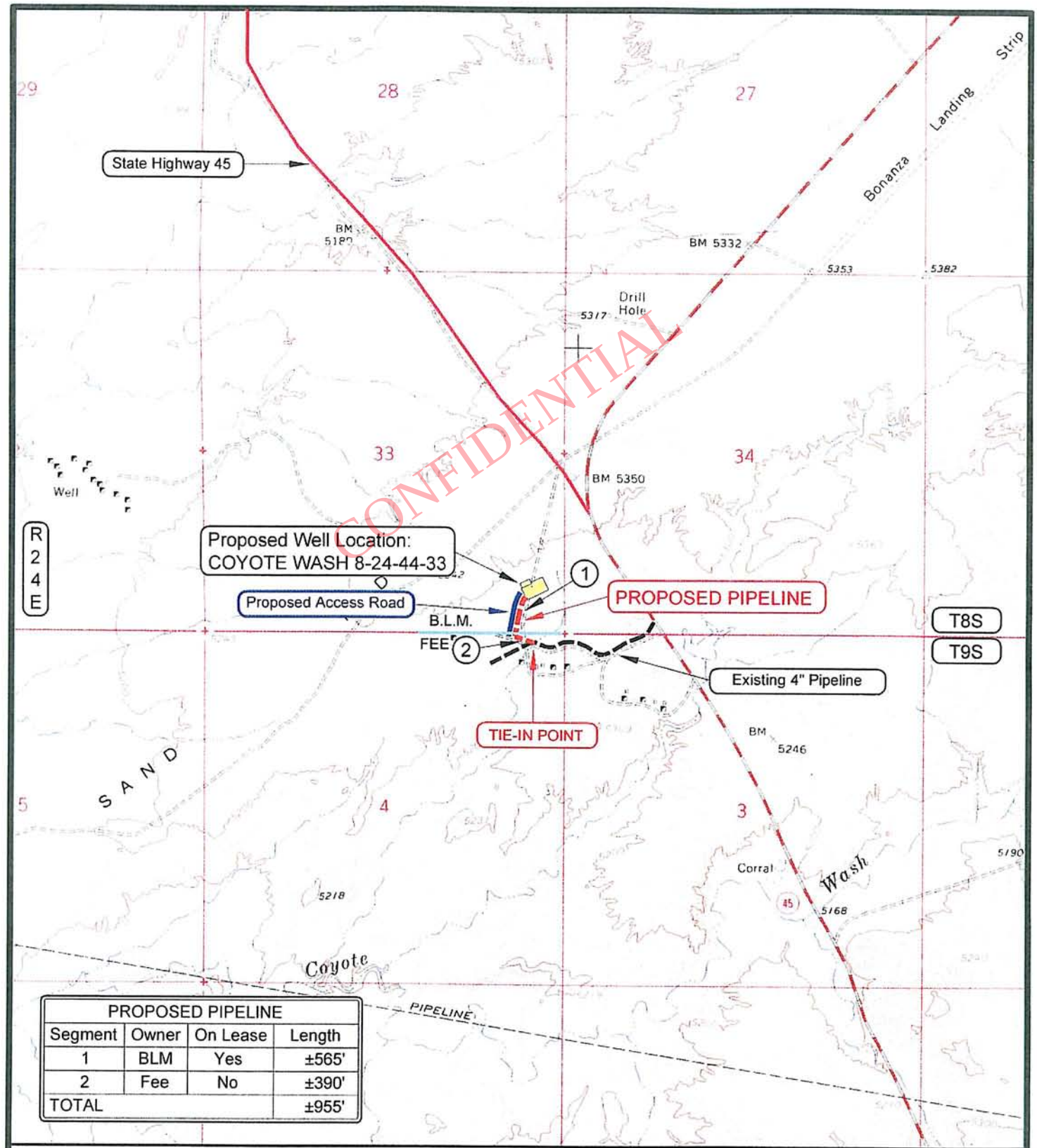
ENDURING RESOURCES

COYOTE WASH 8-24-44-33
SECTION 33, T8S, R24E, S.L.B.&M.

TOPOGRAPHIC MAP "C"	DATE SURVEYED: 07-09-08
	DATE DRAWN: 07-17-08
SCALE: 1" = 2000' / DRAWN BY: B.R.B.	REVISED:

Timberline Engineering & Land Surveying, Inc.
(435) 789-1365
38 WEST 100 NORTH VERNAL, UTAH 84078

'APIWellNo:43047501970000'



PROPOSED PIPELINE			
Segment	Owner	On Lease	Length
1	BLM	Yes	±565'
2	Fee	No	±390'
TOTAL			±955'

APPROXIMATE PIPELINE LENGTH = ± 955 Feet

LEGEND

= PROPOSED PIPELINE
= OTHER PIPELINE
PROPOSED ACCESS ROAD
= SUBJECT WELL
= OTHER WELLS
= LEASE LINE AND / OR PROPERTY LINE

N

ENDURING RESOURCES

COYOTE WASH 8-24-44-33
SECTION 33, T8S, R24E, S.L.B.&M.

TOPOGRAPHIC MAP "D"	DATE SURVEYED: 07-09-08
	DATE DRAWN: 07-17-08
SCALE: 1" = 2000' / DRAWN BY: B.R.B.	REVISED: 10-16-08 M.W.W.

Timberline Engineering & Land Surveying, Inc.
(435) 789-1365
38 WEST 100 NORTH VERNAL, UTAH 84078

SHEET 10 OF 10

'APIWellNo:43047501970000'

Form 3160-3
(August 2007)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
UTU58725

6. If Indian, Allottee or Tribe Name

1a. Type of Work: ☐ DRILL ☐ REENTER

CONFIDENTIAL

7. If Unit or CA Agreement, Name and No.

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

8. Lease Name and Well No.
COYOTE WASH 8-24-44-33

2. Name of Operator
ENDURING RESOURCES, LLC
Contact: AL ARLIAN
E-Mail: aarlian@enduringresources.com

9. API Well No.

3a. Address
475-17TH STREET, SUITE 1500
DENVER, CO 80202

3b. Phone No. (include area code)
Ph: 303-350-5114
Fx: 303-573-0461

10. Field and Pool, or Exploratory
WILDCAT

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*

At surface SESE 686FSL 477FEL 40.04254 N Lat, 109.12408 W Lon

At proposed prod. zone SESE 686FSL 477FEL 40.04254 N Lat, 109.12408 W Lon

11. Sec., T., R., M., or Blk. and Survey or Area
Sec 33 T8S R24E Mer SLB

14. Distance in miles and direction from nearest town or post office*
3.5 MILES SOUTHWEST OF BONANZA, UT

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)
477

16. No. of Acres in Lease
640.00

17. Spacing Unit dedicated to this well
40.00

18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.
1000' +

19. Proposed Depth
13460 MD
13460 TVD

20. BLM/BIA Bond No. on file
UTB000173

21. Elevations (Show whether DF, KB, RT, GL, etc.
5277 KB

22. Approximate date work will start
03/30/2009

23. Estimated duration
30 DAYS

24. Attachments

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

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
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 authorized officer.

25. Signature	Name (Printed/Typed)	Date
(Electronic Submission)	AL ARLIAN Ph: 303-350-5114	10/23/2008

Title
LANDMAN

Approved by (Signature)	Name (Printed/Typed)	Date
Title	**Office**	

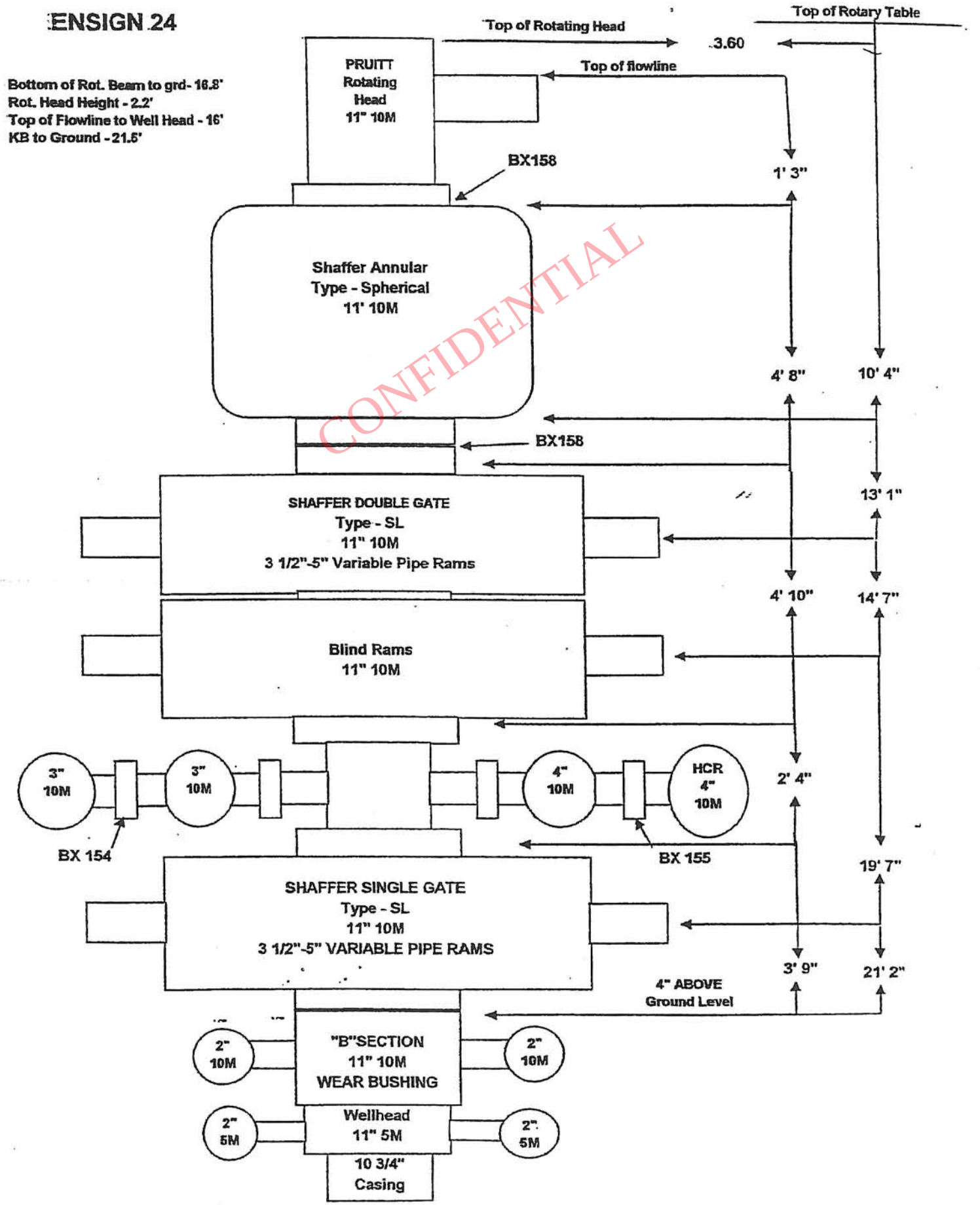
Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

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.

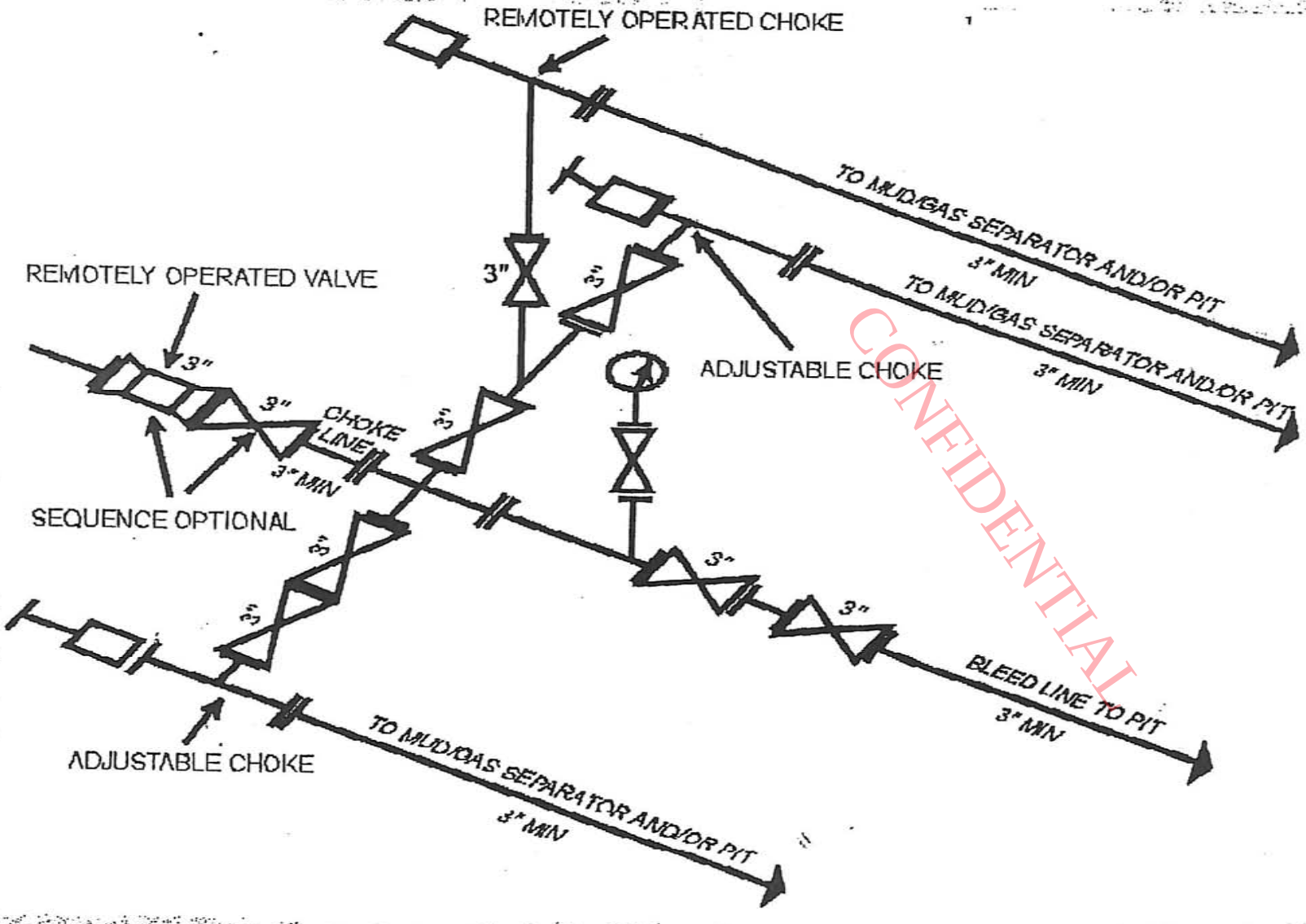
Electronic Submission #64127 verified by the BLM Well Information System
For ENDURING RESOURCES, LLC, sent to the Vernal

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

'APIWellNo:43047501970000'



Attachment I. Diagrams of Choke Manifold Equipment



I-4 10M and 15M Choke Manifold Equipment -- Configuration of chokes may vary

[54 FR 39528, Sept. 27, 1989]

Enduring Resources, LLC
Coyote Wash 8-24-44-33
SE/4SE/4 Sec. 33-8S-24E
Uintah County, Utah

Federal Lease: UTU-58725

Road Directions:

Beginning at the city of Bonanza, Utah, leave the city of Bonanza heading northerly on State Highway 45 for a distance of approximately 3.1 miles where there is a turn-off to the left onto an existing road; turn left and head westerly for 2,380 feet to the beginning of the proposed new construction access; turn right and head northerly along the proposed access approximately 680 feet to the proposed Coyote Wash 8-24-44-33 well pad.

'APIWellNo:43047501970000'

SELF-CERTIFICATION STATEMENT

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 operations proposed herein will be performed by Enduring Resources, LLC 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.

Date October 23, 2008

Name and Title:

Alvin R. Arlian, Landman – Regulatory Specialist
Enduring Resources, LLC
475 17th Street, Suite 1500
Denver, Colorado 80202
(303) 350-5114

Enduring Resources, LLC
Coyote Wash 8-24-44-33
SE/4SE/4 Sec. 33-8S-24E
Uintah County, Utah
Federal Lease: UTU-58725

Enduring Resources, LLC is responsible under the terms and conditions of the lease for the operations conducted upon leased lands. Bond coverage is provided by UTB000173.

Enduring Resources, LLC
Coyote Wash 8-24-44-33
SE/4SE/4 Sec. 33-8S-24E
Uintah County, Utah
Federal Lease: UTU-58725

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. Existing Roads:

Beginning at the city of Bonanza, Utah, leave the city of Bonanza heading northerly on State Highway 45 for a distance of approximately 3.1 miles where there is a turn-off to the left onto an existing road; turn left and head westerly for 2,380 feet to the beginning of the proposed new construction access; turn right and head northerly along the proposed access approximately 680 feet to the proposed Coyote Wash 8-24-44-33 well pad.

2. Planned Access Roads:

The proposed access road will be approximately 680 feet of new construction and 2,380 feet of existing road;

SURFACE OWNER	ROAD DESCRIPTION	LENGTH	OTHER
Fee	Existing Road	820'	OFF-LEASE
BLM	Existing Road	1,560'	OFF-LEASE
Fee	New Construction	85'	OFF-LEASE
BLM	New Construction	595'	ON-LEASE

Please refer to Topo Map "B" for the takeoff point for the new road construction.

Concurrently herewith a road right-of-way for the off-lease portion of the* existing *road located in section 3 and 4 is requested.

The proposed access road will be utilized to transport personnel, equipment and supplies to and from the proposed well site during drilling, completion and production operations. The road will be utilized year round.

The access road will be crowned 2% to 3%, ditched and constructed with a running surface of 18 feet and a maximum disturbed width of 30 feet right-of-way. Maximum grade of road is 5% or less. Graveling or capping the roadbed will be performed as necessary to provide a well constructed, safe road. No fence crossings, culverts, turnouts, cattle guards or major cuts and fills are required. Prior to construction or upgrading, the proposed road shall be cleared of any snow and allowed to dry completely.

Surface disturbance and vehicular traffic will be limited to the proposed location and proposed access route. Any additional area needed will be approved in advance. All construction shall be in conformance with the standards outlined in the BLM and Forest Service publication: *Surface Operating Standards for Oil and Gas Exploration and Development. 1989.*

The road surface and shoulders will be kept in a safe usable condition and will be maintained in accordance with the original construction standards. All drainage ditches will be kept clear and free flowing and will be maintained according to original construction standards. The access road surface will be kept free of trash during operations. All traffic will be confined to the approved disturbed surface. Road drainage crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the drainages be blocked by the road bed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided. When snow is removed from the road during the winter months, the snow shall be pushed outside of the borrow ditches and the turnouts kept clear so that snowmelt will be channeled away from the road.

3. Location of Existing Wells within a One-Mile radius (See "Topo" Map "C" attached):

The following wells are wells located within a one (1) mile radius, or more, of the proposed location.

a.	One:	Water Wells:	
		1. 49-268, SE/4 Sec 35-8S-24E	
b.	None:	Injection Wells:	
c.	None:	Producing Wells:	
d.	None:	Drilling Wells:	
e.	Four:	Shut-in Wells:	
		1. Federal 33-1	NESE Sec 33-8S-24E
		2. Q-T Federal 34-1	NWSW Sec 34-8S-24E
		3. Dirty Devil 31-15A	NWNE Sec 3-9S-24E
		4. Dirty Devil Unit 11-29	NWNW Sec 3-9S24E
f.	None:	Temporarily Abandoned Wells:	
g.	None:	Disposal Wells:	
h.	Four	Abandon Wells:	
		1. Dirty Devil 22-27	SENW Sec 3-9S-24E
		2. Chevron-Belco 1	SWSE Sec 34-8S-24E
		3. Coyote Wash 1	NWNW Sec 34-8S-24E
		4. Federal 34-1	NWNW Sec 34-8S-24E
i.	None:	Dry Holes:	
		1. Federal 33-2	SENE Sec 33-8S-24E
j.	None:	Observation Wells:	
k.	None:	Pending (staked) Wells:	

4. Location of Existing and/or Proposed Facilities:

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 or the top of the fill slope.

A dike will be constructed completely around those production facilities which contain fluids (i.e. production tanks, produced water tanks and/or heater treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank and be independent of the back cut.

All permanent (on site for six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the rocky Mountain Five State Inter-Agency Committee.

All facilities will be painted within 6 months of installation. The color shall be Dark Olive Black. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded.

Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.

SURFACE OWNER	PIPELINE DESCRIPTION	LENGTH	OTHER
Fee	New Construction	390'	OFF-LEASE
BLM	New Construction	595'	ON-LEASE

A surface gas gathering line and related equipment shall be installed for year around usage. Approximately 955 feet of 4" or, less surface gas gathering pipeline shall be laid to minimize surface disturbance.

Concurrently herewith a pipeline right-of-way for the off-lease portion of the pipeline located in Sec 4-9S-24E and Sec 3-9S-24E is requested.

The proposed pipeline will begin at the well site, be laid by the eastside of the access road, then the north side of the existing road (UTU84758) then will bore under Hwy 45, and then will run on the east side of Hwy 45 south and tie-in to an existing pipeline.

All State and County roads will be bored under upon State and County approvals to do so.

The meter run will be housed. The gas gathering line will be buried or anchored down from the wellhead to the meter.

Upon plugging and abandonment, the gas gathering line will be removed and the disturbed area will be re-contoured and restored as near as practical to the original condition. If necessary, re-seeding operations will be performed after completion of other reclamation operations.

5. Location and Type of Water Supply:

Water will be purchased from American Gilsonite from the following source. Water Right No. 49-222, Application/Claim No. A29909/a4958, Certificate No. 9915 ("AGC Water Right"). The AGC Water Right consists of nineteen underground water wells located in Sec.2, T10S, R24E, SLBM, piped to and stored in a cistern located in Section 25, T9S, R24E.

Water will be hauled to the location over the roads marked on "Topo" Maps "A" and "B."

No water well is to be drilled on this lease.

6. Source of Construction Materials:

Surface and subsoil materials in the immediate area will be utilized for location and access road construction.

Any gravel will be obtained from a commercial source; however, gravel sized rock debris associated with location and access road construction may be used as access road surfacing material.

7. Methods of Handling Waste Materials:

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including salts and chemicals, contained in the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days after drilling is terminated.

The reserve pit well be constructed on the location and will not be located within natural drainage, where a flood hazard exits or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, brake or allow discharge of liquids.

The reserve pit will be lined with ¼ felt and a minimum of 16 mm plastic with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

A chemical portable toilet will be furnished with the drilling rig. The toilet will be replaced periodically utilizing a licensed contractor to transport by truck the portable chemical toilet so that its contents can be delivered to the Vernal Wastewater Treatment Facility in accordance with state and county regulations.

Garbage, trash and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. No trash well be burned on location.

All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported or disposed of in association with the drilling, completion or testing 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, completion or testing of this well.

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the following Enduring water disposal wells.

A. Buck Camp 11-22-14-36 WDW T11S-R22E, Sec 36: SWSW, or
B. Southman Canyon 9-23-22-36 WDW T9S-R23E, Sec 36: SENW.

8. Ancillary Facilities:

During drilling operations, approximately 30 days, the site will be a manned camp. Three or four additional trailers will be on location to serve as the crews' housing and eating facilities. These will be located on the perimeter of the pad site within the topsoil stockpiles. Refer to Sheet 4.

9. Well Site Layout: (Refer to Sheets #2, #3, and #4)

The attached Location Layout Diagrams described drill pad cross-sections, cuts and fills and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s) and surface material stockpiles(s).

Please see the attached diagram for rig orientation and access roads.

The top soil will be windrowed rather than piled. It will be reseeded and track walker at the time the location is constructed. Seeding will be with the determined during the onsite. (Refer to "Seed Mixture for Windrowed Top Soil Will included:" following herein.

a. Indian Ricegrass
b. Crested Wheatgrass
c. Shadscale
d. Rabbit Brush

The top soil removed from the pit area will be store separately and will not be reseeded until the pit is reclaimed.

All pits shall be fence to the following minimum standards:

a. 39 inch net wire shall be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.
b. The net wire shall be no more than 2 inches above the ground. The barbed wire shall be 3 inches over the new wire. Total height of the fence shall be at least 42 inches.
c. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
d. Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two fence posts shall be no greater than 16 feet.
e. All wire shall be stretched by, using a stretching device, before it is attached to corner posts.
f. The reserve pit fencing will be on three sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.
g. Location size may change prior to drilling the well due to the current rig availability. If the proposed location is not large enough to accommodate the drilling, the location will be re-surveyed and a Form 9 will be submitted.

10. Plans for Surface Reclamation:

Producing Location:

a. Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, materials, trash and debris not required for production.
b. Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 40CFR 3162.7.
c. Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.
d. The reserve pit and that portion of the location not needed for production facilities / operations will be re-contoured to the approximated natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.
e. To prevent surface water(s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface 3 feet above surrounding round surface to allow the reclaimed pit area to drain effectively.
f. Upon completion of back filling, leveling and re-contouring, the stockpiled topsoil will be spread evenly over the reclaimed area(s).

Dry Hole/Abandoned Location:

i. Abandoned well sites, roads and other disturbed areas will be restored as nearly as practical to their original condition. Where applicable, these conditions include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions and re-establishment of vegetation as specified.
ii. All disturbed surfaces will be re-contoured to the approximated natural contours with reclamation of the well pad and access road to be performed as soon as practical after final abandonment. If necessary, re-seeding operations will be performed after completion of other reclamation operations.

Seed Mixture for Windrowed Top Soil Will Included:

To be provided by the BLM

11. Surface Ownership: Location, Access and Pipeline Route:

Wellsite: Bureau of Land Management

Access: Bureau of Land Management and American Gilsonite

Pipeline: Bureau of Land Management and American Gilsonite

12. Other Information

On-site Inspection for Location, Access and Pipeline Route:

The on-site was conducted on October 14, 2008.

Attending were:

1. Anna Figueroa - BLM
2. Scott Ackerman - BLM
3. Kolby Kay – Timberline Survey
4. Carroll Estes - Enduring Resources

Special Conditions of Approval:

None for this well(s).

Archeology:

a. A Cultural Resource Inventory Report has been prepared by Montgomery Archaeological Consultants and a copy is attached.

Paleontology:

b. A Paleontology Reconnaissance Report has been prepared by Intermountain Paleo-Consulting and a copy is attached.

If, during operations, any archaeological or historical sites, or any objects of antiquity (subject to the Antiquities Act of June 8, 1906) are discovered, all operations which would affect such sites will be suspended and the discovery reported promptly to the surface management agency.

13. Lessee's or Operator's Representatives:

Representatives:

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Enduring Resources, LLC
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CULTURAL RESOURCE INVENTORY OF ENDURING RESOURCES, INC'S PROPOSED COYOTE WASH 8-24-44-33 WELL LOCATION (TOWNSHIP 8S, RANGE 24E, SECTION 33) UINTAH COUNTY, UTAH

CULTURAL RESOURCE INVENTORY OF ENDURING RESOURCES, INC'S PROPOSED COYOTE WASH 8-24-44-33 WELL LOCATION (TOWNSHIP 8S, RANGE 24E, SECTION 33) UINTAH COUNTY, UTAH

By:

Keith Montgomery

Prepared For:

Bureau of Land Management
Vernal Field Office

Prepared Under Contract With:

Enduring Resources, LLC
475 17th Street, Suite 1500
Denver, Colorado 80202

Prepared By:

Montgomery Archaeological Consultants, Inc.
P.O. Box 219
Moab, Utah 84532

September 25, 2008

MOAC Report No. 08-195

United States Department of Interior (FLPMA)
Permit No. 08-UT-60122

State of Utah Antiquities Project (Survey)
Permit No. U-08-MQ-0757b,p

INTRODUCTION

A cultural resource inventory was conducted by Montgomery Archaeological Consultants, Inc. (MOAC) in August 2008 for Enduring Resources, Inc's. proposed Coyote Wash 8-24-44-33 well location with associated access/pipeline corridors. The project area is located north of Bonanza, Uintah County, Utah. The survey was implemented at the request of Mr. Al Arlian, Enduring Resources, Vernal, Utah. The project is situated on public land administered by the Bureau of Land Management (BLM), Vernal Field Office and private property.

The objective of the inventory was to locate, document, and evaluate any cultural resources within the project area in order to comply with Section 106 of 36 CFR 800, the National Historic Preservation Act of 1966 (as amended). Also, the inventory was implemented to attain compliance with a number of federal and state mandates, including the National Environmental Policy Act of 1969, the Archaeological and Historic Conservation Act of 1972, the Archaeological Resources Protection Act of 1979, the American Indian Religious Freedom Act of 1978, and the Utah State Antiquities Act of 1973 (amended 1990).

The fieldwork was performed on August 1, 2008 by Chris Roberts (Field Supervisor) under the auspices of U.S.D.I. (FLPMA) Permit No. 08-UT-60122 and State of Utah Antiquities Permit (Survey) No. U-08-MQ-0757bp issued to MOAC, Moab, Utah.

A file search for previous cultural resource inventories and archaeological sites was conducted by Keith Montgomery at the BLM Vernal Field Office on August 1, 2008. This consultation indicated that several inventories have been completed near the project area. In 1981, Nickens and Associates inventoried the Bonanza-Rangely Transmission Line (Utah Portion), resulting in the documentation of a lithic scatter in a sand dune (42Un1167) situated outside of the current inventory area (Christensen 1981). The Seep Ridge Cultural Study Tract was inventoried by Nickens and Associates the same year (Larralde and Chandler 1981). Numerous prehistoric and historic sites were recorded during this project, all located outside of the present project area. Also in 1980 Nickens and Associates surveyed a transmission line for the Moon Lake project. Nine archaeological sites were documented along the route; however, all occur outside of the current project area (Reed 1980). An archaeological reconnaissance of the American Gilsonite 1982 drilling program was completed by Utah Archaeological Research Corporation in 1982 (Cook 1982); no cultural resources were found. In 1988, Alpine Archaeological Consultants surveyed the access roads for the Craig Bonanza 345 kV Transmission Line resulting in no cultural resources in the immediate inventory area (Horn 1988). In 2004, Montgomery Archaeological Consultants inventoried three proposed well locations for Questar E&P located just west of the present project area in which an ineligible historic trash dump (42Un3686) was documented (Elkins and Bond 2004). Also in 2004, MOAC performed a cultural resource inventory of three wells for Questar near the project area which resulted in documentation of one previously recorded historic site (42Un2082) and four new historic sites (42Un3687 through 42Un3690) (Bond 2004). In 2005, MOAC surveyed five well locations for Questar E&P resulting in the location of two previously recorded historic sites (42Un2082 and 42Un3690), both situated outside of the current project area (Montgomery 2005).

DESCRIPTION OF THE PROJECT AREA

The inventory area is located north of Bonanza, Utah and west of SR-45 in Uintah County, Utah. The legal description is Township 8 South, Range 24 East, Section 33 and Township 9 South, Range 24 East, Section 4 (Table 1, Figure 1).

Table 1. Enduring Resources Inc.'s Proposed Coyote Wash 8-24-44-33 Well Location

Well Location Designation	Legal Location	Access/Pipeline	Cultural Resources
Coyote Wash 8-24-44-33	T8S, R24E, Sec. 33 SE/SE	Access/Pipeline: 750 ft	None

Environmental Setting

The study area lies within the Uinta Basin physiographic unit, a distinctly bowl-shaped geologic structure (Stokes 1986:231). The entire Uinta Basin ecosystem is within the Green River drainage, considered to be the northernmost extension of the Colorado Plateau. In general the project area falls within the Central Badlands District as defined by Clarke (1957) an area of broad erosional benches, with extensive badland rims along the drainages which continues to dissect the benches. Specifically, the inventory area extends from Sand Ridge southwards past the Little Bonanza Mining District. In particular, the project area is characterized by narrow benches and northeast-southwest trending washes. The oldest formation present is the early Tertiary Uinta formation that is characterized by low, eroded hills of variegated red and gray claystone, mudstone and shale. In the project area this formation erodes to badland topography and consists of irregular lensing of channel sandstone bodies and thin-bedded floodplain deposits. The Uinta formation is known for its fossil vertebrate turtles, crocodilians, fish, and mammals. In addition, old piedmont-slope deposit, most likely of Pleistocene age, mantle the upland ridge tops and benches.

Specifically, the project area is located on Sand Ridge just north of Coyote Wash. The nearest permanent water course is the White River located about 2 miles to the north. Elevation ranges between 5260 and 5300 ft asl. Vegetation in the project area includes low sagebrush, greasewood, saltbush, prickly pear cactus, and bunch grasses. Modern disturbances include roads, and oil/gas development.

SURVEY METHODOLOGY

An intensive pedestrian survey was performed for this project which is considered 100% coverage. At the proposed well location, a 10 acre square parcel was defined, centered on the well pad center stake. The interior of the well location was examined for cultural resources by the archaeologist walking parallel transects spaced no more than 10 m (33 ft) apart. The access/ pipeline corridor was surveyed to a width of 200 ft. Ground visibility was considered good. A total of 13.5 acres was inventoried of which 11.6 acres is situated on public land administered by the BLM (Vernal Field Office) and 1.9 occurs on private property.

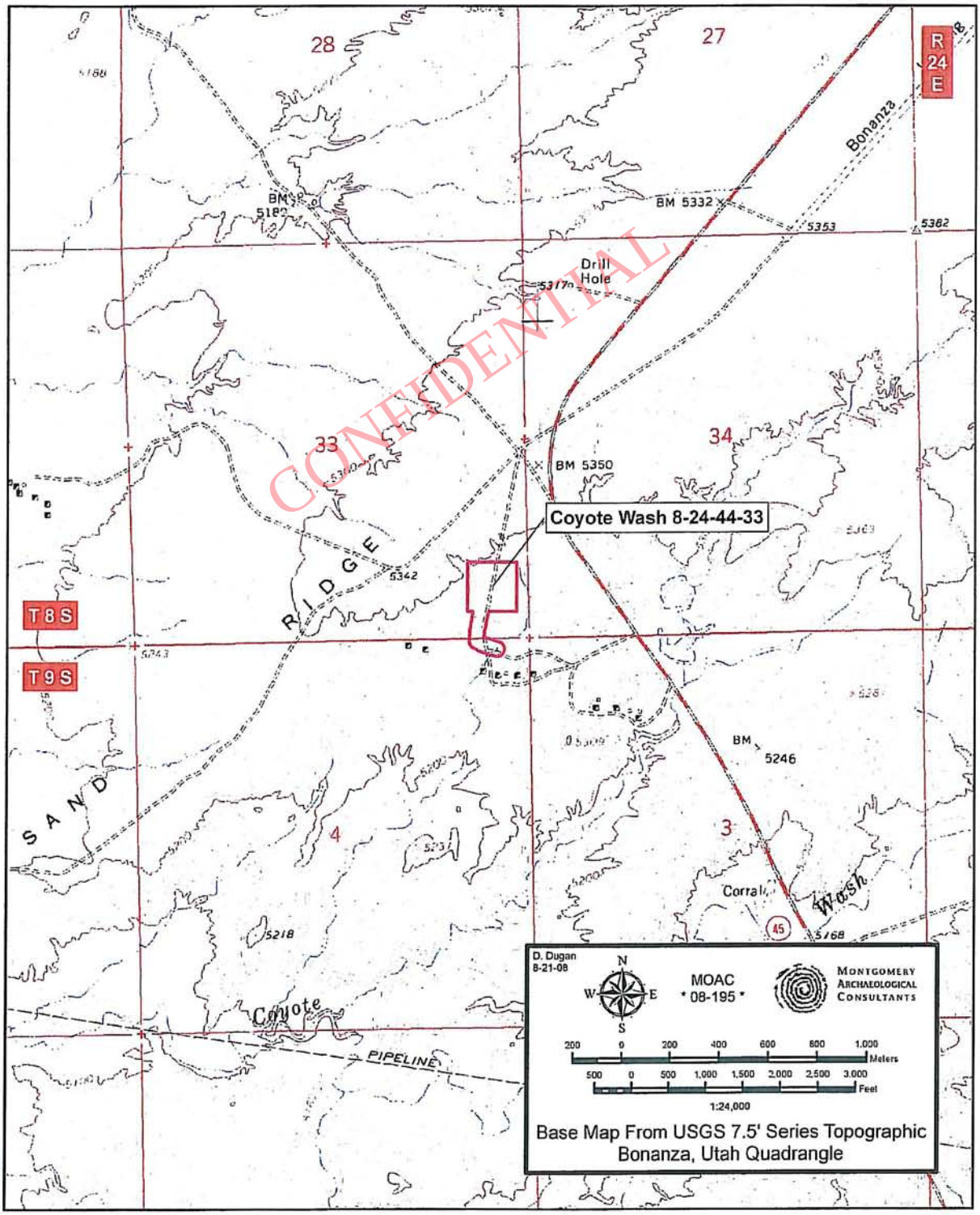


Figure 1. Inventory Area of Enduring Resources Inc.'s Proposed Coyote Wash 8-24-44-33 Well Location with Access/Pipeline Corridor, Uintah County, Utah.

RESULTS AND RECOMMENDATIONS

The inventory of Enduring Resources Inc.'s proposed Coyote Wash 8-24-44-33 well location with access/pipeline corridors resulted in the location of no cultural resources. Based on the findings, a determination of "no adverse impact" is proposed for this project pursuant to Section 106, CFR 800.

REFERENCES CITED

Bond, M. C.
2004 Cultural Resource Inventory of Questar's Proposed Well Locations CWP 4MU-32-8-24, RWS 3MU-9-9-24, and RWS 10MU-6-9-24 Near Bonanza, Uintah County, Utah. Montgomery Archaeological Consultants, Moab, Utah. Project No. U-04-MQ-0312.

Christensen, D.
1981 Archaeological Survey of the Bonanza-Rangely Transmission Line (Utah Portion), Bonanza Power Plant Project. Nickens and Associates, Montrose, Colorado. Report No. U-81-NH-657.

Clarke, J.
1957 Geomorphology of the Uinta Basin. In *Guidebook to the Geology of the Uintah Basin*, edited by O.G. Seal.

Cook, C. W.
1982 Archaeological Reconnaissance of American Gilsonite 1982 Drilling Program at Bonanza, Uintah County, Utah. Utah Archaeological Research Corporation. Report No. U-82-UB-599.

Elkins, M. and M. Bond
2004 Cultural Resource Inventory of Questar Exploration and Production's Three Proposed Well Locations (WK #9MU-2-9-24, RWS #11MU 12-9-24, RWS #8MU-14-9-24) near Bonanza Uintah County, Utah. Montgomery Archaeological Consultants, Moab, Utah. Report No. U-04-MQ-0311.

Horn, J. C.
1988 Cultural Resource Inventory of Proposed Access Roads for the Craig-Bonanza 345 kV Transmission Line Project, Uintah County, Utah and Moffat and Rio Blanco Counties, Colorado. Alpine Archaeological Consultants, Montrose, Colorado. Report No. U-88-A1-350.

Larralde, S. L. and S. M. Chandler
1981 Archaeological Inventory in the Seep Ridge Cultural Study Tract, Uintah County, Utah. Nickens and Associates, Montrose, Colorado. Report No. U-81-NH-0590b.

Montgomery, K. R.
2005 Cultural Resource Inventory of Questar's Proposed Well Locations CWD 1ML-32-8-24, 3ML-32-8-24, 8ML-32-8-24, 10ML-32-8-24, and 12ML-32-8-24 near Bonanza, Uintah County, Utah. Montgomery Archaeological Consultants, Moab, Utah. Report No. U-05-MQ-1238b.

Reed, A. D.
1980 Archaeological Investigations of Proposed Transmission Line Corridors for the Moon Lake Project, Northwestern Colorado, Northeastern Utah and Southwestern Wyoming. Nickens and Associates. Report No. 80-NH-410.

Stokes, W. L.
1986 *Geology of Utah*. Utah Museum of Natural History and Utah Geological and Mineral Survey, Salt Lake City.

IPC #08-171

Paleontological Reconnaissance Survey Report

Survey of Enduring Resources' Proposed Well Pad, Access Road, and Pipeline for "Coyote Wash #8-24-44-33" (Sec. 33, T 8 S, R 24 E)

Bonanza
Topographic Quadrangle
Uintah County, Utah

August 5, 2008

Prepared by Stephen D. Sandau
Paleontologist for
Intermountain Paleo-Consulting
P. O. Box 1125
Vernal, Utah 84078

INTRODUCTION

At the request of Al Arlian of Enduring Resources and authorized by the BLM Vernal Field Office, a paleontological reconnaissance survey of Enduring's proposed well pad, access road and pipeline for "Coyote Wash #8-24-44-33" (Sec. 33, T 8 S, R 24 E) was conducted by Simon Masters and Dan Burk on July 30, 2008. The reconnaissance survey was conducted under the Utah BLM Paleontological Resources Use Permit #UT08-006C. This survey to locate, identify and evaluate paleontological resources was done to meet requirements of the National Environmental Policy Act of 1969 and other State and Federal laws and regulations that protect paleontological resources.

FEDERAL AND STATE REQUIREMENTS

As mandated by the US Department of the Interior Bureau of Land Management, paleontologically sensitive geologic formations in BLM lands that are considered for exchange or may be impacted due to ground disturbance require paleontological evaluation. This requirement complies with:

1) The National Environmental Policy Act of 1969 (NEPA) (42 U.S.C. 4321.et. Seq., P.L. 91-190);

2) The Federal Land Policy and Management Act (FLPMA) of 1976 (90 Stat. 2743, 43 U.S.C. § 1701-1785, et. Seq., P.L. 94-579);

The new Potential Fossil Yield Classification (PFYC) System (October, 2007) replaces the Condition Classification System from Handbook H-8270-1. Geologic units are classified based on the relative abundance of vertebrate fossils or scientifically significant invertebrate or plant fossils and their sensitivity to adverse impacts, with a higher class number indicating a higher potential.

- ***Class 1*** **– Very Low**. Geologic units (igneous, metamorphic, or Precambrian) not likely to contain recognizable fossil remains.
- ***Class 2*** **– Low.** Sedimentary geologic units not likely to contain vertebrate fossils or scientifically significant non-vertebrate fossils. (Including modern eolian, fluvial, and colluvial deposits etc…)
- ***Class 3*** **– Moderate or Unknown.** Fossiliferous sedimentary geologic units where fossil content varies in significance, abundance, and predictable occurrence; or sedimentary units of unknown fossil potential.
    - ***Class 3a*** **– Moderate Potential.** The potential for a project to be sited on or impact a significant fossil locality is low, but is somewhat higher for common fossils.
    - ***Class 3b*** **– Unknown Potential.** Units exhibit geologic features and preservational conditions that suggest significant fossils could be present, but little information about the paleontological resources of the unit or the area is known.

- ***Class 4* – High.** Geologic units containing a high occurrence of vertebrate fossils or scientifically significant invertebrate or plant fossils, but may vary in abundance and predictability.
    - ***Class 4a*** – Outcrop areas with high potential are extensive (greater than two acres) and paleontological resources may be susceptible to adverse impacts from surface disturbing actions.
    - ***Class 4b*** – Areas underlain by geologic units with high potential but have lowered risks of disturbance due to moderating circumstances such as a protective layer of soil or alluvial material; or outcrop areas are smaller than two contiguous acres.
- ***Class 5* – Very High.** Highly fossiliferous geologic units that consistently and predictably produce vertebrate fossils or scientifically significant invertebrate or plant fossils.
    - ***Class 5a*** - Outcrop areas with very high potential are extensive (greater than two acres) and paleontological resources may be susceptible to adverse impacts from surface disturbing actions.
    - ***Class 5b*** - Areas underlain by geologic units with very high potential but have lowered risks of disturbance due to moderating circumstances such as a protective layer of soil or alluvial material; or outcrop areas are smaller than two contiguous acres.

It should be noted that many fossils, though common and unimpressive in and of themselves, can be important paleo-environmental, depositional, and chronostratigraphic indicators.

LOCATION

Enduring's proposed well pad, access road, and pipeline for "Coyote Wash #8-24-44-33" (Sec. 33, T 8 S, R 24 E) are on land managed by the BLM in the Sand Ridge area, less than a half mile west of Hwy 45 and approximately 4.5 miles north of Bonanza, Utah. The project area can be found on the Bonanza 7.5 minute U. S. Geological Survey Quadrangle Map, Uintah County, Utah.

PREVIOUS WORK

The basins of western North America have long produced some of the richest fossil collections in the world. Early Cenozoic sediments are especially well represented throughout the western interior. Paleontologists started field work in Utah's Uinta Basin as early as 1870 (Betts, 1871; Marsh, 1871, 1875a, 1875b). The Uinta Basin is located in the northeastern corner of Utah and covers approximately 31,000 sq. km (12,000 sq. miles) ranging in elevation from 1,465 to 2,130 m (4,800 to 7,000 ft) (Marsell, 1964; Hamblin et al., 1987). Middle to late Eocene time marked a period of dramatic change in the climate, flora, (Stucky, 1992) and fauna (Black and Dawson, 1966) of North America.

GEOLOGICAL AND PALEONTOLOGICAL OVERVIEW

Early in the geologic history of Utah, some 1,000 to 600 Ma, an east-west trending basin developed creating accommodation for 25,000 feet of siliclastics. Uplift of that filled-basin during the early Cenozoic formed the Uinta Mountains (Rasmussen et al., 1999). With the rise of the Uinta Mountains the asymmetrical synclinal Uinta Basin is thought to have formed through the effects of down warping in connection with the uplift. Throughout the Paleozoic and Mesozoic deposition fluctuated between marine and non-marine environments laying down a thick succession of sediments in the area now occupied by the Uinta Basin. Portions of these beds crop out on the margins of the basin due to tectonic events during the late Mesozoic.

Early Tertiary Uinta Basin sediments were deposited in alternating lacustrine and fluvial environments. Large shallow lakes periodically covered most of the basin and surrounding areas during early to mid Eocene time (Abbott, 1957). These lacustrine sediments show up in the western part of the basin, dipping 2-3 degrees to the northeast and are lost in the subsurface on the east side. The increase of cross-bedded, coarse-grained sandstone and conglomerates preserved in paleo-channels indicates a transition to a fluvial environment toward the end of the epoch.

Four Eocene formations are recognized in the Uinta Basin: the Wasatch, Green River, Uinta, and Duchesne River, respectively (Wood, 1941). The Uinta Formation is subdivided into two lithostratigraphic units namely: the Wagonhound Member (Wood, 1934), formerly known as Uinta A and B (Osborn, 1895, 1929) and the Myton Member previously regarded as the Uinta C.

Within the Uinta Basin in northeast Utah, the Uinta Formation in the western part of the basin is composed primarily of lacustrine sediments inter-fingering with over-bank deposits of silt and mudstone and westward flowing channel sands and fluvial clays, muds, and sands in the east (Bryant et al, 1990; Ryder et al, 1976). Stratigraphic work done by early geologists and paleontologists within the Uinta Formation focused on the definition of rock units and attempted to define a distinction between early and late Uintan faunas (Riggs, 1912; Peterson and Kay, 1931; Kay 1934). More recent work focused on magnetostratigraphy, radioscopic chronology, and continental biostratigraphy (Flynn, 1986; Prothero, 1996). Well-known for its fossiliferous nature and distinctive mammalian fauna of mid-Eocene Age, the Uinta Formation is the type formation for the Uintan Land Mammal Age (Wood et al, 1941).

The Duchesne River Formation of the Uinta Basin in northeastern Utah is composed of a succession of fluvial and flood plain deposits composed of mud, silt and sandstone. The source area for these late Eocene deposits is from the Uinta Mountains indicated by paleocurrent data (Anderson and Picard, 1972). In Peterson's (1931c) paper, the name "Duchesne Formation" was applied to the formation and it was later changed to the "Duchesne River Formation" by Kay (1934). The formation is divided up into four members: the Brennan Basin, Dry Gulch Creek, LaPoint, and Starr Flat (Anderson and Picard, 1972). Debates concerning the Duchesne River Formation, as to whether its age was late Eocene or early Oligocene, have surfaced throughout the literature of the last century (Wood et al., 1941; Scott 1945). Recent paleo-magnetostratigraphic work (Prothero, 1996) shows that the Duchesne River Formation is late Eocene in time.

FIELD METHODS

In order to determine if the proposed project area contained any paleontological resources, a reconnaissance survey was performed. An on-site observation of the proposed areas undergoing surficial disturbance is necessary because judgments made from topographic maps alone are often unreliable. Areas of low relief have potential to be erosional surfaces with the possibility of bearing fossil materials rather than surfaces covered by unconsolidated sediment or soils.

When found within the proposed construction areas, outcrops and erosional surfaces were checked to determine if fossils were present and to assess needs. Careful effort is made during surveys to identify and evaluate significant fossil materials or fossil horizons when they are found. Microvertebrates, although rare, are occasionally found in anthills or upon erosional surfaces and are of particular importance.

PROJECT AREA

The project area is situated in the Wagonhound Member (Uinta A & B) of the Uinta Formation. The proposed pipeline for "Coyote Wash #8-24-44-33" begins in the NE/NE quarter-quarter section of Sec. 4, T 9 S, R 24 E and travels northwest about 500 feet before joining the proposed access road at the SE/SE quarter-quarter section of Sec. 33, T 8 S, R 24 E (Figure 1). They then continue northeast for about 700 feet before entering the proposed well pad on the southwestern side of the pad. The area is covered in sandy colluvium derived from the Wagonhound Member with fragments of gilsonite in the colluvium. No fossils were found.

SURVEY RESULTS

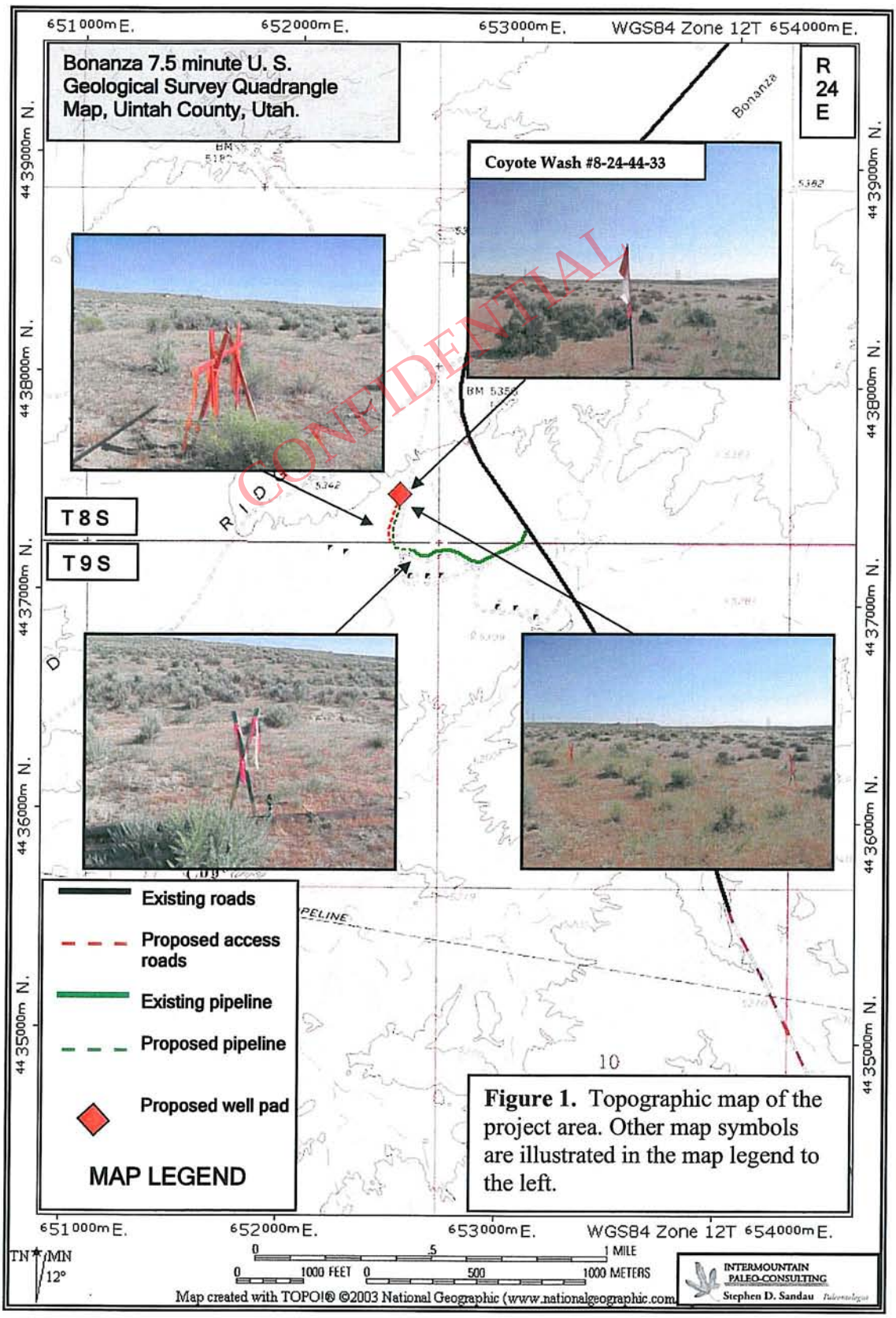
PROJECT	GEOLOGY	PALEONTOLOGY
"Coyote Wash #8-24-44-33" (Sec. 33, T 8 S, R 24 E)	The area is covered in sandy colluvium derived from the Wagonhound Member with fragments of gilsonite in the colluvium.	No fossils were found. **Class 3a**

RECOMMENDATIONS

A reconnaissance survey was conducted for Enduring's proposed well pad, access road and pipeline for "Coyote Wash #8-24-44-33" (Sec. 33, T 8 S, R 24 E). The well pad, access road and pipeline covered in this report showed no signs of vertebrate fossils. Therefore, we recommend that no paleontological restrictions should be placed on the development of the projects included in this report.

Buried pipeline will encounter Uinta formational sediments along most of the staked pipeline corridors yet indications from surface fossils predict that little if any vertebrate fossils will be disturbed.

Nevertheless, if any vertebrate fossil(s) are found during construction within the project area, Operator (Lease Holder) will report all occurrences of paleontological resources discovered to a geologist with the Vernal Field Office of the BLM. The operator is responsible for informing all persons in the areas who are associated with this project of the requirements for protecting paleontological resources. Paleontological resources found on the public lands are recognized by the BLM as constituting a fragile and nonrenewable scientific record of the history of life on earth, and so represent an important and critical component of America's natural heritage. These resources are afforded protection under 43 CFR 3802 and 3809, and penalties possible for the collection of vertebrate fossils are under 43 CFR 8365.1-5.


651000m E.
652000m E.
653000m E.
WGS84 Zone 12T 654000m E.
Bonanza 7.5 minute U. S. Geological Survey Quadrangle Map, Uintah County, Utah.
R 24 E
Coyote Wash #8-24-44-33
T8S
T9S
44 39000m N.
44 38000m N.
44 37000m N.
44 36000m N.
44 35000m N.
Existing roads
Proposed access roads
Existing pipeline
Proposed pipeline
Proposed well pad
MAP LEGEND
CONFIDENTIAL
Figure 1. Topographic map of the project area. Other map symbols are illustrated in the map legend to the left.
TN
MN
12°
1 MILE
1000 FEET
500
1000 METERS
Map created with TOPO!® ©2003 National Geographic (www.nationalgeographic.com)
INTERMOUNTAIN PALEO-CONSULTING
Stephen D. Sandau

REFERENCES CITED

Abbott, W., 1957, Tertiary of the Uinta Basin: Intermountain Assoc. Petroleum Geologists Guidebook, Eighth Ann. Field Conf., p. 102-109.

Anderson, D. W., and Picard, M. D., 1972, Stratigraphy of the Duchesne River Formation (Eocene-Oligocene?), northern Uinta Basin, northeastern Utah: Utah Geological and Mineralogical Survey Bulletin 97, p. 1-28.

Betts, C. W., 1871, The Yale College expedition of 1870: Harper's New Monthly Magazine, v. 43, p. 663-671.

Black, C. C. and Dawson, M. R., 1966, A Review of Late Eocene Mammalian Faunas from North America: American Journal of Science, v. 264, p. 321-349.

Bryant, B., Naeser C. W., Marvin R. F., Mahnert H. H., 1989, Cretaceous and Paleogene Sedimentary Rocks and Isotopic Ages of Paleogene Tuffs,Uinta basin, Utah. And Ages of Late Paleogene and Neogene Tuffs and the Beginning of Rapid Regional Extension, Eastern Boundary of the Basin and Range Province near Salt lake City, Utah: In: Evolution of Sedimentary basins-Uinta and Piceance Basins. U. S. Geological Survey Bulletin 1787-J, K.

Flynn, J. J., 1986, Correlation and geochronology of middle Eocene strata from the western United States: Palaeogeographic, Palaeoclimatology, Palaeoecology, v. 55, p. 335-406.

Hamblin, A. H. and Miller, W. E., 1987, Paleogeography and Paleoecology of the Myton Pocket, Uinta Basin, Utah (Uinta Formation-Upper Eocene): Brigham Young University Geology Studies, v. 34, p 33-60.

Kay, J. L., 1934, Tertiary formations of the Uinta Basin, Utah: Annals of Carnegie Museum, v. 23, p. 357-371.

Marsell, R. E., 1964, Geomorphology of the Uinta Basin-A Brief Sketch: Thirteenth annual Field Conference. Association of Petroleum Geologists, p. 34-46.

Marsh, O. C., 1871, on the geology of the Eastern Uintah Mountains: American Journal of Science and Arts, v. 1, p. 1-8.

_____ 1875a, Ancient lake basins of the Rocky Mountain region: American Journal of Science and Arts, v. 9, p. 49-52.

_____ 1875b, Notice of new Tertiary mammals, IV: American Journal of Science and Arts, Third Series, v. 9, p. 239-250.

Osborn, H. F., 1895, Fossil mammals of the Uinta beds, expedition of 1894: American Museum of Natural History Bulletin, v. 7, p. 71-106.

_____ 1929, The Titanotheres of Ancient Wyoming, Dakota and Nebraska: Monograph of the U. S. Geological Survey, v. 55, p. 1-953.

Peterson, O. A., 1931c, new species from the Oligocene of the Uinta: Annals of Carnegie Museum, v. 21, p. 61-78.

Peterson, O. A. and Kay, J. L., 1931, The Upper Uinta Formation of Northeastern Utah: Annals of the Carnegie Museum, v. 20, p. 293-306.

Prothero, D. R., 1996, Magnetic Stratigraphy and biostratigraphy of the middle Eocene Uinta Formation, Uinta Basin, Utah, *in* Prothero, D. R., and Emry, R. J. editors, The Terrestrial Eocene-Oligocene Transition in North America, p. 3-24.

Rasmussen, D. T., Conroy, G. C., Friscia, A. R., Townsend, K. E. and Kinkel, M. D., 1999, Mammals of the middle Eocene Uinta Formation: Vertebrate Paleontology of Utah, p. 401-420.

Riggs, E. S., 1912. New or Little Known Titanotheres from the Lower Uintah Formations: Field Museum of Natural History Geological Series, v. 159, p. 17-41.

Ryder, R. T., Fouch, T. D., Elison, J. H., 1976, Early Tertiary sedimentation in the western Uinta Basin, Utah: Geological Society of America Bulletin v. 87, p. 496-512.

Scott, W. B., 1945, The Mammalia of the Duchesne River Oligocene: Transactions of the American Philosophical Society, v. 34, p. 209-253.

Stucky, R. K., 1992, Mammalian faunas in North America of Bridgerian to early Arikareean "age" (Eocene and Oligocene), in Prothero, D. R., and Berggren, W. A., eds., Eocene-Oligocene climatic and biotic evolution: Princeton University Press, p. 464-493.

Wood, H. E., 1934, Revision of the Hyrachyidaes: American Museum of Natural History Bulletin, v. 67, p. 181-295.

_____ and others, 1941, Nomenclature and Correlation of the North America Continental Tertiary: Geol. Soc. Amer. Bull., v. 52, no. 1, Jan. 1, p. 1-48. 52, no. 1, Jan. 1, p. 1-48.

API Number: 4304750197

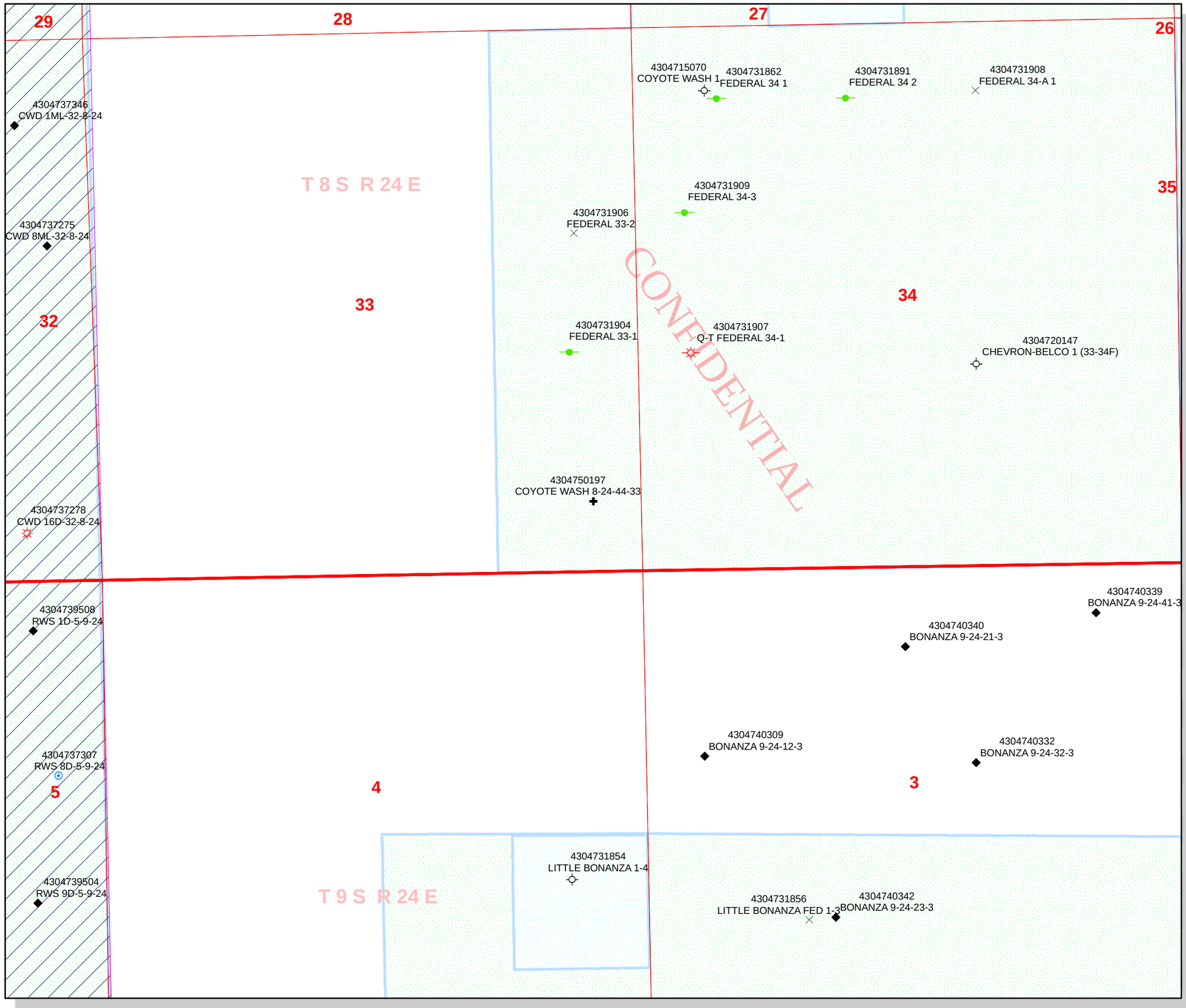
Well Name: COYOTE WASH 8-24-44-33

Township 08.0 S Range 24.0 E Section 33

Meridian: SLBM

Operator: ENDURING RESOURCES, LLC

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
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- COMBINED
- Sections
- Township

Wells Query Events
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- GS
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- SGW
- SOW
- TA
- TW
- WD
- WI
- WS

1,300 650 0 1,300 Feet

1:12,000

'APIWellNo:43047501970000'

JON M. HUNTSMAN, JR.
Governor
GARY R. HERBERT
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: COYOTE WASH 8-24-44-33
API Well Number: 43047501970000
Lease Number: UTU-58725
Surface Owner: FEDERAL
Approval Date: 12/30/2008

Issued to:
Enduring Resources, LLC, 475 17th Street, Suite 1500, 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 R649-3-2.

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

Commingle:
Administrative approval for commingling the production from the Wasatch formation and the Mesaverde formation in this well is hereby granted. Appropriate information has been submitted to DOGM in accordance with R649-3-22. No written objections from owners were received by DOGM.

General:
Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:
State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

Notification Requirements:
Notify the Division with 24 hours of spudding the well.
- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.
- Contact Dustin Doucet at (801) 538-5281 office (801) 733-0983 home

API Well No: 43047501970000

Reporting Requirements:
All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

Approved By:

For Gil Hunt
Associate Director, Oil & Gas

API Well No: 43047501970000

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-58725

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: COYOTE WASH 8-24-44-33

2. NAME OF OPERATOR: Enduring Resources, LLC

9. API NUMBER: 43047501970000

3. ADDRESS OF OPERATOR: 475 17th Street, Suite 1500 , Denver, CO, 80202 **PHONE NUMBER:** 303 350-5114 Ext

9. FIELD and POOL or WILDCAT: NORTH BONANZA

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0686 FSL 0477 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 33 Township: 08.0S Range: 24.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 12/30/2009	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ 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.

Request an one-year extension to APD term.

Approved by the Utah Division of Oil, Gas and Mining

Date: December 31, 2009

By: Dustin Doucet

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Alvin Arlian	303 350-5114	Landman-Regulatory
SIGNATURE		**DATE**
N/A		12/29/2009

RECEIVED December 29, 2009

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 43047501970000

API: 43047501970000
Well Name: COYOTE WASH 8-24-44-33
Location: 0686 FSL 0477 FEL QTR SESE SEC 33 TWNP 080S RNG 240E MER S
Company Permit Issued to: ENDURING RESOURCES, LLC
Date Original Permit Issued: 12/30/2008

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**

Approved by the Utah Division of Oil, Gas and Mining

Signature: Alvin Arlian **Date:** 12/29/2009
Title: Landman-Regulatory **Representing:** ENDURING RESOURCES, LLC

Date: December 31, 2009
By: Dustin Doucet

RECEIVED December 29, 2009

RECEIVED
OCT 23 2008
BLM

Form 3160-3
(August 2007)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

CONFIDENTIAL

1a. Type of Work: ☐ DRILL ☐ REENTER	5. Lease Serial No. UTU58725
	6. If Indian, Allottee or Tribe Name
	7. If Unit or CA Agreement, Name and No.
1b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other ☐ Single Zone ☒ Multiple Zone	8. Lease Name and Well No. COYOTE WASH 8-24-44-33
2. Name of Operator ENDURING RESOUCES LLC Contact: AL ARLIAN E-Mail: aarlian@enduringresources.com	9. API Well No. 43-047-50197
3a. Address 475 17TH STREET, SUITE 1500 DENVER, CO 80202 3b. Phone No. (include area code) Ph: 303-350-5114 Fx: 303-573-0461	10. Field and Pool, or Exploratory UNDESIGNATED
4. Location of Well *(Report location clearly and in accordance with any State requirements.*)* At surface SESE 686FSL 477FEL 40.04250 N Lat, 109.12410 W Lon At proposed prod. zone SESE 686FSL 477FEL 40.04250 N Lat, 109.12410 W Lon	11. Sec., T., R., M., or Blk. and Survey or Area Sec 33 T8S R24E Mer UBM
14. Distance in miles and direction from nearest town or post office* 3.5 MILES SOUTHWEST OF BONANZA, UT	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) 477 16. No. of Acres in Lease 17. Spacing Unit dedicated to this well 40.00	
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 1000' + 19. Proposed Depth 13460 MD 13460 TVD 20. BLM/BIA Bond No. on file UTB000173	
21. Elevations (Show whether DF, KB, RT, GL, etc. 5277 KB 22. Approximate date work will start 03/30/2009 23. Estimated duration 30 DAYS	

24. Attachments

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

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
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 authorized officer.

25. Signature (Electronic Submission)	Name (Printed/Typed) AL ARLIAN Ph: 303-350-5114	Date 10/23/2008
Title LANDMAN		
Approved by (Signature)	Name (Printed/Typed) James H. Sparger	Date MAY 21 2010
Title ACTING Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

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

CONDITIONS OF APPROVAL ATTACHED

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

RECEIVED
JUN 10 2010
DIV. OF OIL, GAS & MINING

Electronic Submission #64127 verified by the BLM Well Information System
For ENDURING RESOUCES LLC, sent to the Vernal
Committed to AFMSS for processing by GAIL JENKINS on 10/24/2008 (09GXJ0467AE)

NOS 1/24/08

AFMSS# 08GXJ5472AE

NOTICE OF APPROVAL

UDOGM

* BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

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:	**Enduring Resources LLC**	**Location:**	**SESE, Sec. 33, T8S, R24E**
Well No:	**Coyote Wash 8-24-44-33**	**Lease No:**	**UTU-58725**
API No:	**43-047-50197**	**Agreement:**	**N/A**

OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

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

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

NOTIFICATION REQUIREMENTS

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

SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)

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

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

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

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

SITE SPECIFIC COAs:

1. Wildlife and T&E Species:
   Lands in this lease have been identified as crucial habitat for sage grouse and pronghorn, primary management zone for black-footed ferret (PMZ) and habitat for other wildlife. Therefore, modifications to the Surface Use Plan of Operations will be required in order to protect this wildlife habitat from surface disturbing activities (see below).

   Observe the timing restrictions given below (Only during construction & drilling).

   TIME RESTRICTIONS REASONS

   May 15 – June 20..... *crucial year long pronghorn habitat*

   During this period, there will be no construction, drilling, fracing, or completion operations in order to minimize surface disturbance within crucial pronghorn habitat.

2. Transportation:
   - All roads will be constructed to Gold Book standard
   - Limit use of roads by heavy equipment during the periods when the roads are muddy.
   - Operator will perform normal operational winter maintenance: roads will be plowed to allow safe navigation. And if snow is heavy, plows will provide breaks in the snow piled berms to allow free movement of wildlife across all roads.

3. Noxious Weeds:
   - Power-wash all construction equipment before commencing construction activities in order to eliminate noxious weeds

4. Geology and Minerals, and Fee Surface:
   - Coordinate your construction and drilling operations with the holders of the Gilsonite lease in order to:
     - Obtain Private Landowner Surface Use Agreement for access roads and pipelines
     - Avoid mineral development conflict.

5. Restrictions for placement of surface pipelines:
   - Surface pipelines will be placed 5-10 feet outside of the borrow area.
   - Surface pipelines will be placed in such a way that they would not wander into the borrow area.
   - Pipelines will be buried at all major road and drainage crossings.

6. Paint all facilities Covert green within six months of installation, except those facilities which are required to comply with the Occupational Safety and Health Act (OSHA).

7. INTERIM RECLAMATION

   - Interim reclamation of the surface environment should take place after drilling and completion and the well is placed into production. At a minimum, this will include the stabilization of the soil surface during construction, re-contouring of the unused pad area and the reserve pit to the original contour, to the extent possible; and the re-spreading of the top soil up to the rig anchor points and any area not needed for production. Buried pipelines will be re-contoured, the salvaged topsoil redistributed and reseeded. The outside borrow of the access road will have the top soil salvaged and re-spread and reseeded. The area will be reseeded using appropriate seeding methods, which includes, but is not limited to, the drill seeding method (see below). Any adjustments, due to site specific production concerns: the reclamation COAs in this document can be submitted on Sundry form 3160-5.

   - The reclamation objective is to establish a desired self-perpetuating diverse plant community. The objective is to attain **75% basal cover** based on similar undisturbed adjacent native vegetative community, and comprised of desired species and/or seeded species within 5 years of initial reclamation action. However if after three (3) growing seasons there is less than **30%** of the basal cover based on similar undisturbed native vegetative community, then the Authorized Officer may require additional seeding efforts.

   - Topsoil will be segregated from the subsoil (without mixing them), stockpiled separately from other soil materials, and maintained for future use in rehabilitating the locations.

   - Topsoil piles stored beyond one growing season will be stabilized and seeded to prevent erosion.

   - Topsoil storage areas will be identified with appropriate signage, so it is easily identifiable where topsoil is on location.

- Noxious and invasive weeds will be inventoried and monitored. Noxious and invasive weeds will be controlled through integrated weed management including chemical, mechanical, and biological control methods. An approved Pesticide Use Proposal (PUP) is required for all herbicide applications.

- Earth work for interim and final reclamation must be completed within 6 months following well completion or well plugging (weather permitting).

- Salvaged topsoil will be re-distributed evenly, and to pre-disturbance depths, over the surfaces to be re-vegetated.

- The soil surface will be prepared to provide a seedbed for re-establishment of desirable vegetation. Site preparation may include gouging, scarifying, dozer track-walking, mulching, hydro mulching, contour furrowing, water terracing, fertilizing, disking, soil additives or other approved methods. The seedbed preparations will be determined to accomplish the reclamation objectives above.

- The seeding contractor will provide all seed tags to the appropriate SMA prior to seeding efforts.

- Seeding will occur after August 15 and prior to winter freezing of the soil.

- Drill seeding will be used except in areas where topography or substrate composition (rock) precludes the use of the drill. If drill seeding is not possible, broadcast seeding will be implemented. If the broadcast method is used (such as on slopes of 40 percent or greater), the seed rates established for drill seeding will be doubled and seed will be immediately covered to prevent seed desiccation or predation by birds or rodents. The seeds could be covered in several ways including spreading and crimping straw over the seeded area, raking the area by hand, or dragging a chain or chain-linked fence over the seeded area.

- Any altered drainages or water courses will be stabilized trough rip rap, berming, seeding, matting, or other approve methods, and would be reconstructed to have the characteristics and features of nearby functional drainages. Any disturbance to "dashed line" drainages as depicted on USGS 1:24,000 topographic maps would be coordinated with the corps of engineers prior to disturbance.

8. FINAL RECLAMATION:

- Final Reclamation will be similar to interim reclamation except, all disturbance associated with the well location, access road and pipeline will be reclaimed. The seed mix may include more shrubs and native species. The visual composition will be reestablished to blend with the natural surroundings through re-contouring and reseeding.

- After pipeline installation is complete, all disturbed areas will be reseeded. The seed mixtures to be used will be similar to the vegetation of the surrounding areas and may consist of grasses, forbs, or shrubs. A recommended seed mixture is provided in the table below.

9. MONITORING – RECLAMATION:

- The initial monitoring report will include but is not limited to: when the re-contouring and seeding was completed. The seed applied, the amounts, and the depth of application. Seedbed preparation such as disking , mulching, etc. Seed application such as drilling or broadcast seeding. Are there any soil amendments, fertilizers, watering, etc. The amounts of noxious and invasive weeds. Are any fencing requirements needed?

- Prior to any surface disturbance, vegetative monitoring locations and reference sites will be identified by the operator and approved by the BLM Authorized Officer.

- Vegetation monitoring protocol will be developed by the operator and approved by the BLM Authorized Officer prior to implementation of re-vegetation techniques and will be designed to monitor % basal vegetative cover.

- Reclamation areas will be inspected annually and monitored to document location and extent of areas with successful re-vegetation. Monitoring will continue until the site is considered a success by the authorized officer and the objectives established in the Green River District Guidelines. A reclamation report will be submitted electronically to the Authorized Officer by March 31 of each year.

- On Federal lands, the reclamation objective will be a vegetation community that within 5 years is comprised of desired and/or seeded species, where the basal vegetative cover is 75 percent of a similar undisturbed adjacent native vegetation community. If after 3 years basal cover is less than 30 percent, then additional seeding and reclamation efforts may be required.

Seed mix - Interim Reclamation:

Common name	**Latin name**	**lbs/acre**	**Recommended seed planting depth (inches)**
needle & thread grass	*Stipa comata*	3	1.5 - 3
Black sagebrush	*Artemisia nova*	2	0.5-1
Indian rice grass	*Achnatherum hymenoides*	3	1.5 - 3
rabbitbrush	*Chryothamnus nauseosus*	3	0.5 - 1
hycrest crested wheatgrass	*Agropyron cristayum/Agropyron desertorum hybrid*	4	0.5 – 0.75

Seed mix - Final Reclamation: (May be amended at the time of well final abandonment)

Common name	Latin name	lbs/acre	Recommended seed planting depth (inches)
Indian rice grass	*Achnatherum hymenoides*	3	1.5 - 3
needle & thread grass	*Stipa comata*	3	1.5 - 3
Black sagebrush	*Artemisia nova*	2	0.5-1
rabbit brush	*Chryothamnus nauseosus*	3	0.5 - 1
greasewood	*Sarcobactus vermiculatus*	2	1/4 – 1/2

- All pounds are pure live seed.
- All seed and mulch will be certified weed free.
- Rates are set for drill seeding; double rate if broadcasting.
- Reseeding may be required if initial seeding is not successful.

DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)

SITE SPECIFIC DOWNHOLE COAs:

-

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

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

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

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

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

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

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

- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_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.

- 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.

API Well No: 43047501970000

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-58725

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
COYOTE WASH 8-24-44-33

2. NAME OF OPERATOR:
Enduring Resources, LLC

9. API NUMBER:
43047501970000

3. ADDRESS OF OPERATOR:
475 17th Street, Suite 1500 , Denver, CO, 80202

PHONE NUMBER:
303 350-5114 Ext

9. FIELD and POOL or WILDCAT:
NORTH BONANZA

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
0686 FSL 0477 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SESE Section: 33 Township: 08.0S Range: 24.0E Meridian: S

COUNTY:
UINTAH

STATE:
UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 12/30/2010	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
☐ SPUD REPORT Date of Spud:	☐ 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
☐ DRILLING REPORT Report Date:	☐ 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.

Request for an one-year extension to APD termination date.

Approved by the Utah Division of Oil, Gas and Mining

Date: 12/30/2010

By: 

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Alvin Arlian	303 350-5114	Landman-Regulatory
SIGNATURE		**DATE**
N/A		12/28/2010

RECEIVED December 28, 2010

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 43047501970000

API: 43047501970000
Well Name: COYOTE WASH 8-24-44-33
Location: 0686 FSL 0477 FEL QTR SESE SEC 33 TWNP 080S RNG 240E MER S
Company Permit Issued to: ENDURING RESOURCES, LLC
Date Original Permit Issued: 12/30/2008

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**

Approved by the Utah Division of Oil, Gas and Mining

Signature: Alvin Arlian **Date:** 12/28/2010
Title: Landman-Regulatory **Representing:** ENDURING RESOURCES, LLC

Date: 12/30/2010

By: Dustin Doucet

RECEIVED December 28, 2010

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-58725

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: COYOTE WASH 8-24-44-33

2. NAME OF OPERATOR: Enduring Resources, LLC

9. API NUMBER: 43047501970000

3. ADDRESS OF OPERATOR: 511-16th Street, Suite 700 , Denver, CO, 80202

PHONE NUMBER: 303 350-5114 Ext

9. FIELD and POOL or WILDCAT: NORTH BONANZA

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0686 FSL 0477 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 33 Township: 08.0S Range: 24.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 12/30/2011	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ 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
☐ SPUD REPORT Date of Spud:	☐ 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
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	✓ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

Request an one-year extension to APD expiration date.

Approved by the Utah Division of Oil, Gas and Mining

Date: 01/03/2012

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Alvin Arlian	303 350-5114	Landman-Regulatory
SIGNATURE N/A		**DATE** 12/27/2011

RECEIVED Dec. 27, 2011

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 43047501970000

API: 43047501970000
Well Name: COYOTE WASH 8-24-44-33
Location: 0686 FSL 0477 FEL QTR SESE SEC 33 TWNP 080S RNG 240E MER S
Company Permit Issued to: ENDURING RESOURCES, LLC
Date Original Permit Issued: 12/30/2008

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: Alvin Arlian **Date:** 12/27/2011
Title: Landman-Regulatory **Representing:** ENDURING RESOURCES, LLC

RECEIVED Dec. 27, 2011

Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
APR 02 2012
BLM

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

5. Lease Serial No.
UTU58725

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
COYOTE WASH 8-24-44-33

2. Name of Operator
ENDURING RESOURCES, LLC
Contact: ALVIN (AL) R. ARLIAN
E-Mail: aarlian@enduringresources.com

9. API Well No.
43-047-50197

3a. Address
475-17TH STREET, SUITE 1500
DENVER, CO 80202

3b. Phone No. (include area code)
Ph: 303-350-5114
Fx: 303-573-0461

10. Field and Pool, or Exploratory
UNDESIGNATED

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 33 T8S R24E Mer SLB SESE 686FSL 477FEL
40.042542 N Lat, 109.124078 W Lon

11. County or Parish, and State
UINTAH COUNTY, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Change to Original PD
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Request a two-year extension of APD expiration date:

FROM: 05-21-2012
TO: 05-21-2014

VERNAL FIELD OFFICE
ENG. Robert A 5/11/12
GEOL.
E.S.
PET.
RECL.

CONDITIONS OF APPROVAL ATTACHED

14. I hereby certify that the foregoing is true and correct.
Electronic Submission #134550 verified by the BLM Well Information System
For ENDURING RESOURCES, LLC, sent to the Vernal
Committed to AFMSS for processing by ROBIN R. HANSEN on 05/08/2012 ()

Name *(Printed/Typed)* ALVIN (AL) R. ARLIAN — Title REGULATORY SPECIALIST

Signature (Electronic Submission) — Date 04/02/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By — Title Assistant Field Manager Lands & Mineral Resources — Date MAY 14 2012

Conditions of approval, if any, are attached. Approval of this notice 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.

Office VERNAL FIELD OFFICE

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.

RECEIVED
JUN 11 2012
DIV. OF OIL, GAS & MINING

UDOGM

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

CONDITIONS OF APPROVAL

Enduring Resources, LLC

Notice of Intent
APD Extension

Lease: UTU-58725
Well: Coyote Wash 8-24-44-33
Location: SESE Sec 33 T8S R24E

An extension for the referenced APD is granted with the following conditions:

---

1. The extension and APD shall expire on 05/21/2014.

2. No other extension shall be granted.

If you have any other questions concerning this matter, please contact Robin L Hansen of this office at (435) 781-2777

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-58725

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
COYOTE WASH 8-24-44-33

2. NAME OF OPERATOR:
Enduring Resources, LLC

9. API NUMBER:
43047501970000

3. ADDRESS OF OPERATOR:
511-16th Street, Suite 700 , Denver, CO, 80202

PHONE NUMBER:
303 350-5114 Ext

9. FIELD and POOL or WILDCAT:
NORTH BONANZA

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
0686 FSL 0477 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SESE Section: 33 Township: 08.0S Range: 24.0E Meridian: S

COUNTY:
UINTAH

STATE:
UTAH

11.

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

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 12/30/2012	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	✓ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

Request an one-year extension to APD expiration date.

Approved by the Utah Division of Oil, Gas and Mining

Date: January 07, 2013

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Alvin Arlian	303 350-5114	Landman-Regulatory

SIGNATURE	DATE
N/A	1/3/2013

RECEIVED: Jan. 03, 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 43047501970000

API: 43047501970000
Well Name: COYOTE WASH 8-24-44-33
Location: 0686 FSL 0477 FEL QTR SESE SEC 33 TWNP 080S RNG 240E MER S
Company Permit Issued to: ENDURING RESOURCES, LLC
Date Original Permit Issued: 12/30/2008

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: Alvin Arlian **Date:** 1/3/2013
Title: Landman-Regulatory **Representing:** ENDURING RESOURCES, LLC

RECEIVED: Jan. 03, 2013

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-58725

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
COYOTE WASH 8-24-44-33

2. NAME OF OPERATOR:
Enduring Resources, LLC

9. API NUMBER:
43047501970000

3. ADDRESS OF OPERATOR:
511-16th Street, Suite 700 , Denver, CO, 80202

PHONE NUMBER:
303 350-5114 Ext

9. FIELD and POOL or WILDCAT:
NORTH BONANZA

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
0686 FSL 0477 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SESE Section: 33 Township: 08.0S Range: 24.0E Meridian: S

COUNTY:
UINTAH

STATE:
UTAH

11.

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

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 12/30/2013	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	✓ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

Request for an one-year extension to APD expiration date.

Approved by the Utah Division of Oil, Gas and Mining

Date: December 30, 2013

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Alvin Arlian	303 350-5114	Landman-Regulatory
SIGNATURE		**DATE**
N/A		12/26/2013

RECEIVED: Dec. 26, 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 43047501970000

API: 43047501970000
Well Name: COYOTE WASH 8-24-44-33
Location: 0686 FSL 0477 FEL QTR SESE SEC 33 TWNP 080S RNG 240E MER S
Company Permit Issued to: ENDURING RESOURCES, LLC
Date Original Permit Issued: 12/30/2008

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.

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- **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: Alvin Arlian **Date:** 12/26/2013
Title: Landman-Regulatory **Representing:** ENDURING RESOURCES, LLC

RECEIVED: Dec. 26, 2013

GARY R. HERBERT
Governor
SPENCER J. COX
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES
MICHAEL R. STYLER
Executive Director
Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

December 11, 2014

Al Arlian
Enduring Resources, LLC
511-16TH Street, Suite 700
Denver, CO 80202

Re: APDs Rescinded for Enduring Resources, LLC, Uintah County

Dear Mr. Arlian:

Enclosed find the list of APDs that you asked to be rescinded. No drilling activity at these locations has been reported to the division. Therefore, approval to drill these wells is hereby rescinded.

A new APD must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

Diana Mason
Environmental Scientist

cc: Well File
Bureau of Land Management, Vernal

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

UTAH DNR OIL, GAS & MINING

43-047-38908 BUCK CAMP CYN 12-22-43-3
43-047-38909 BUCK CAMP CYN 12-22-31-3
43-047-38930 BUCK CAMP CYN 12-22-44-3
43-047-50197 COYOTE WASH 8-24-44-33
43-047-35906 BUCK CAMP 12-21-41-24
43-047-35907 BONANZA 9-23-42-11
43-047-35925 BONANZA 9-24-11-35
43-047-35914 SOUTHMAN CYN 9-24-24-30
43-047-35919 BONANZA 9-23-33-12
43-047-35952 BONANZA 9-24-24-8
43-047-37162 EAST BENCH 11-22-21-17
43-047-37164 E BENCH 11-22-44-17
43-047-37185 BONANZA 9-24-12-26
43-047-38665 BUCK CAMP CYN 11-22-32-28
43-047-38668 BUCK CAMP CYN 11-22-34-28
43-047-40343 HANGING ROCK 11-24-11-31
43-047-40351 HANGING ROCK 11-24-14-30
43-047-39196 HANGING ROCK 11-24-14-31

Diana Mason <dianawhitney@utah.gov>

Expired APD

Travis Whitham <TWhitham@enduringresources.com> Fri, Jan 30, 2015 at 7:58 AM
To: "dianawhitney@utah.gov" <dianawhitney@utah.gov>
Cc: Al Arlian <AArlian@enduringresources.com>

Diana,

Enduring Resources will not be requesting an extension of the following APD:

ENDURING RESOURCES, LLC	4304750197	COYOTE WASH 8-24-44-33	DRILL	12/30/2008	12/30/2014

Thank you,

Travis Whitham

Landman

303-350-5716

GARY R. HERBERT
Governor
SPENCER J. COX
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES
MICHAEL R. STYLER
Executive Director
Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

February 5, 2015

Travis Whitham
Enduring Resources, LLC
511-16th Street, Suite 700
Denver, CO 80202

Re: APD Rescinded – Coyote Wash 8-24-44-33, Sec. 33, T. 8S, R. 24E
Uintah County, Utah API No. 43-047-50197

Dear Mr. Whitham:

The Application for Permit to Drill (APD) for the subject well was approved by the Division of Oil, Gas and Mining (Division) on December 30, 2008. On December 31, 2009, December 30, 2010, January 3, 2012, January 7, 2013 and December 30, 2013 the Division granted a one-year APD extension. On January 30, 2015, you requested that the division rescind the state approved APD. No drilling activity at this location has been reported to the division. Therefore, approval to drill the well is hereby rescinded, effective January 30, 2015.

A new APD must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

Diana Mason
Environmental Scientist

cc: Well File
Bureau of Land Management, Vernal

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

UTAH DNR
OIL, GAS & MINING