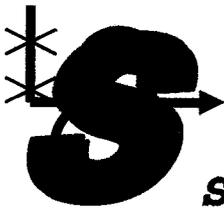


004



**Slate River Resources, LLC**

1600 Broadway, Suite 900  
Denver, Colorado 80202

Page 1 of 1

February 18, 2005  
Corrected March 2, 2005

Ms. Diana Whitney  
Utah Division of Oil, Gas & Mining  
P.O. Box 145801  
Salt Lake City, UT 84114-5801

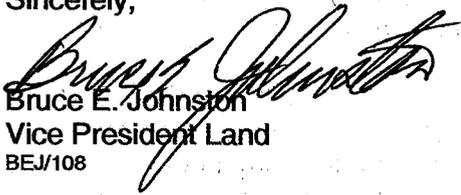
Re: Exception Location  
Utah Oil Shales 1321-8A  
T13S-R21E  
Sec 8: NE/4NE/4 (650' FNL, 313' FEL)  
Uintah County, Utah  
Agency Draw Prospect

Dear Ms. Whitney:

Slate River Resources, LLC is a newly formed oil and gas exploration company made up of ex-Westport employees that have been active in the Uinta Basin. Slate River and our partner Mustang Fuel Corporation propose drilling the captioned well. The well is an exception to Rule 649-3-2 because of topography. Slate River and Mustang own the offset leasehold and do not have an objection to the exception location.

The survey plats and application are being sent to you from Vernal. Please approve the request for a well permit at your convenience.

Sincerely,

  
Bruce E. Johnston  
Vice President Land  
BEJ/108

**RECEIVED**

**MAR 04 2005**

**DIV. OF OIL, GAS & MINING**

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

FORM 3

AMENDED REPORT   
(highlight changes)

<b>APPLICATION FOR PERMIT TO DRILL</b>				FEE	5. MINERAL LEASE NO: <b>UT10002-00</b>	6. SURFACE: Fee
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>					7. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
B. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>					8. UNIT or CA AGREEMENT NAME:	
2. NAME OF OPERATOR: <b>SLATE RIVER RESOURCES, LLC</b>					9. WELL NAME and NUMBER: <b>UTAH OIL SHALES 1321-8A</b>	
3. ADDRESS OF OPERATOR: <b>418 E. MAIN ST</b> CITY <b>VERNAL</b> STATE <b>UT</b> ZIP <b>84078</b>				PHONE NUMBER: <b>(435) 781-1871</b>	10. FIELD AND POOL, OR WILDCAT: <i>Widdow</i>	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: <b>650' FNL &amp; 313' FEL</b> AT PROPOSED PRODUCING ZONE: <b>SAME AS ABOVE</b>					11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NENE 8 13S 21E</b>	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: <b>73.8 MILES SOUTH OF VERNAL, UT</b>					12. COUNTY: <b>UINTAH</b>	13. STATE: <b>UTAH</b>
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) <b>313'</b>		16. NUMBER OF ACRES IN LEASE: <b>2,278.69</b>		17. NUMBER OF ACRES ASSIGNED TO THIS WELL: <b>40</b>		
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) <b>2800'</b>		19. PROPOSED DEPTH: <b>8,000</b>		20. BOND DESCRIPTION: <b>B-001556</b>		
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): <b>5951.0' GR</b>		22. APPROXIMATE DATE WORK WILL START: <b>4/1/2005</b>		23. ESTIMATED DURATION: <b>30 DAYS</b>		

**24. PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT			
12 1/4	9 5/8	H-40	32#	2,000	CEMENT "V"	180 SKS	3.82CF	15.8PPG
					CEMENT "G"	225 SKS	1.15 CF	15.8 PPG
7 7/8	4 1/2	M-80	11.6#	8,000	PREMIUM CEMENT	140 SKS	3.82 CF	11.0 PPG
					CLASS "G"	580 SKS	1.26 CF	14.15 PPG

**25. ATTACHMENTS**

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

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER	<input checked="" type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) GINGER STRINGHAM TITLE AGENT

SIGNATURE *Ginger Stringham* DATE 3/11/2005

(This space for State use only)

API NUMBER ASSIGNED: 43-047-36374

APPROVAL: \_\_\_\_\_

**CONFIDENTIAL**

**RECEIVED**  
**MAR 09 2005**

DIV. OF OIL, GAS & MINING

# T13S, R21E, S.L.B.&M.

# SLATE RIVER RESOURCES, LLC

Found 1920  
Brass Cap 1.7'  
Above Ground

Found 1920  
Brass Cap

S89°56'W - 79.88 (G.L.O.)

N89°58'23"W - 2635.95' (Meas.)

S89°40'50"W - 2632.17' (Meas.)

Found 1920 Brass  
Cap in pile of  
stones 2.0' Above  
Ground

650'  
313'

**WELL LOCATION:  
UTAH OIL SHALES 1321-8A**

ELEV. UNGRADED GROUND = 5951.6'

Found 1920  
Brass Cap

8

Found Rebar in  
center of pile  
of stones

Found 1920  
Brass Cap

S89°55'W - 79.94 (G.L.O.)

WELL LOCATION, UTAH OIL SHALES  
1321-8A, LOCATED AS SHOWN IN THE  
NE 1/4 NE 1/4 OF SECTION 8, T13S,  
R21E, S.L.B.&M. UINTAH COUNTY, UTAH.

**NOTES:**

1. Well footages are measured at right angles to the Section Lines.
2. 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

## TIMBERLINE LAND SURVEYING, INC.

38 WEST 100 NORTH. - VERNAL, UTAH 84078  
(435) 789-1365

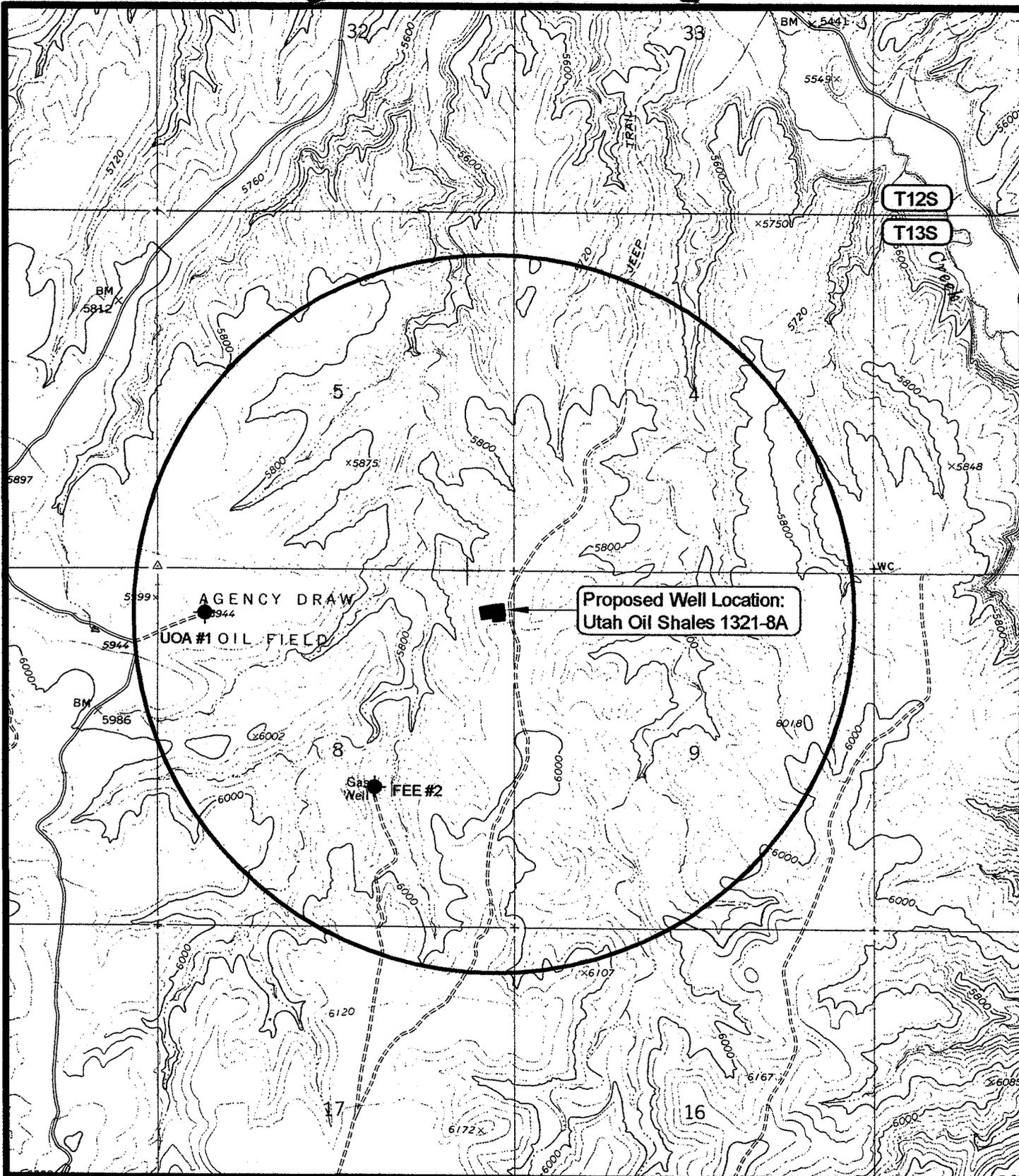
DATE SURVEYED: 2-17-05	SURVEYED BY: K.K.	<b>SHEET</b> <b>1</b> <b>OF 10</b>
DATE DRAWN: 2-23-05	DRAWN BY: J.R.S.	
SCALE: 1" = 1000'		Date Last Revised:

▲ = SECTION CORNERS LOCATED

BASIS OF ELEVATION IS BENCH MARK 66 WF 1952  
LOCATED IN THE NE 1/4 OF SECTION 6, T13S, R21E,  
S.L.B.&M. THE ELEVATION OF THIS BENCH MARK IS  
MARKED ON THE AGENCY DRAW NE 7.5 MIN.  
QUADRANGLE AS BEING 5812'.

**UTAH OIL SHALES 1321-8A**  
**(Proposed Well Head)**  
**NAD 83 Autonomous**

LATITUDE = 39° 42' 23.9"  
LONGITUDE = 109° 34' 57.7"



**LEGEND**

- ∅ = DISPOSAL WELL
- = PRODUCING WELL
- = SHUT IN WELL
- ∅ = WATER WELL
- = ABANDONED WELL
- = TEMPORARILY ABANDONED WELL

**TOPOGRAPHIC MAP "C"**

DATE SURVEYED: 2-17-05

DATE DRAWN: 2-23-05

SCALE: 1" = 2000'

DRAWN BY: J.R.S.

REVISED:

**SLATE RIVER RESOURCES, LLC**

**Utah Oil Shales 1321-8A  
SECTION 8, T13S, R21E, S.L.B.&M.  
650' FNL & 313' FEL**

**Timberline Land Surveying, Inc.**  
38 West 100 North Vernal, Utah 84078  
(435) 789-1365

**SHEET  
8  
OF 10**



001

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

FORM 3

AMENDED REPORT   
(highlight changes)

APPLICATION FOR PERMIT TO DRILL

FEE

1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>		5. MINERAL LEASE NO: <u>UT10002-00</u>	6. SURFACE: Fee
B. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>		7. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
2. NAME OF OPERATOR: SLATE RIVER RESOURCES, LLC		8. UNIT or CA AGREEMENT NAME:	
3. ADDRESS OF OPERATOR: 418 E. MAIN ST CITY VERNAL STATE UT ZIP 84078		PHONE NUMBER: (435) 781-1871	9. WELL NAME and NUMBER: UTAH OIL SHALES 1321-8A
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 650' FNL & 313' FEL AT PROPOSED PRODUCING ZONE: SAME AS ABOVE		621565x 39.706622 4395948y -109.581959	10. FIELD AND POOL, OR WLD/CAT: <u>Widdow</u> 11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENE 8 13S 21E
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 73.8 MILES SOUTH OF VERNAL, UT		12. COUNTY: UINTAH	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 313'	16. NUMBER OF ACRES IN LEASE: 2,278.69	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) 2800'	19. PROPOSED DEPTH: 8,000	20. BOND DESCRIPTION: B-001556	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5951.0' GR	22. APPROXIMATE DATE WORK WILL START: 4/1/2005	23. ESTIMATED DURATION: 30 DAYS	

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT		
12 1/4	9 5/8 H-40 32#	2,000	CEMENT "V"	180 SKS	3.82CF 15.8PPG
			CEMENT "G"	225 SKS	1.15 CF 15.8 PPG
7 7/8	4 1/2 M-80 11.6#	8,000	PREMIUM CEMENT	140 SKS	3.82 CF 11.0 PPG
			CLASS "G"	580 SKS	1.26 CF 14.15 PPG

CONFIDENTIAL

ATTACHMENTS

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- COMPLETE DRILLING PLAN
- EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER
- FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) GINGER STRINGHAM TITLE AGENT  
 SIGNATURE *Ginger Stringham* DATE 3/11/2005

(This space for State use only)

API NUMBER ASSIGNED: 43-047-36374

Approved by the  
Utah Division of  
Oil, Gas and Mining

APPROVAL:  
Date: 04-21-05  
By: *[Signature]*

RECEIVED  
MAR 09 2005

DIV. OF OIL, GAS & MINING



005

Slate River Resources  
418 E. Main  
Vernal, UT 84078  
435-781-1871

Please hold all information associated with this Application for Permit to Drill  
confidential for one year.

RECEIVED  
MAR 09 2005  
DIV. OF OIL, GAS & MINING

UT10001.000

Eagle Minerals Ltd. Oil and Gas Lease

Dated February 1, 2005

Recorded Book 914, Page 535 Uintah County, Utah

**DESCRIPTION OF LEASED PREMISES:**TOWNSHIP 12 SOUTH, RANGE 20 EAST, S.L.M.

Section 21:	All (640.00 acres)	Serial Number: 10:079:0001
Section 22:	All (640.00 acres)	Serial Number: 10:080:0001
Section 23:	All (640.00 acres)	Serial Number: 10:081:0001
Section 24:	W/2 (320.00 acres)	Serial Number: 10:082:0001
Section 25:	W/2 (320.00 acres)	Serial Number: 10:083:0001
Section 26:	All (640.00 acres)	Serial Number: 10:084:0001
Section 27:	All (640.00 acres)	Serial Number: 10:085:0001
Section 28:	All (640.00 acres)	Serial Number: 10:086:0001
Section 29:	All (640.00 acres)	Serial Number: 10:087:0001
Section 35:	All (640.00 acres)	Serial Number: 10:089:0001

TOWNSHIP 12 SOUTH, RANGE 21 EAST, S.L.M.

Section 31:	Lots 3, 4, E/2SW/4 (SW/4) (149.66 acres)	Serial Number: 10:093:0002
-------------	--	----------------------------

TOWNSHIP 13 SOUTH, RANGE 20 EAST, S.L.M.

Section 1:	Lots 1,2,3,4, S/2N/2, S/2 (All) (640.24 acres)	Serial Number: 11:004:0001
Section 3:	Lots 1,2,3,4, S/2N/2, S/2 (All) (641.80 acres)	Serial Number: 11:005:0001
Section 4:	Lots 1,2,3,4, S/2N/2, S/2 (All) (642.00 acres)	Serial Number: 11:006:0001
Section 5:	Lots 1,2,3,4, S/2N/2, S/2 (All) (641.40 acres)	Serial Number: 11:007:0001
Section 6:	Lots 1,2,3,8,10,11,13, S/2 NE/4, SE/4NW/4, E/2SW/4, SE/4 (585.52 acres)	Serial Number: 11:008:0001
Section 7:	Lots 2,3,4,5, E/2W/2, E/2 (All) (636.15 acres)	Serial Number: 11:009:0001
Section 8:	All (640 acres)	Serial Number: 11:010:0001
Section 9:	All (640 acres)	Serial Number: 11:011:0001
Section 10:	All (640 acres)	Serial Number: 11:012:0001
Section 11:	All (640 acres)	Serial Number: 11:013:0001
Section 12:	All (640 acres)	Serial Number: 11:014:0001
Section 13:	All (640 acres)	Serial Number: 11:015:0001
Section 14:	All (640 acres)	Serial Number: 11:016:0001
Section 15:	E/2 (320 acres)	Serial Number: 11:017:0001
Section 22:	E/2 (320 acres)	Serial Number: 11:018:0001
Section 23:	All (640 acres)	Serial Number: 11:019:0001
Section 24:	All (640 acres)	Serial Number: 11:020:0001
Section 25:	All (640 acres)	Serial Number: 11:021:0001
Section 26:	All (640 acres)	Serial Number: 11:022:0001
Section 27:	NE/4 (160 acres)	Serial Number: 11:023:0001

TOWNSHIP 13 SOUTH, RANGE 21 EAST, S.L.M.

Section 6:	Lots 3,4,5,6,7, SE/4NW/4, E/2SW/4 (W/2) (299.60 acres)	Serial Number: 11:026:0002
Section 7:	Lots 1,2,3,4, E/2W/2 (W/2) (300.28 acres)	Serial Number: 11:027:0002
Section 18:	Lots 1,2,3,4, E/2W/2 (W/2) (301.64 acres)	Serial Number: 11:033:0001
Section 19:	Lots 1,2,3,4, E/2W/2 (W/2) (303.44 acres)	Serial Number: 11:034:0001
Section 30:	Lots 1,2,3,4, E/2W/2 (W/2) (304.80 acres)	Serial Number: 11:038:0001
Section 31:	Lots 1,2, E/2NW/4 (NW/4) (153.27 acres)	Serial Number: 11:039:0001

UINTAH COUNTY, UTAH

containing a total of 19,199.80 acres, more or less

**UT10002.000**

**Uintah Oil Association Oil & Gas Lease**

**Dated September 15, 2004**

**Recorded Book 904, Page 1 Uintah County, Utah**

**Description of Leased Premises**

Township 12 South, Range 21 East

Sec 31: SE/4

Sec 32: S/2

Township 13 South, Range 21 East

Sec 5: Lots 2,3,4, S/2NW/4, SW/4NE/4, SW/4, W/2SE/4

Sec 6: Lots 1,2, S/2NE/4, SE/4

Sec 7: E/2

Sec 8: W/2, W/2NE/4, NW/4SE/4

Uintah County, Utah

2,038.96 acres

**UT10003.000**

**Utah Oil Shales, Inc. Oil & Gas Lease**

**Dated September 15, 2004**

**Recorded Book 904, Page 9 Uintah County, Utah**

**Description of Leased Premises**

Township 13 South, Range 21 East

Sec 4: Lots 1,2,3,4, S/2N/2, S/2

Sec 5: Lot 1, SE/4NE/4, E/2SE/4

Sec 8: E/2E/2, SW/4SE/4

Sec 9: All

Sec 16: W/2

Sec 17: E/2

Uintah County, Utah

2,278.69 acres

**Ten Point Plan**  
**Slate River Resources, LLC**  
**Utah Oil Shales 1321-8A**

**Section 8, Township 13 South, Range 21 East, NE/NE**

**1. Surface Formation**

Green River

**2. Estimated Formation Tops and Datum:**

<u>Formation</u>	<u>Depth</u>	<u>Datum</u>
Green River	Surface	5951.0' G.R.
Wasatch	2110'	3841.0'
Mesaverde	4460'	149.0'
Castlegate	6640'	-689.0'
Mancos	7100'	-1149.0'
TD	8000'	-2049.0'

A 12 ¼ hole will be drilled to 2,000' +/- . The hole depth will depend on the depth that the Birds Nest Zone is encountered. The hole will be drilled 400' beyond the top of the Birds Nest.

**3. Producing Formation Depth:**

Formation objective includes the Green River, Wasatch, Mesaverde and its sub-members.

Off Set Well information (Wells within a one-mile radius)

**Drilling/Permitted:**

Uintah Oil Association 1321-8C  
 Utah Oil Shales 1321-9L

**Abandon Well:**

Fee #2  
 UOA #1

**4. Proposed Casing:**

<u>Hole Size</u>	<u>Casing Size</u>	<u>Weight/FT</u>	<u>Grade</u>	<u>Coupling &amp; Tread</u>	<u>Casing Depth</u>	<u>New/Used</u>
12 1/4	9 5/8	32#	H-40	ST&C	2000	NEW
7 7/8	4 1/2	11.6#	M-80	LT&C	T.D.	NEW

**Cement Program:**

The Surface Casing will be cemented to the Surface as follows:

	<u>Casing Size</u>	<u>Cement Type</u>	<u>Cement Amounts</u>	<u>Cement Yield</u>	<u>Cement Weight</u>
Lead:	9 5/8	Cement "V" Gel 16% BWOC Gilsonite 10#/sk Salt 3% BWOC GR-3 3#/sk Flocele 1/4#/sk	180 sks +/-	3.82 ft <sup>3</sup> /sk	15.8 ppg
Tail:	9 5/8	Cement "G" Calcium Chloride 2% BWOC Flocele 1/4 #/sk 0.1% R-3 2% Bentonite	225 sks. +/-	1.15 ft <sup>3</sup> /sk	15.8 ppg
Top Out:	9 5/8	Cement "G" Calcium Chloride 3%BWOC Flocele 1/4 #/sk	100 sks +/-	1.15 ft <sup>3</sup> /sk	15.8 ppg

Production casing will be cemented to 2,000' or higher as follows:

	<u>Casing Size</u>	<u>Cement Type</u>	<u>Cement Amounts</u>	<u>Cement Yield</u>	<u>Cement Weight</u>
Lead:	4 1/2	Premium Cement 100% Gel 16% BWOC Salt 3% BWOC Gilsonite 10#/sk Flocele 1/4 #/sk GR-3 3#/sk	140 sks +/-	3.82ft <sup>3</sup> /sk	11.0 ppg
Tail:	4 1/2	Class "G" 50% POZ 50% Gel 2% BWOC Salt 10%BWOC Dispersant .2% BWOC Fluid loss .3% Flocele 1/4 #/sk	580 sks +/-	1.26ft <sup>3</sup> /sk	14.15 ppg

#### 5. BOP and Pressure Containment Data:

The anticipated bottom hole pressure will be less than 3600 psi.

A 3000-psi WP BOP system as described in the BOP and Pressure Containment Data (attached) will be installed and maintained from the 9 5/8" surface casing. The BOP system including the casing will be pressure tested to minimum standards set forth in "On Shore Order #2". The BOP will be mechanically checked daily during the drilling operation.

#### 6. Mud Program:

<u>Interval</u>	<u>Mud weight lbs./gal.</u>	<u>Viscosity Sec./OT.</u>	<u>Fluid Loss MI/30 Mins.</u>	<u>Mud Type</u>
0-2000	Air/Mist	-----	No Control	Air/Air mist
2000-T.D.	8.4-12.0	30	8-10	Water/Gel

## 7. Auxiliary Equipment

Upper Kelly cock, full opening stabbing valve, 2 ½" choke manifold and pit level indicator.

## 8. Testing, Coring, Sampling and Logging:

- a) Test: None are anticipated.
- b) Coring: There is the possibility of sidewall coring.
- c) Sampling: Every 25' from 2000' to T.D.
- d) Logging:

Type	Interval
DLL/SFL W/GR and SP	T.D. to Surf. Csg
FDC/CNL W/GR and CAL	T.D. to Surf. Csg

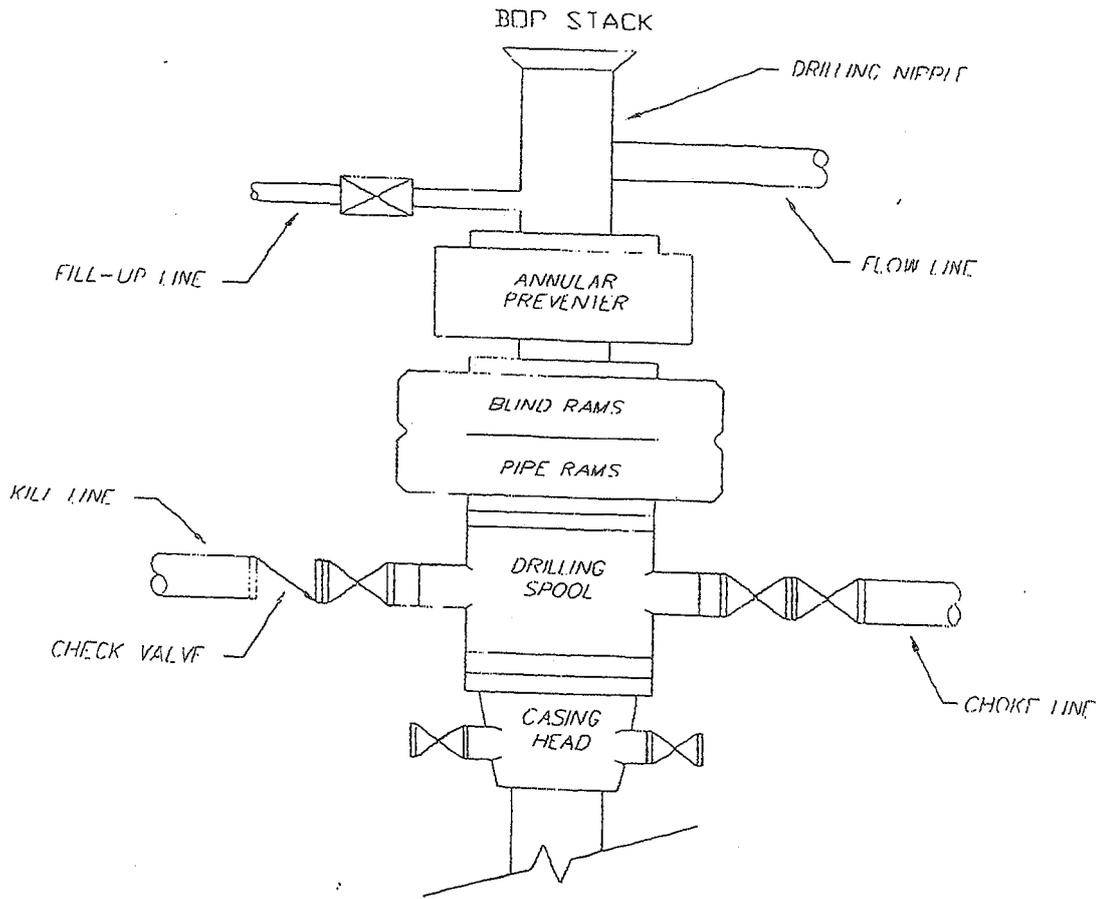
## 9. Abnormalities (including sour gas):

No abnormal pressures, temperatures or other hazards are anticipated. Oil and gas shows are anticipated in the Wasatch Formation. Other wells drilled in the area have not encountered over pressured zones or H<sub>2</sub>S.

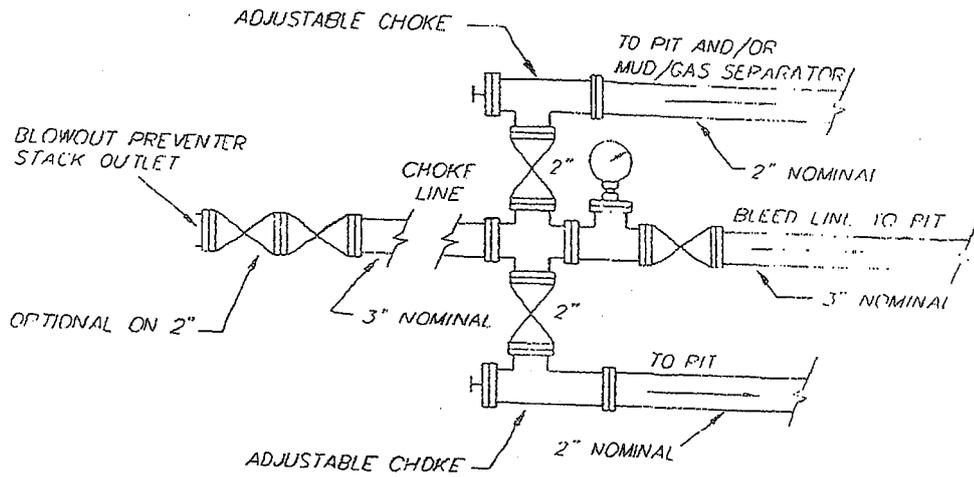
## 10. Drilling Schedule:

The anticipated starting date is April 1, 2005. Duration of operations is expected to be 30 days.

TYPICAL 3,000 p.s.i.  
BLOWOUT PREVENTER SCHEMATIC



TYPICAL 3,000 p.s.i.  
CHOKER MANIFOLD SCHEMATIC



**SLATE RIVER RESOURCES, LLC**

**13 POINT SURFACE USE PLAN**

**FOR WELL**

**UTAH OIL SHALES 1321-8A**

**LOCATED IN THE NE ¼ NE ¼**

**SECTION 8, TOWNSHIP 13 SOUTH, RANGE 21 EAST S.L.B. & M.**

**UINTAH COUNTY, UT**

**LEASE NUMBER: UT10002.000**

**SURFACE OWNERSHIP: FEE**

1. Existing Roads:

SLATE RIVER RESOURCES, LLC  
Utah Oil Shales 1321-8A  
Section 8, T13S, R21E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION ALONG STATE HIGHWAY 88 APPROXIMATELY 17 MILES TO OURAY, UTAH; FROM OURAY, PROCEED IN A SOUTHERLY DIRECTION ALONG THE SEEP RIDGE ROAD (COUNTY B ROAD 2810) APPROXIMATELY 29.4 MILES TO ITS INTERSECTION WITH THE BUCK CANYON ROAD (COUNTY B ROAD 5460); EXIT RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION ALONG THE BUCK CANYON ROAD APPROXIMATELY 3.2 MILES TO WILLOW CREEK; TURN RIGHT AND PROCEED IN A NORTHWESTERLY DIRECTION ALONG THE WILLOW CREEK ROAD (COUNTY B ROAD 5120) APPROXIMATELY 2.1 MILES TO ITS INTERSECTION WITH THE AGENCY DRAW ROAD (COUNTY B ROAD 5340); EXIT LEFT AND PROCEED IN A WESTERLY THEN SOUTHERLY DIRECTION ALONG THE AGENCY DRAW ROAD APPROXIMATELY 2.5 MILES TO ITS INTERSECTION WITH THE FLAT ROCK ROAD (COUNTY B ROAD 5450); EXIT LEFT AND PROCEED SOUTHERLY ALONG THE FLAT ROCK ROAD APPROXIMATELY 3.1 MILES TO A CLASS D COUNTY ROAD TO THE NORTHEAST; EXIT LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION ALONG THE COUNTY D ROAD APPROXIMATELY 2.5 MILES TO THE PROPOSED ACCESS ROAD; FOLLOW ROAD FLAGS IN A WESTERLY DIRECTION APPROXIMATELY 80 FEET TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 73.8 MILES.

All existing roads to the proposed location are State of Utah, BLM maintained or County Class D roads. Please see the attached map for additional details.

2. Planned access road

The proposed access road will be approximately 80' +/- of new construction on lease. The road will be graded once per year minimum and maintained.

- A) Approximate length 80 ft
- B) Right-of-Way width 30 ft
- C) Running surface 18 ft
- D) Surface material Native soil
- E) Maximum grade 5%
- F) Fence crossing None
- G) Culvert None
- H) Turnouts None
- I) Major cuts and fills None
- J) Road Flagged Yes
- K) Access road surface ownership Fee
- L) All new construction on lease Yes
- M) Pipe line crossing No

Please see the attached location plat for additional details.

An off lease Right-of-Way will not be required.

All surface disturbances for the road and location will be within the lease boundary.

3. Location of existing wells

The following wells are located within a one-mile radius of the location site.

- |                                   |      |
|-----------------------------------|------|
| A) Producing well                 | None |
| B) Water well                     | None |
| C) Abandoned well                 |      |
| UOA #1                            |      |
| Fee #2                            |      |
| D) Temp. abandoned well           | None |
| E) Disposal well                  | None |
| F) Drilling /Permitted well       |      |
| Uintah Oil Association 1321-8C    |      |
| Utah Oil Shales 1321-9L           |      |
| G) Shut in wells                  | None |
| H) Injection well                 | None |
| I) Monitoring or observation well | None |

Please see the attached map for additional details.

4. Location of tank batteries, production facilities and production gathering service lines.

All production facilities are to be contained within the proposed location site. Please see the attached plat plan for a typical gas well separator installation and well site piping.

All permanent (on site for more than six months or longer) structures constructed or installed will be painted a **Carlsbad Canyon or Olive Green** color. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.

All tanks will be surrounded by a dike of sufficient capacity to contain the storage

capacity of the largest tank in the battery. The integrity of the dike will be maintained.

The operator will adhere to all site security guidelines and regulation identified in 43 cfr 3126.7.

All off lease storage, off lease measurement, commingling on lease or off lease, of production, will have prior written approval from the authorized officer.

If the well is capable of economic production a surface gas line will be required.

**Approximately 35' +/- of 3" pipeline would be constructed on Private Lands. The line would tie into the proposed pipeline in Section 8, T13S, R21E. The line will be strung and boomed to the north of the location.**

**An off lease Right-of-Way will not be required.**

Please see the attached location diagrams for pipeline location. There will be no additional surface disturbances required for the installation of a gathering line.

The gas meter run will be located within 500' of the wellhead. The gas line will be buried or anchored down from the wellhead to the meter. Meter runs will be housed and/or fenced.

The gas meter will be calibrated and the tank strapped in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at

least quarterly thereafter. The authorized officer 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 report will be submitted to the BLM's Vernal District office and State of Utah, Division of Oil, Gas, and Mining. All measurement facilities will conform to API (American Petroleum Institute) and AGA (American Gas Association) standards for gas and liquid hydrocarbon measurement.

5. Location and type of water supply

**Water for drilling and cementing will come from Willow Creek Permit # - T75377.**

6. Source of construction materials

All construction material for this location site and access road shall be borrow material accumulated during construction of the location site and access road. Additional road gravel or pit lining material will be obtained from private resources.

7. Methods for handling waste disposal

A) Pit construction and liners:

The reserve pit will be approximately **8 ft.** deep and most of the depth shall be below the surface of the existing ground Please see the attached plat for details.

The reserve pit will be lined.

The reserve pit will be used to store water for drilling. A semi-closed system will be used to drill the well. All fresh water for drilling will come from a frac tank placed on location and from the rig tank. The pit will be used to hold non-flammable materials such as cuttings, salt, drilling fluids, chemicals, produced fluids, etc.

B) Produced fluids:

Produced water will be confined to the reserve pit, or if deemed necessary, a storage tank for a period not to exceed 120 days after initial production. During the 120-day period an application for approval for permanent disposal method and location will be submitted to the authorized officer.

C) Garbage:

A trash cage fabricated from expanded metal will be used to hold trash on location and will be removed to an authorized landfill location.

D) Sewage:

A portable chemical toilet will be supplied for human waste.

E) Site clean-up:

After the rig is moved off the location the well site area will be cleaned and all refuse removed.

8. Ancillary facilities

There are no ancillary facilities planned at this time and none are foreseen for the future.

9. Well-site layout

Location dimensions are as follows:

- A) Pad length            340 ft
- B) Pad width            250 ft
- C) Pit depth            8 ft
- D) Pit length            160 ft
- E) Pit width            60 ft
- F) Max cut            14.1 ft
- G) Max fill            5.9 ft
- H) Total cut yds.    4,930 yds
- I) Pit location        south side
- J) Top soil location    south side
- K) Access road location east side
- L) Flare Pit            corner C

Please see the attached location diagram for additional details.

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

- A) Thirty nine inch net wire shall be used with at least one strand of 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 above the net wire. Total height of the fence shall be at least 42 inches.

- C) Corner posts shall be cemented and/or braced in such a manner 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 posts shall be no greater than 16 ft.

- E) All wire shall be stretched by using a stretching device before it is attached to the corner posts.

10. Plans for restoration of the surface

Prior to construction of the location, the top 6 inches of soil material will be stripped off the location and the pit area. The topsoil removed and piled will amount to approximately 1,490 cubic yards of material. Topsoil will be stockpiled in one distinct pile.

Placement of the topsoil is noted on the attached location plat. The topsoil pile from the location will be seeded as soon as the soil is stock piled with the seed mix listed. When all drilling and completion activities have been completed and the pit back-filled the topsoil from the pit area will be spread on the pit area. The pit area will be seeded when the soil has been spread. The unused portion of the location (the

area outside the dead men) will be re-contoured.

The dirt contractor will be provided with an approved copy of the surface use plan prior to construction activities.

Changes to the drainage during the construction activities shall be restored to its original line of flow or as near as possible when the pit is back-filled

All disturbed areas will be re-contoured to the approximate natural contours. Prior to back filling the pit the fences around the reserve pit will be removed.

The reserve pit will be reclaimed within 120 days of well completion. If the reserve pit has not dried sufficiently to allow back filling, an extension on the time requirement for back filling the pit will be requested. Once reclamation activities have begun, they shall be completed within 30 days.

After the reserve pit has been reclaimed, no depressions in the soil covering the reserve pit will be allowed. The objective is to keep seasonal rainfall and run off from seeping into the soil used to cover the reserve pit. Diversion ditches and water bars will be used to divert the run off as needed.

When restoration activities have been completed, the location site and new access road cuts and shoulders shall be reseeded. Prior to reseeding, all disturbed areas will be scarified. And left with a rough surface.

A) Seeding dates:

Seed will be spread when topsoil is stock piled and when reclamation work is performed.

The seed mix and quantity list will be used whether the seed is broadcast or drilled.

B) Seed Mix

**To be determined by surface owner or will reflect the native vegetation.**

11. Surface ownership:

<b>Access road</b>	<b>Fee</b>
<b>Location</b>	<b>Fee</b>
<b>Pipe line</b>	<b>Fee</b>

12. Other information:

A) Vegetation

The vegetation coverage is Slight. The majority of the existing vegetation consists of Sagebrush. Rabbit brush, Bitter Brush, and Indian Rice grass are also found on the location.

B) Dwellings:

There are no dwelling or other facilities within a one-mile radius of the location.

C) Archeology:

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 owner.

e) BOP and related equipment tests

At least twenty-four (24) hours prior to initial pressure tests.

f) First production notice  
Within five (5) business days after the new well begins, or production resumes after well has been off production for more than 90 days.

D) Water:

The nearest water is Willow Creek located approximately 2 miles to the East.

G) Flare pit:

The flare pit will be located in **corner C** of the reserve pit outside the pit fences and 100 feet from the bore hole on the east side of the location. All fluids will be removed from the pit within 48 hours of occurrence.

E) Chemicals:

No pesticides, herbicides or other possible hazardous chemicals will be used without prior application.

13. Lessees or Operator's representative and certification

A) Representative(s)

JT Conley  
Slate River Resources, LLC  
418 East Main ST  
Vernal, UT 84078

Office 435-781-1871  
Fax 435-781-1875

Ginger P Stringham, Agent  
Paradigm Consulting, INC  
PO BOX 790203  
Vernal, UT 84079

Office 435-790-4163  
Fax 435-789-0255

F) Notification:

- a) Location Construction  
At least forty eight (48) hours prior to construction of location and access roads.
- b) Location completion  
Prior to moving on the drilling rig.
- c) Spud notice  
At least twenty-four (24) hours prior to spudding the well.
- d) Casing string and cementing  
At least twenty-four (24) hours prior to running casing and cementing all casing strings.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, onshore oil and gas orders, and any applicable notices to lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

  
Ginger P Stringham, Agent  
Paradigm Consulting, INC

**Onsite Dates:**

This drilling permit will be valid for a period of one year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.

**B) Certification:**

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill-site and access route, that I am familiar with the conditions which presently exist, that the statements made in this plan are, to the best of my knowledge and belief, true and correct, and that the work associated with the operation proposed herein will be preformed by Slate River Resources, LLC and its contractors and subcontractors in conformity with this plan and terms and conditions with this plan and the terms and conditions under which it is approved.

Date 3/7/05

### **Statement of use of Hazardous Materials**

No chemical(s) from the EPA's consolidated list of Chemicals Subject to Reporting under Title III of the Superfund Amendments and Reauthorization, Act (SARA) of 1986 will be used, produced, transported, stored, disposed, or associated with the proposed action. No extremely hazardous substances, as defined in 40 cfr 355, will be used, produced, stored, transported, disposed, or associated with the proposed action.

If you require additional information please contact:

Ginger Stringham  
Agent for Slate River Resources, LLC  
Paradigm Consulting, INC  
PO BOX 790203  
Vernal, UT 84079

435-790-4163 Office  
435-789-0255 Fax

RECEIVED  
MAY 06 2004  
WATER RIGHTS  
VERNAL

# TEMPORARY APPLICATION TO APPROPRIATE WATER

Rec. by SPW  
Fee Paid \$ 75.00  
Receipt # 04-01905

## STATE OF UTAH

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of Title 73, Chapter 3, Utah Code Annotated 1953, as amended.

WATER RIGHT NUMBER: 49 - 2179

TEMPORARY APPLICATION NUMBER: T75377

(BMW)

\*\*\*\*\*

1. OWNERSHIP INFORMATION:

LAND OWNED? No

A. NAME: A-1 Tank Rental and Brine Service  
ADDRESS: P. O. Box 1168  
Vernal UT 84078

B. PRIORITY DATE: May 6, 2004

FILING DATE: May 6, 2004

2. SOURCE INFORMATION:

A. QUANTITY OF WATER: 10.0 acre-feet

B. SOURCE: Willow Creek

COUNTY: Uintah

C. POINT OF DIVERSION -- SURFACE:

(1) N 150 feet W 650 feet from SE corner, Section 29, T 12S, R 21E, SLBM  
DIVERT WORKS: Pump into tank trucks and haul to place of use

D. COMMON DESCRIPTION: 30 miles southwest of Vernal

3. WATER USE INFORMATION:

OIL EXPLORATION: from May 15 to May 1 Drilling and completion of oil/gas wells  
in the south Ouray area.

Period of Use - May 15, 2004 to May 14, 2005.

\*-----\*

4. PLACE OF USE: (which includes all or part of the following legal subdivisions:)

BASE TOWN RANG SEC	NORTH-WEST ¼		NORTH-EAST ¼		SOUTH-WEST ¼		SOUTH-EAST ¼	
	NW	NE	SW	SE	NW	NE	SW	SE
SL 10S 21E	Entire TOWNSHIP							
SL 10S 22E	Entire TOWNSHIP							
SL 11S 21E	Entire TOWNSHIP							
SL 11S 22E	Entire TOWNSHIP							
SL 12S 21E	Entire TOWNSHIP							
SL 12S 22E	Entire TOWNSHIP							

AFFIDAVIT OF SURFACE OWNER USE AGREEMENT

Slate River Resources, LLC has in place, agreements with the surface owners of the following leases. Slate River Resources, LLC is the operator and makes this certification that the agreements provide for management of the Fee surface lands under development.

**Eagle Minerals Ltd. Oil and Gas Lease**

**Uintah Oil Association Oil & Gas Lease**

**Utah Oil Shales, Inc. Oil & Gas Lease**



---

J.T. Conley  
VP Operations  
Slate River Resources, LLC  
418 East Main  
Vernal, UT 84078  
435-781-1871

**DESIGNATION OF AGENT OR OPERATOR**

The undersigned is, on record, the holder of oil and gas lease

**LEASE NAME:** Fee Leases, see attached  
**LEASE NUMBER:** Fee, no numbers assigned

and hereby designates

**NAME:** Ginger Stringham, Paradigm Consulting Inc.  
**ADDRESS:** PO Box 790203  
city Vernal state UT zip 84078

as his (check one) agent  / operator , with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the Division Director or Authorized Agent may serve written or oral instructions in securing compliance with the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah with respect to:

(Describe acreage to which this designation is applicable. Identify each oil and gas well by API number and name. Attach additional pages as needed.)  
Fee leases, see attached

It is understood that this designation of agent/operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah. It is also understood that this designation of agent or operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated agent/operator, the lessee will make full and prompt compliance with all rules, lease terms or orders of the Board of Oil, Gas and Mining of the State of Utah or its authorized representative.

The lessee agrees to promptly notify the Division Director or Authorized Agent of any change in this designation.

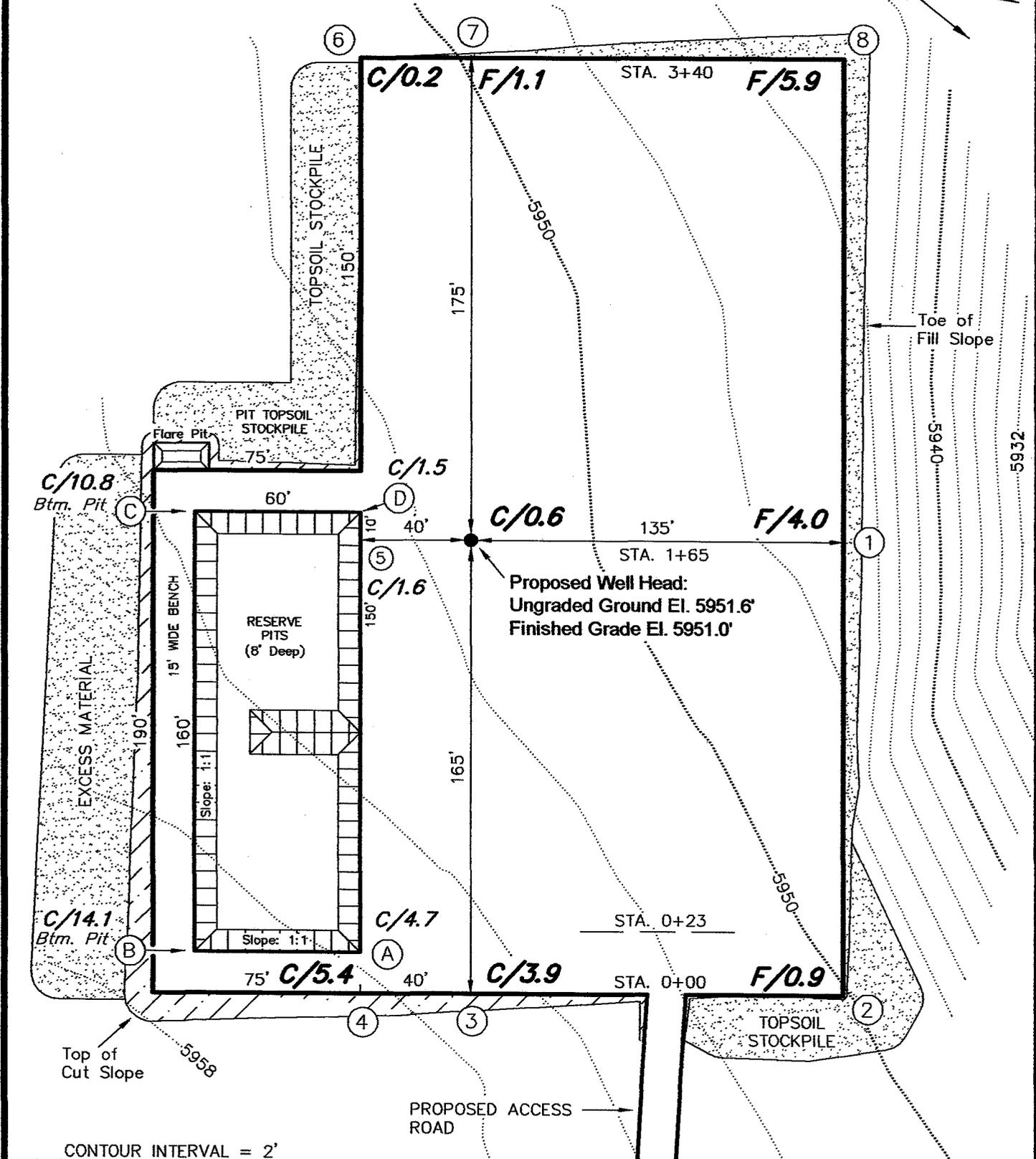
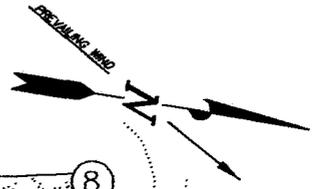
**Effective Date of Designation:** 03/01/2005

**BY:** (Name) J.T. Conley  
(Signature) *J.T. Conley*  
(Title) VP Operations  
(Phone) (435) 781-1871

**OF:** (Company) Slate River Resources, LLC  
(Address) 418 East Main  
city Vernal  
state UT zip 84078

# SLATE RIVER RESOURCES, LLC

## CUT SHEET UTAH OIL SHALES 1321-8A

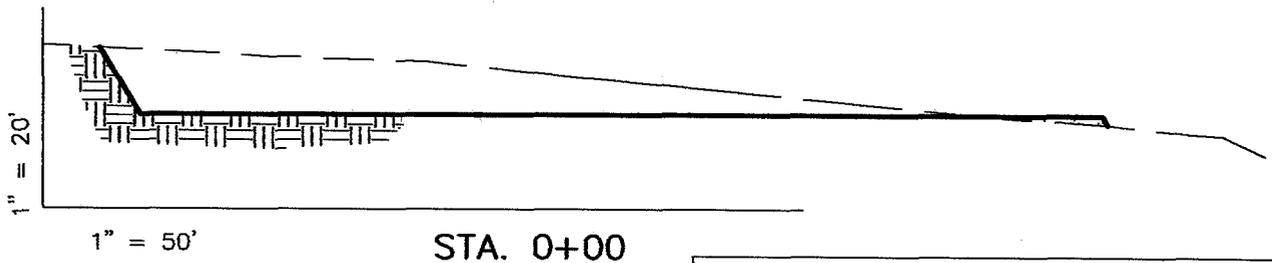
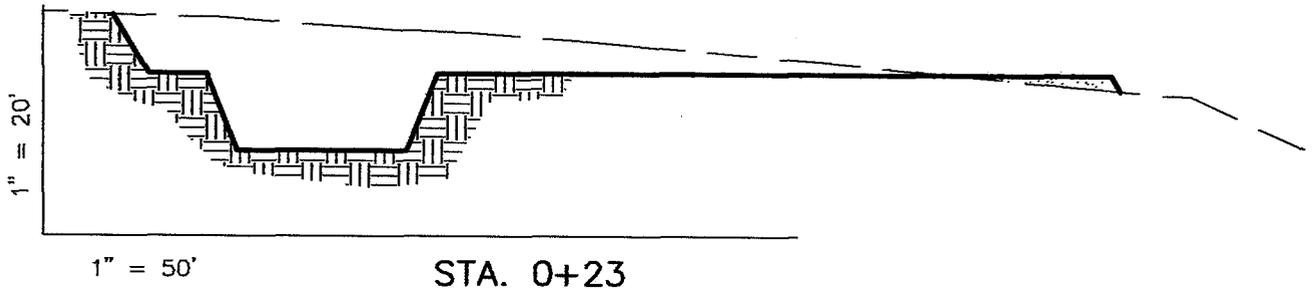
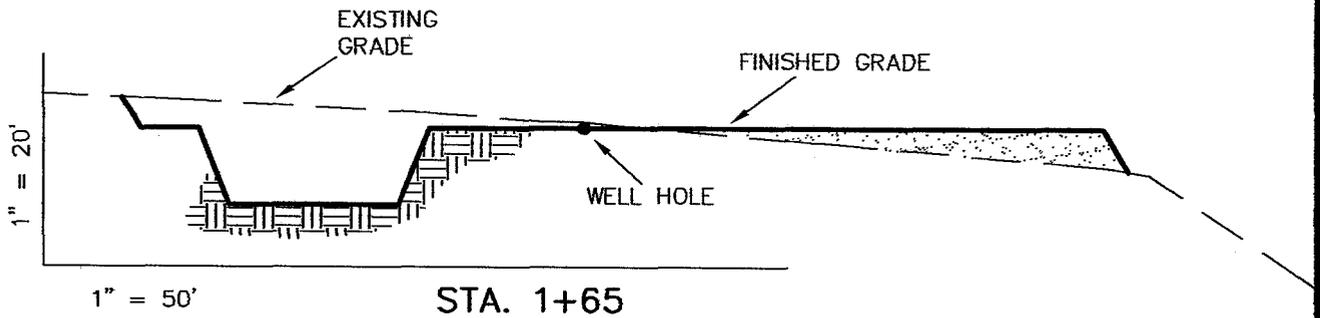
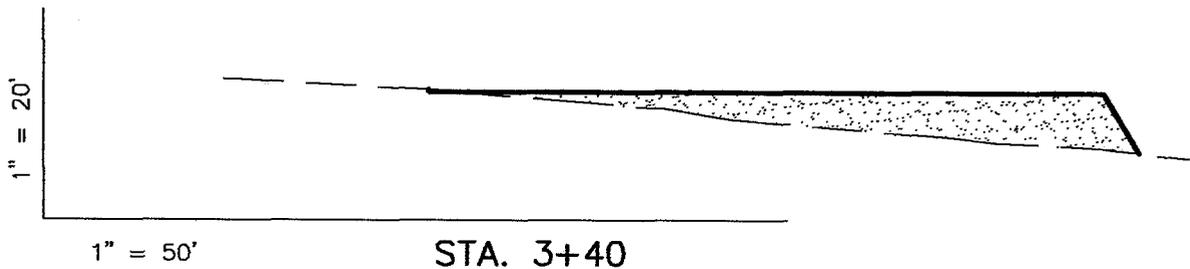


CONTOUR INTERVAL = 2'

Section 8, T13S, R21E, S.L.B.&M.		Qtr/Qtr Location: NE NE	Footage Location: 650' FNL & 313' FEL
Date Surveyed: 2-17-05	Date Drawn: 2-23-05	Date Last Revision:	<b>Timberline</b> Land Surveying, Inc. 38 WEST 100 NORTH VERNAL, UTAH 84078 (435) 789-1365
Surveyed By: K.K.	Drawn By: J.R.S.	Scale: 1" = 50'	
			SHEET <b>2</b> OF 10

# SLATE RIVER RESOURCES, LLC

## CROSS SECTIONS UTAH OIL SHALES 1321-8A



### REFERENCE POINTS

185' NORTHERLY = 5936.1'  
235' NORTHERLY = 5922.4'  
215' EASTERLY = 5956.1'  
265' EASTERLY = 5956.8'

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

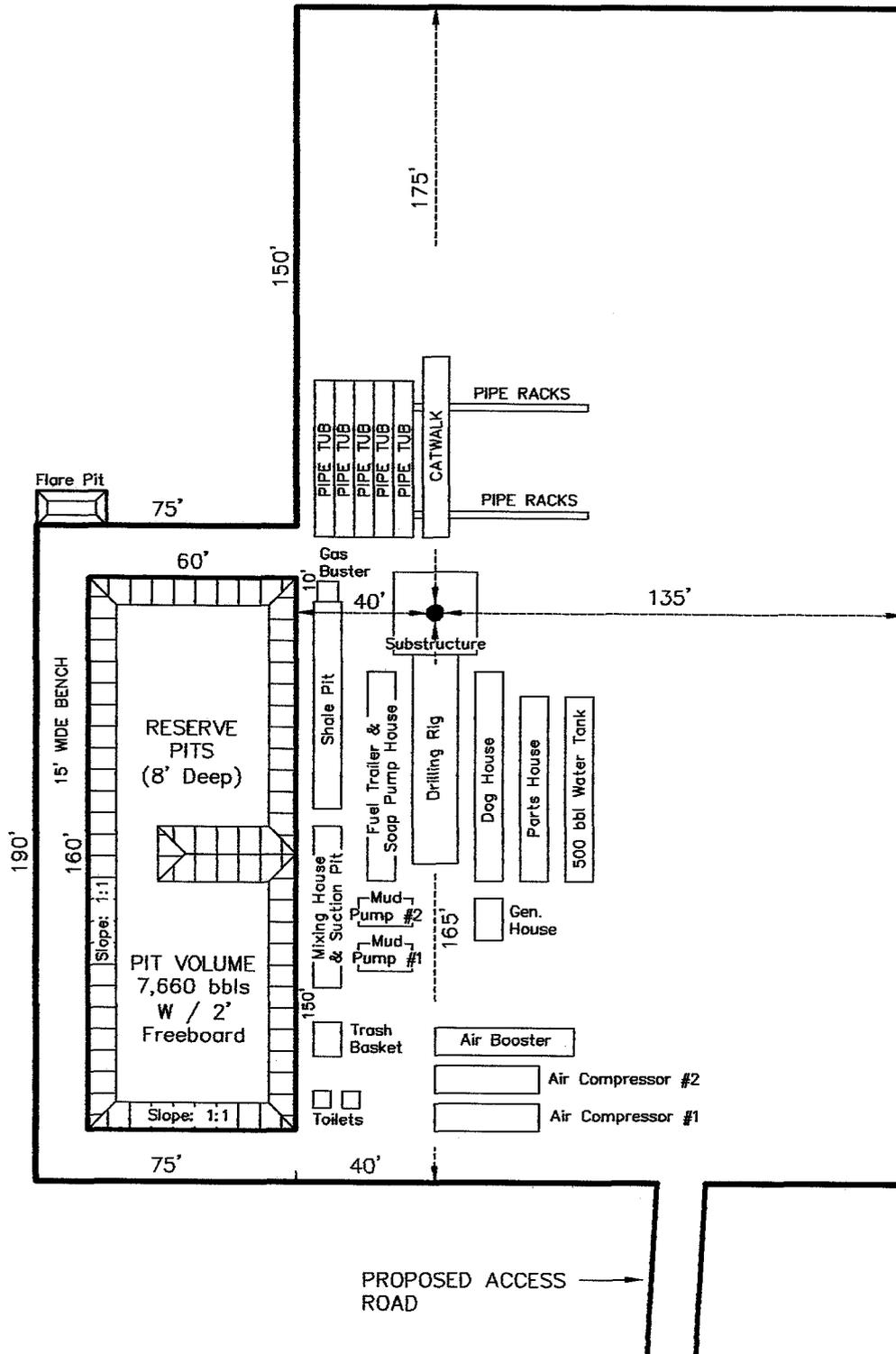
### ESTIMATED EARTHWORK QUANTITIES (Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	2,660	3,790	Topsoil is not included in Pad Cut	-1,130
PIT	2,270	0		2,270
TOTALS	4,930	3,790	1,490	1,140

Section 8, T13S, R21E, S.L.B.&M.		Qtr/Qtr Location: NE NE	Footage Location: 650' FNL & 313' FEL
Date Surveyed: 2-17-05	Date Drawn: 2-23-05	Date Last Revision:	<b>Timberline</b> (435) 789-1365 <i>Land Surveying, Inc.</i> 38 WEST 100 NORTH VERNAL, UTAH 84078
Surveyed By: K.K.	Drawn By: J.R.S.	Scale: 1" = 50'	
			SHEET <b>3</b> OF 10

# SLATE RIVER RESOURCES, LLC

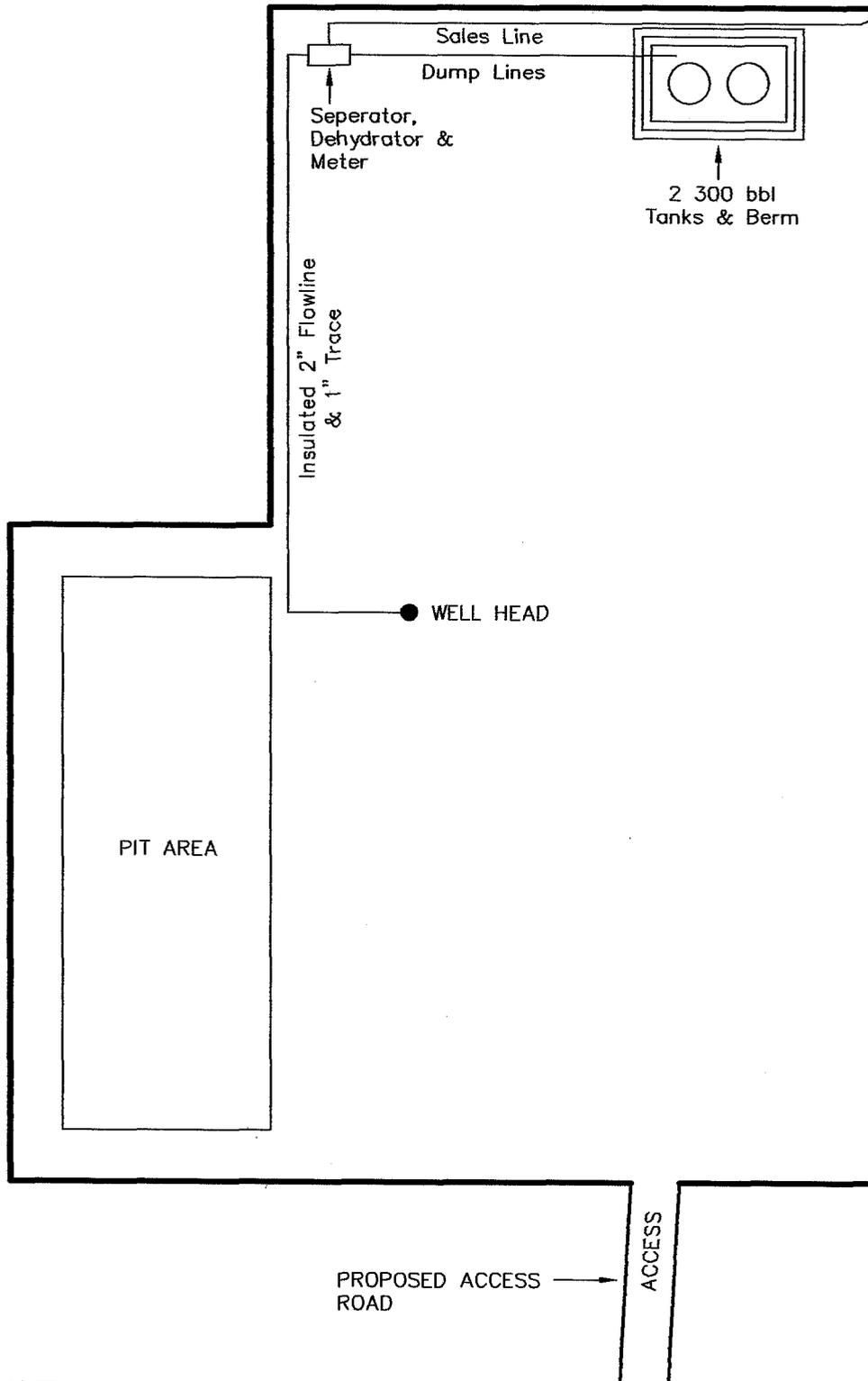
## TYPICAL RIG LAYOUT UTAH OIL SHALES 1321-8A



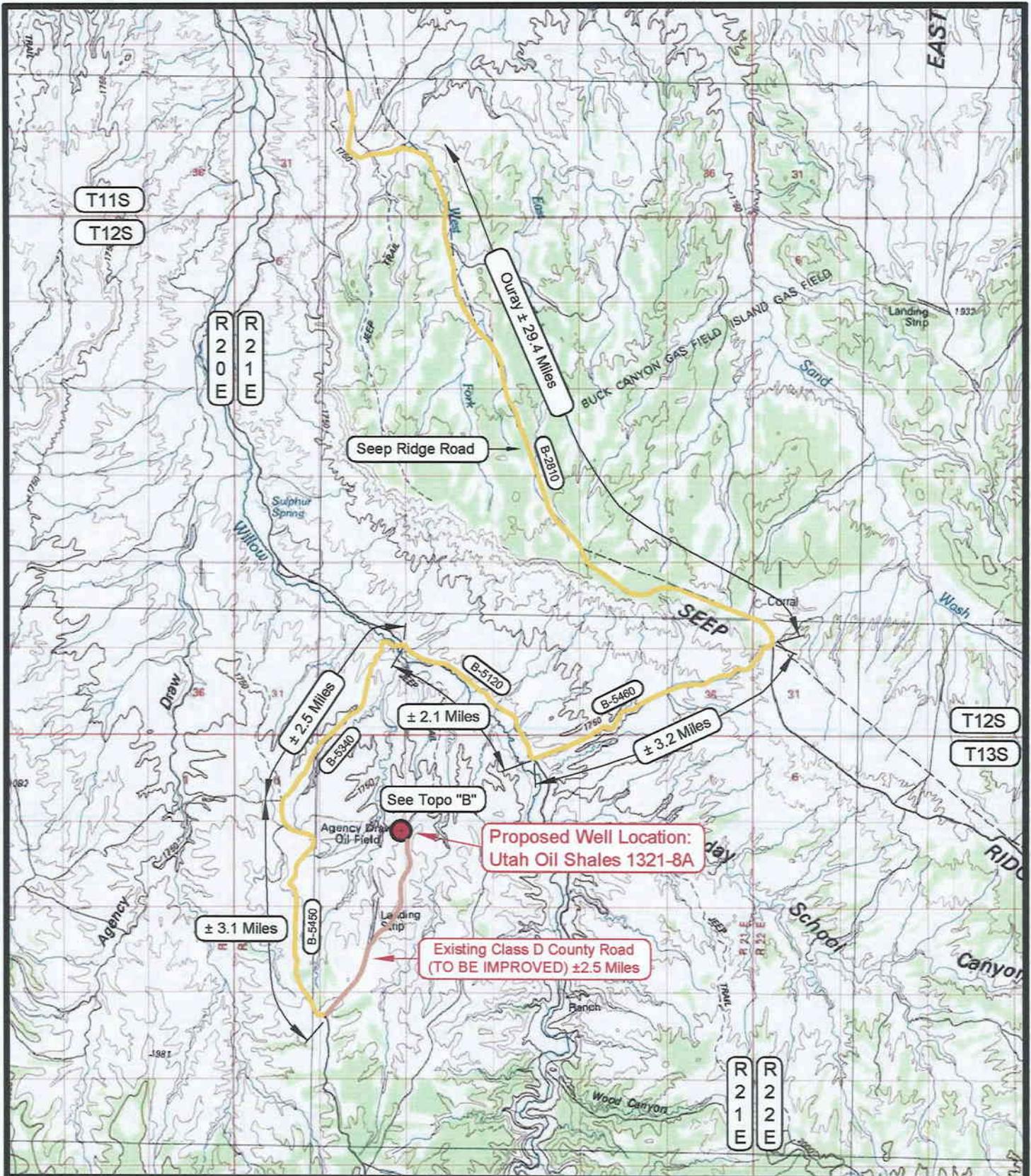
Section 8, T13S, R21E, S.L.B.&M.		Qtr/Qtr Location: NE NE	Footage Location: 650' FNL & 313' FEL
Date Surveyed: 2-17-05	Date Drawn: 2-23-05	Date Last Revision:	<b>Timberline</b> (435) 789-1365 <i>Land Surveying, Inc.</i> 38 WEST 100 NORTH VERNAL, UTAH 84078
Surveyed By: K.K.	Drawn By: J.R.S.	Scale: 1" = 50'	
			SHEET <b>4</b> OF 10

# SLATE RIVER RESOURCES, LLC

## TYPICAL PRODUCTION LAYOUT UTAH OIL SHALES 1321-8A



Section B, T13S, R21E, S.L.B.&M.		Qtr/Qtr Location: NE NE	Footage Location: 650' FNL & 313' FEL
Date Surveyed: 2-17-05	Date Drawn: 2-23-05	Date Last Revision:	<b>Timberline</b> (435) 789-1365 <b>Land Surveying, Inc.</b> 38 WEST 100 NORTH VERNAL, UTAH 84078
Surveyed By: K.K.	Drawn By: J.R.S.	Scale: 1" = 50'	
			<b>SHEET</b> <b>5</b> <b>OF 10</b>



LEGEND

- = PROPOSED WELL LOCATION
- = EXISTING ROAD
- = EXISTING ROAD (TO BE IMPROVED)
- - - = PROPOSED ACCESS ROAD
- B-5460 = COUNTY ROAD CLASS & NUMBER

**TOPOGRAPHIC MAP "A"**

DATE SURVEYED: 2-17-05

SCALE: 1:100,000

DRAWN BY: J.R.S.

DATE DRAWN: 2-23-05

REVISED:

**SLATE RIVER RESOURCES, LLC**

**Utah Oil Shales 1321-8A  
SECTION 8, T13S, R21E, S.L.B.&M.  
650' FNL & 313' FEL**

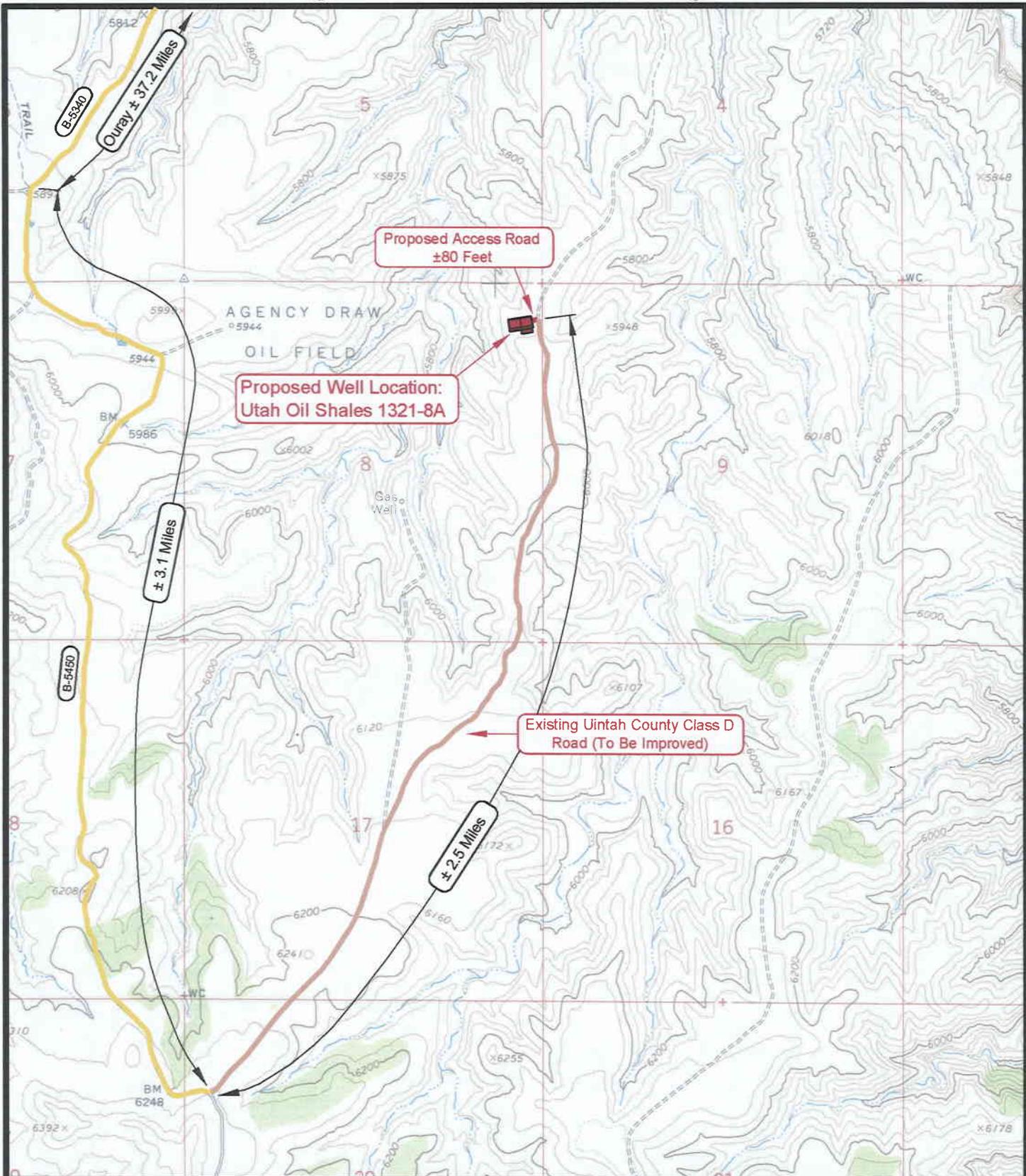
**Timberline Land Surveying, Inc.**

38 West 100 North Vernal, Utah 84078  
(435) 789-1365

SHEET

**6**

OF 10



**LEGEND**

- = EXISTING ROAD
- = EXISTING ROAD (TO BE IMPROVED)
- - - = PROPOSED ACCESS ROAD
- B-5460 = COUNTY ROAD CLASS & NUMBER

**TOPOGRAPHIC MAP "B"**

SCALE: 1" = 2000'

DRAWN BY: J.R.S

DATE SURVEYED: 2-17-05

DATE DRAWN: 2-23-05

REVISED:

**SLATE RIVER RESOURCES, LLC**

**Utah Oil Shales 1321-8A  
SECTION 8, T13S, R21E, S.L.B.&M.  
650' FNL & 313' FEL**

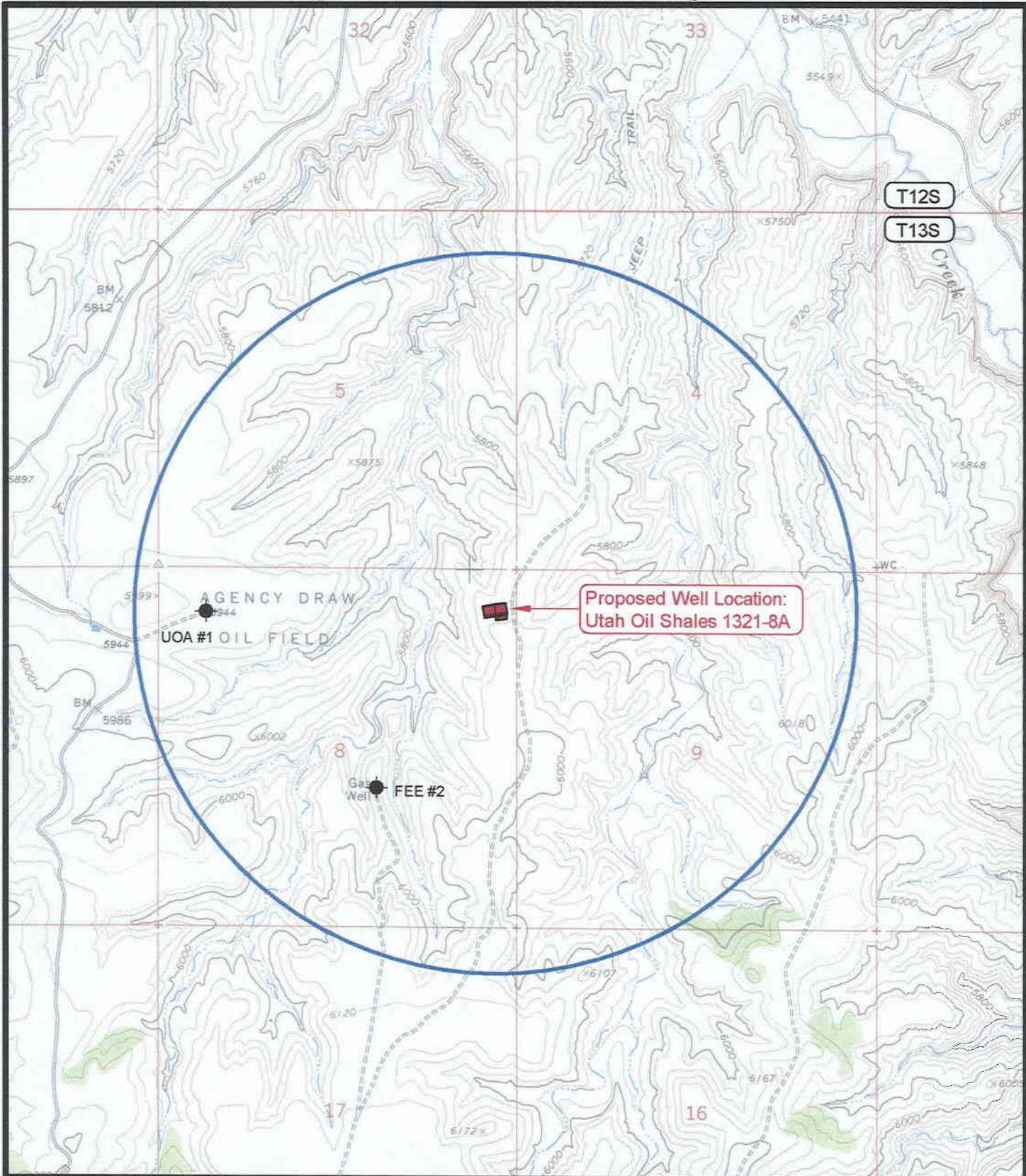
**Timberline Land Surveying, Inc.**

38 West 100 North Vernal, Utah 84078  
(435) 789-1365

SHEET

7

OF 10



**LEGEND**

- ⊘ = DISPOSAL WELL
- = PRODUCING WELL
- = SHUT IN WELL
- ⊘ = WATER WELL
- = ABANDONED WELL
- = TEMPORARILY ABANDONED WELL

**SLATE RIVER RESOURCES, LLC**

**Utah Oil Shales 1321-8A**  
**SECTION 8, T13S, R21E, S.L.B.&M.**  
**650' FNL & 313' FEL**

**TOPOGRAPHIC MAP "C"**

DATE SURVEYED: 2-17-05  
 DATE DRAWN: 2-23-05

SCALE: 1" = 2000'

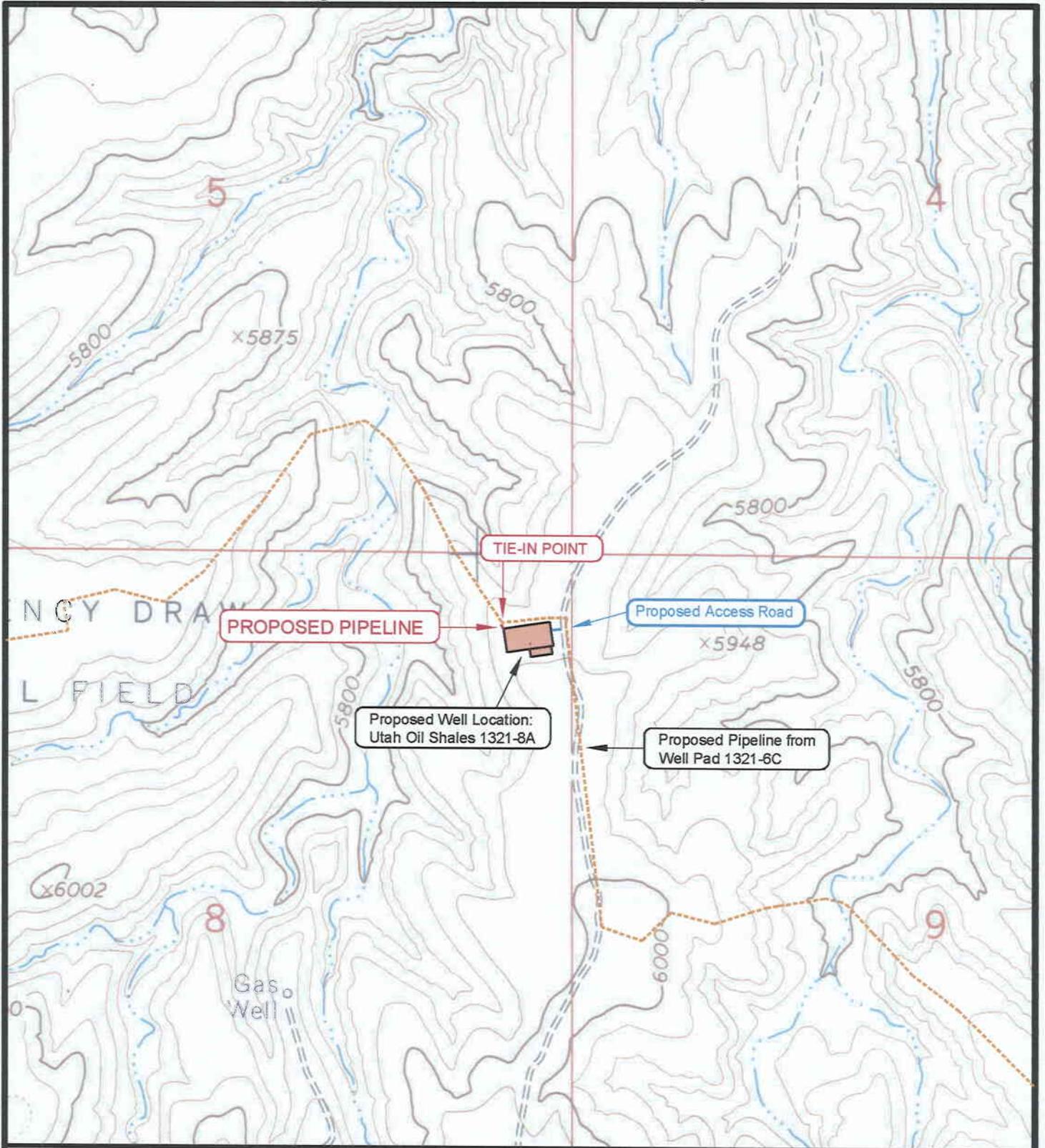
DRAWN BY: J.R.S.

REVISED:

**Timberline Land Surveying, Inc.**

38 West 100 North Vernal, Utah 84078  
 (435) 789-1365

SHEET  
**8**  
 OF 10



**APPROXIMATE PIPELINE LENGTH = 35'**

**LEGEND**

- = EXISTING PIPELINE
- - - - = PROPOSED PIPELINE
- = PROPOSED ACCESS ROAD

**SLATE RIVER RESOURCES, LLC**

**Utah Oil Shales 1321-8A  
SECTION 8, T13S, R21E, S.L.B.&M.  
650' FNL & 313' FEL**

**TOPOGRAPHIC MAP "D"**

DATE SURVEYED: 2-17-05

DATE DRAWN: 2-23-05

SCALE: 1" = 1000'

DRAWN BY: J.R.S.

REVISED:

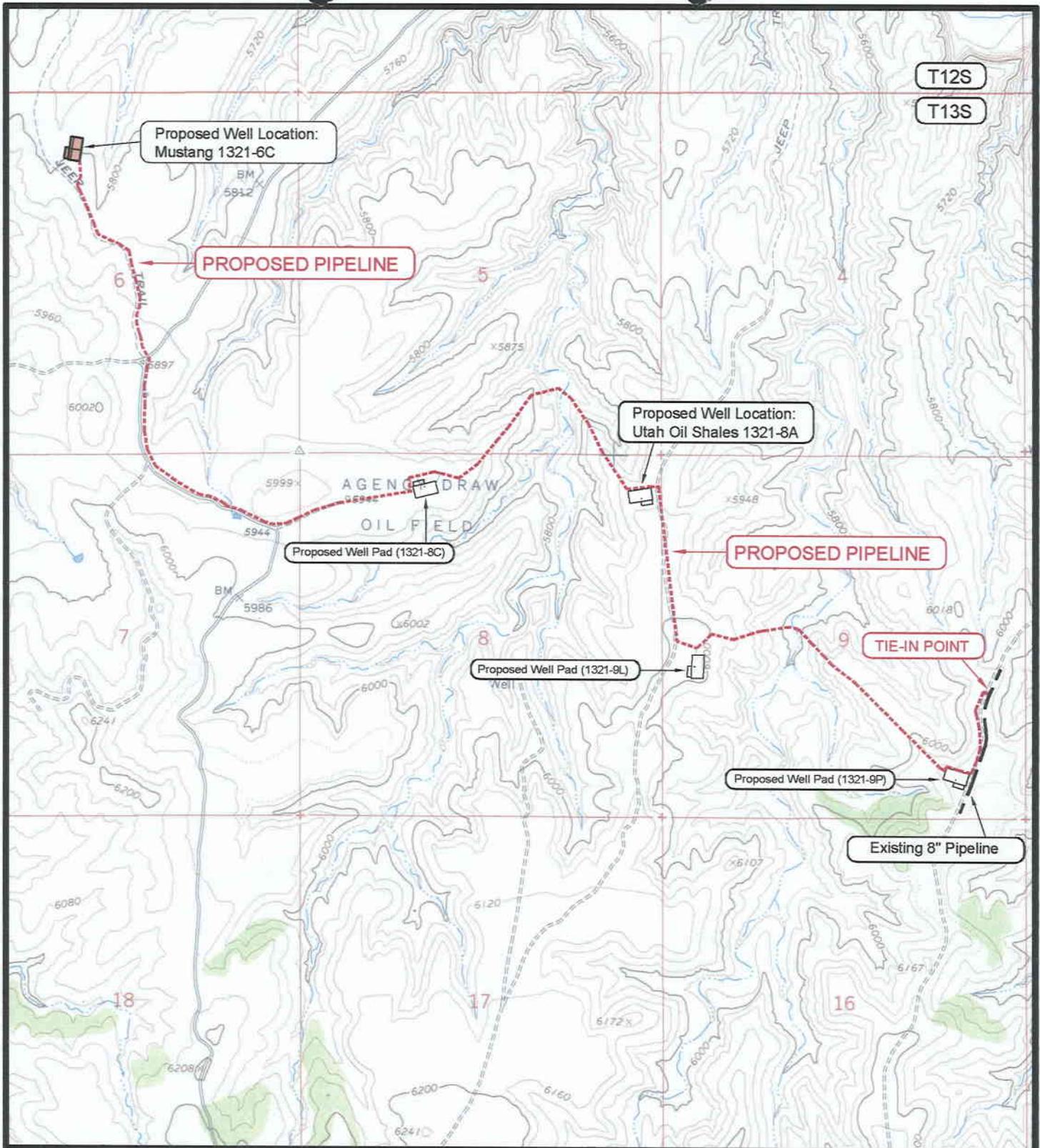
**Timberline Land Surveying, Inc.**

38 West 100 North Vernal, Utah 84076  
(435) 789-1365

**SHEET**

**9**

**OF 10**



**APPROXIMATE PIPELINE LENGTH = 23,090'**

**LEGEND**

-  = EXISTING PIPELINE
-  = PROPOSED PIPELINE
-  = PROPOSED ACCESS ROAD

**SLATE RIVER RESOURCES, LLC**

**Utah Oil Shales 1321-8A**  
**Proposed Pipeline from Well 1321-6C to Tie In**  
**SECTIONS 5, 6, 7, 8 & 9, T13S, R21E, S.L.B.&M.**  
**650' FNL & 313' FEL**

**TOPOGRAPHIC MAP "D-1"**

DATE SURVEYED: 2-17-05

DATE DRAWN: 2-23-05

SCALE: 1" = 2000'

DRAWN BY: J.R.S.

LATEST REVISION: 3-3-05



**Timberline Land Surveying, Inc.**

38 West 100 North Vernal, Utah 84078  
 (435) 789-1365

SHEET

**9a**

OF 10

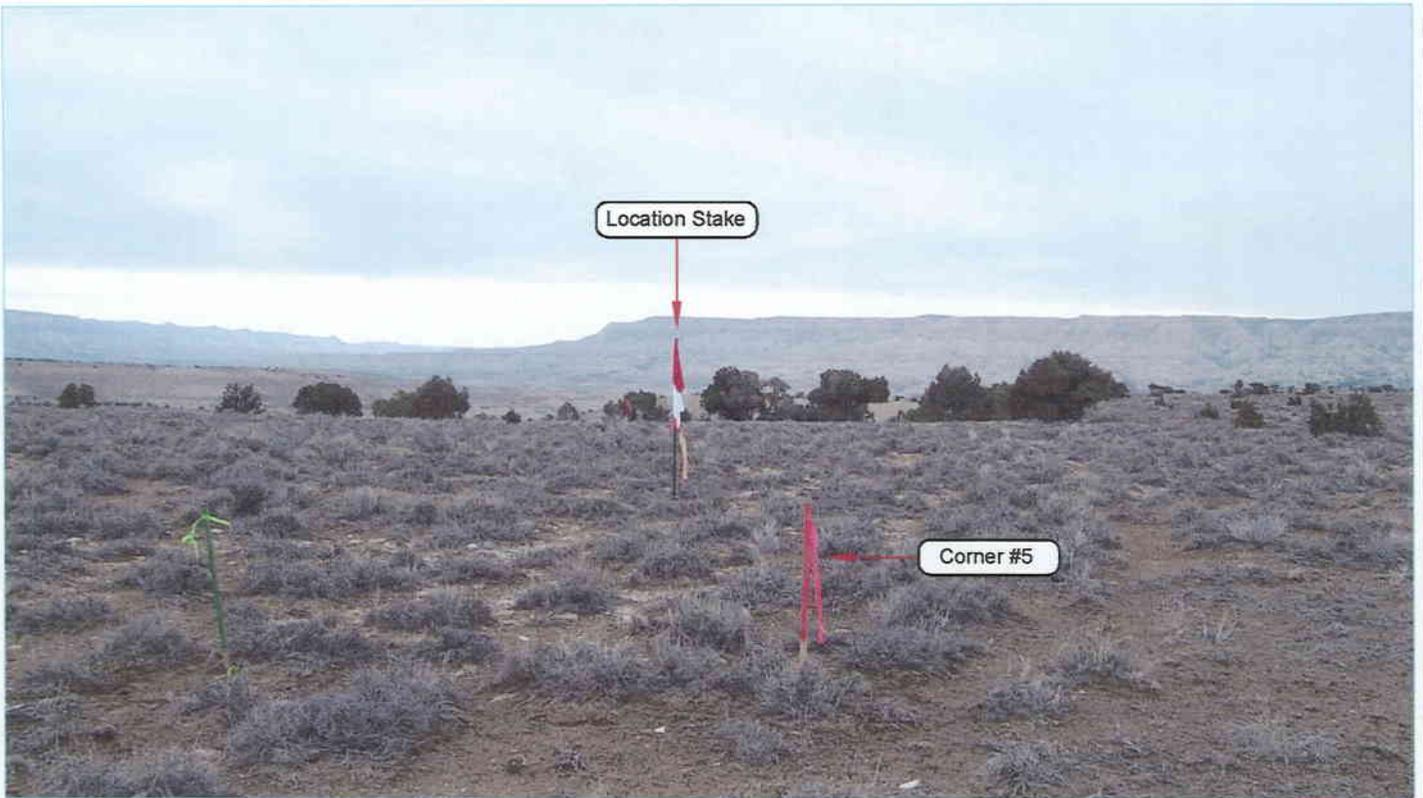


PHOTO VIEW: FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHERLY

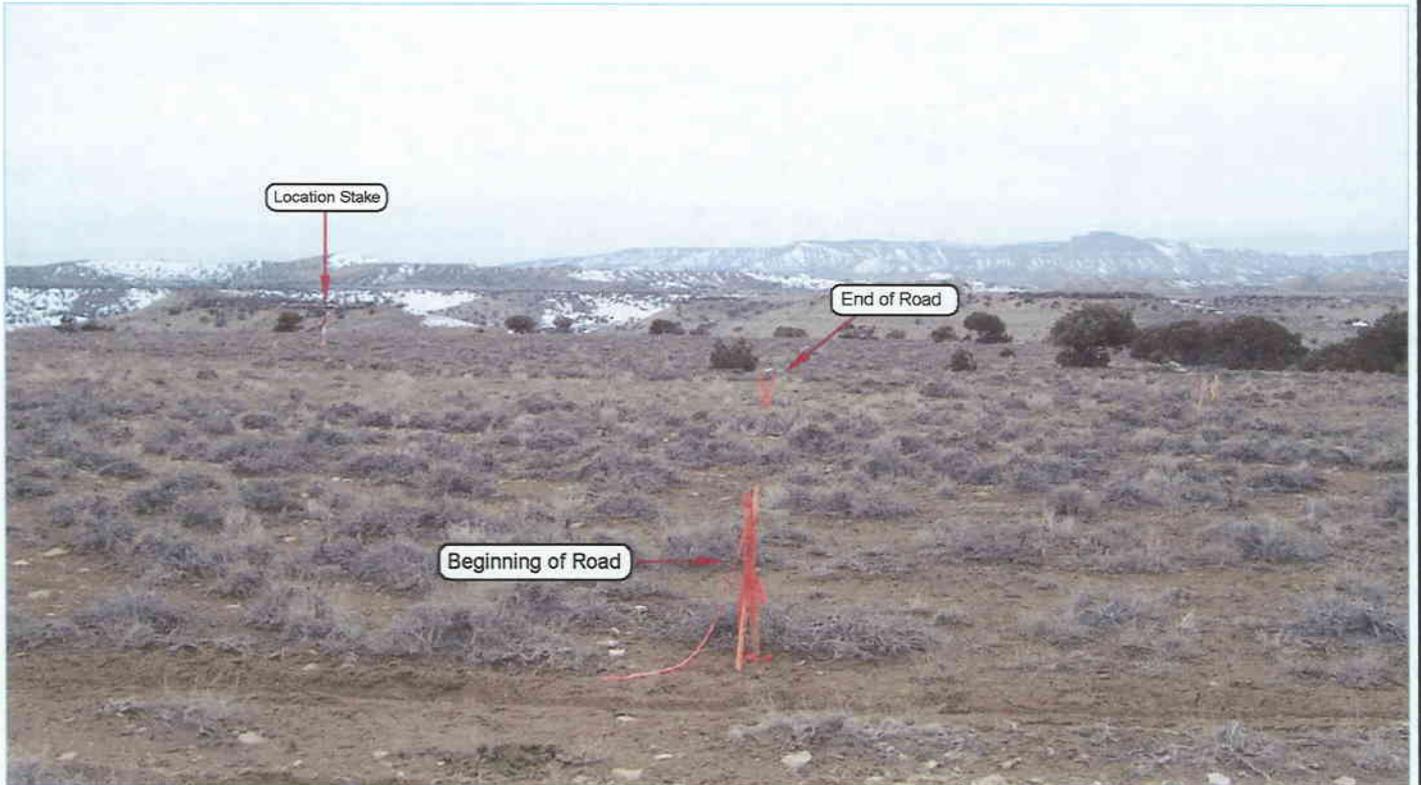


PHOTO VIEW: FROM BEGINNING OF PROPOSED ROAD

CAMERA ANGLE: WESTERLY

**SLATE RIVER RESOURCES, LLC**

**Utah Oil Shales 1321-8A  
SECTION 8, T13S, R21E, S.L.B.&M.  
650' FNL & 313' FEL**

**LOCATION PHOTOS**

TAKEN BY: K.K.

DRAWN BY: J.R.S.

DATE TAKEN: 2-17-05

DATE DRAWN: 2-23-05

REVISED:

**Timberline Land Surveying, Inc.**  
38 West 100 North Vernal, Utah 84078  
(435) 789-1365

SHEET  
**10**  
OF 10

**SLATE RIVER RESOURCES, LLC**  
**Utah Oil Shales 1321-8A**  
**Section 8, T13S, R21E, S.L.B.&M.**

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION ALONG STATE HIGHWAY 88 APPROXIMATELY 17 MILES TO OURAY, UTAH; FROM OURAY, PROCEED IN A SOUTHERLY DIRECTION ALONG THE SEEP RIDGE ROAD (COUNTY B ROAD 2810) APPROXIMATELY 29.4 MILES TO ITS INTERSECTION WITH THE BUCK CANYON ROAD (COUNTY B ROAD 5460); EXIT RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION ALONG THE BUCK CANYON ROAD APPROXIMATELY 3.2 MILES TO WILLOW CREEK; TURN RIGHT AND PROCEED IN A NORTHWESTERLY DIRECTION ALONG THE WILLOW CREEK ROAD (COUNTY B ROAD 5120) APPROXIMATELY 2.1 MILES TO ITS INTERSECTION WITH THE AGENCY DRAW ROAD (COUNTY B ROAD 5340); EXIT LEFT AND PROCEED IN A WESTERLY THEN SOUTHERLY DIRECTION ALONG THE AGENCY DRAW ROAD APPROXIMATELY 2.5 MILES TO ITS INTERSECTION WITH THE FLAT ROCK ROAD (COUNTY B ROAD 5450); EXIT LEFT AND PROCEED SOUTHERLY ALONG THE FLAT ROCK ROAD APPROXIMATELY 3.1 MILES TO A CLASS D COUNTY ROAD TO THE NORTHEAST; EXIT LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION ALONG THE COUNTY D ROAD APPROXIMATELY 2.5 MILES TO THE PROPOSED ACCESS ROAD; FOLLOW ROAD FLAGS IN A WESTERLY DIRECTION APPROXIMATELY 80 FEET TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 73.8 MILES.

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 03/09/2005

API NO. ASSIGNED: 43-047-36374

WELL NAME: UTAH OIL SHALES 1321-8A  
OPERATOR: SLATE RIVER RESOURCES ( N2725 )  
CONTACT: GINGER STRINGHAM

PHONE NUMBER: 435-790-4163

PROPOSED LOCATION:

NENE 08 130S 210E  
SURFACE: 0650 FNL 0313 FEL  
BOTTOM: 0650 FNL 0313 FEL  
UINTAH  
WILDCAT ( 1 )

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	DKD	4/21/05
Geology		
Surface		

LEASE TYPE: 4 - Fee  
LEASE NUMBER: FEE  
SURFACE OWNER: 4 - Fee  
PROPOSED FORMATION: MNCS  
COALBED METHANE WELL? NO

LATITUDE: 39.70662  
LONGITUDE: -109.5820

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[] Ind[] Sta[] Fee[]  
(No. B001556 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. 49-2179 )
- RDCC Review Y/N  
(Date: 04/02/2005 )
- Fee Surf Agreement Y/N

LOCATION AND SITING:

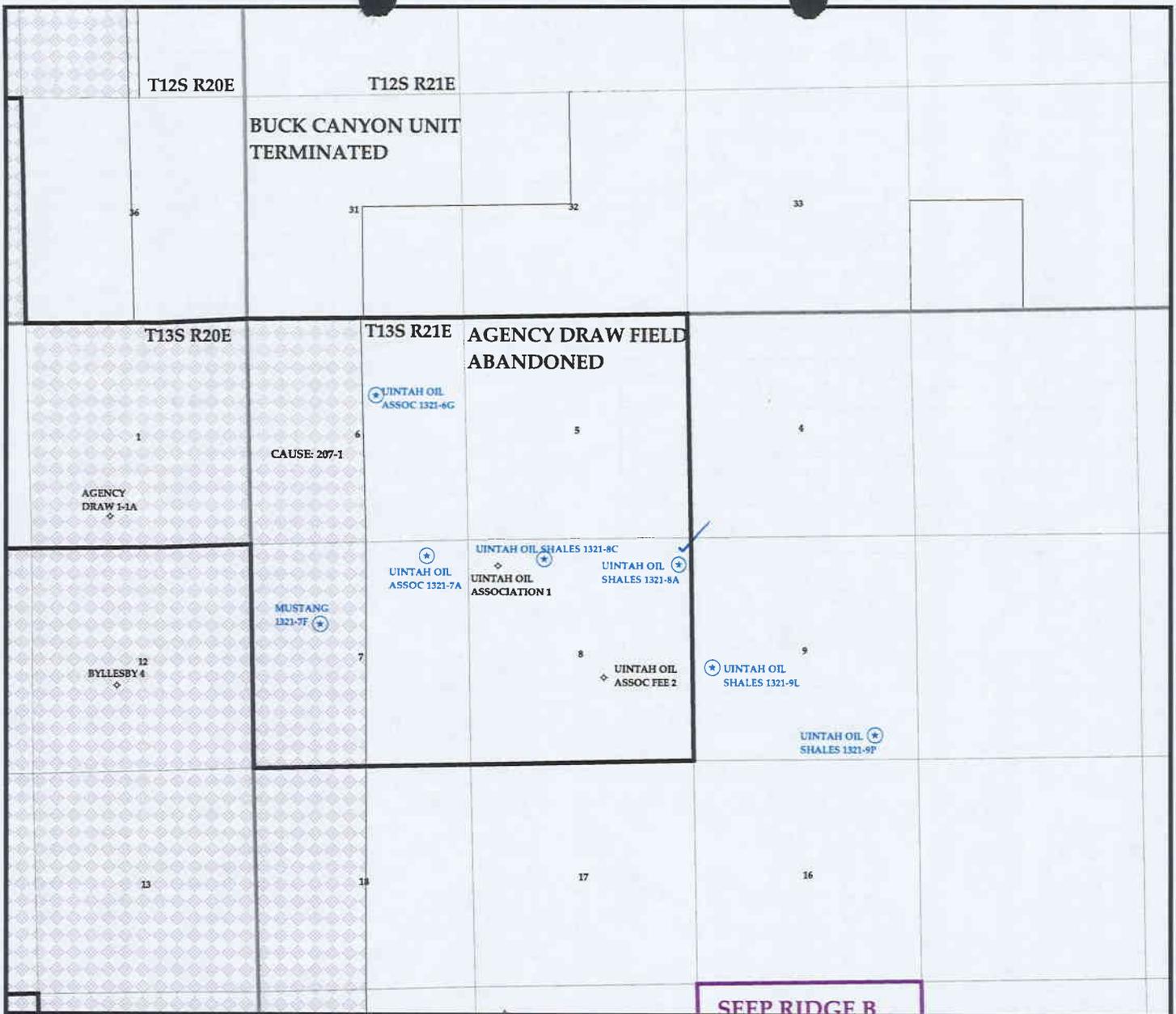
- R649-2-3.
- Unit \_\_\_\_\_
- R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit  
Board Cause No: \_\_\_\_\_  
Eff Date: \_\_\_\_\_  
Siting: \_\_\_\_\_
- R649-3-11. Directional Drill

COMMENTS:

Needs Preciso (04-08-05)

STIPULATIONS:

- 1- Spacing Strip
- 2- STATEMENT OF BASIS
- 3- Cement strip #3 - 4 1/2" production string cemented back to 2000' as indicated
- 4- RDCC COMMENTS



OPERATOR- SLATE RIVER RES LLC (N2725)

SEC. 8 T.13S R.21E

FIELD: WILDCAT (001)

COUNTY: UINTAH

SPACING: R649-3-3 / EXCEPTION LOCATION

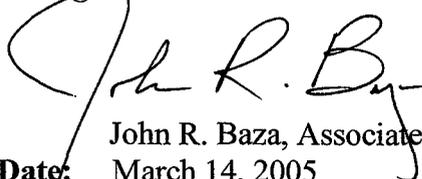


Wells	Units.shp	Fields.shp
♣ GAS INJECTION	□ EXPLORATORY	▬ ABANDONED
○ GAS STORAGE	□ GAS STORAGE	▬ ACTIVE
× LOCATION ABANDONED	□ NF PP OIL	▬ COMBINED
⊕ NEW LOCATION	□ NF SECONDARY	▬ INACTIVE
⊖ PLUGGED & ABANDONED	□ PENDING	▬ PROPOSED
⊛ PRODUCING GAS	□ PI OIL	▬ STORAGE
● PRODUCING OIL	□ PP GAS	▬ TERMINATED
⊙ SHUT-IN GAS	□ PP GEOTHERML	
⊕ SHUT-IN OIL	□ PP OIL	
× TEMP. ABANDONED	□ SECONDARY	
○ TEST WELL	□ TERMINATED	
▲ WATER INJECTION		
◆ WATER SUPPLY		
♣ WATER DISPOSAL		



PREPARED BY: DIANA WHITNEY  
DATE: 11-MARCH-2005

**STATE ACTIONS**  
**Resource Development Coordinating Committee**  
**Governor's Office of Planning and Budget**  
**5110 State Office Building**  
**SLC, UT 84114**  
**Phone No. 537-9230**

<b>1. State Agency</b> Oil, Gas and Mining 1594 West North Temple, Suite 1210 Salt Lake City, UT 84114-5801	<b>2. Approximate date project will start:</b>  Upon Approval or March 28, 2005
<b>3. Title of proposed action:</b> Application for Permit to Drill	
<b>4. Description of Project:</b>  Slate River Resources, LLC proposes to drill the Utah Oil Shales 1321-8A well (wildcat) on a Fee lease, Uintah County, Utah. This action is being presented to the RDCC for consideration of resource issues affecting state interests. The Division of Oil, Gas and Mining is the primary administrative agency in this action and must issue approval before operations commence.	
<b>5. Location and detailed map of land affected (site location map required, electronic GIS map preferred)</b> (include UTM coordinates where possible) (indicate county) 650' FNL 313' FEL, NE/4 NE/4, Section 8, Township 13 South, Range 21 East, Uintah County, Utah	
<b>6. Possible significant impacts likely to occur:</b> Surface impacts include up to five acres of surface disturbance during the drilling and completion phase (estimated for five weeks duration). If oil and gas in commercial quantities is discovered, the location will be reclaimed back to a net disturbance of between one and two acres – not including road, pipeline, or utility infrastructure. If no oil or gas is discovered, the location will be completely reclaimed.	
<b>7. Identify local government affected</b> a. Has the government been contacted? No. b. When? c. What was the response? d. If no response, how is the local government(s) likely to be impacted?	
<b>8. For acquisitions of land or interests in land by DWR or State Parks please identify state representative and state senator for the project area. Name and phone number of state representative, state senator near project site, if applicable:</b> a. Has the representative and senator been contacted? N/A	
<b>9. Areawide clearinghouse(s) receiving state action:</b> (to be sent out by agency in block 1) Uintah Basin Association of Governments	
<b>10. For further information, contact:</b>   Diana Whitney Phone: (801) 538-5312	<b>11. Signature and title of authorized officer</b>  John R. Baza, Associate Director Date: March 14, 2005

**Surface Owners: Fee Lands**  
Slate River Resources, LLC

**Utah Oil Shales 1321-8C**  
c/o Edward M. Bown  
1972 E Claremont Way  
Salt Lake City, UT 84108  
801-281-0930

**Uintah Oil Association 1321-7A**  
c/o Edward M. Bown  
1972 E Claremont Way  
Salt Lake City, UT 84108  
801-281-0930

**Utah Oil Shales 1321-8A**  
c/o Edward M. Bown  
1972 E Claremont Way  
Salt Lake City, UT 84108  
801-281-0930

**Mustang 1321-7F**  
c/o David Salter  
13439 Broadway Extension  
Oklahoma City, OK 73114-2202  
405-748-9464

**Mustang 1320-12A**  
c/o David Salter  
13439 Broadway Extension  
Oklahoma City, OK 73114-2202  
405-748-9464

**Uintah Oil Shales 1321-6G**  
c/o Edward M. Bown  
1972 E Claremont Way  
Salt Lake City, UT 84108  
801-281-0930

**Utah Oil Shales 1321-9P**  
c/o Edward M. Bown  
1972 E Claremont Way  
Salt Lake City, UT 84108  
801-281-0930

**Utah Oil Shales 1321-9L**  
c/o Edward M. Bown  
1972 E Claremont Way  
Salt Lake City, UT 84108  
801-281-0930

**Mustang 1320-11**  
c/o David Salter  
13439 Broadway Extension  
Oklahoma City, OK 73114-2202  
405-748-9464

**Mustang 1321-6C**  
c/o David Salter  
13439 Broadway Extension  
Oklahoma City, OK 73114-2202  
405-748-9464

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MAR 15 2005  
DIV. OF OIL, GAS & MINING

003

# FAX TRANSMISSION

## SLATE RIVER RESOURCES, LLC

1600 Broadway, Suite 900

Denver, Colorado 80202

office: 303-592-4444

direct: 303-592-4448

fax: 303-592-4440

**To:** Diana Whitney, DOGM  
Ginger Stringham

**Date:** March 16, 2005

**Fax #:** 801-359-3940  
435-789-0255

**Pages:** 4, including this cover sheet.

**From:** Bruce E. Johnston

**Subject:** Surface Use Agreement – Utah Oil Shales, Inc. and Uintah Oil Association

Attached is a letter executed by Utah Oil Shales and Uintah Oil Association dated March 15, 2005 covering surface use and damages for wells on the two Oil and Gas Leases covering 4,317 acres. Your assistance in getting on-sites set up as soon as possible for the wells on these leases is appreciated. If you have any questions, call me at 303-592-4448 or 303-880-1343.

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MAR 16 2005  
DIV. OF OIL, GAS & MINING

From the desk of...  
Bruce E. Johnston  
Vice President Land  
Slate River Resources, LLC  
1600 Broadway, Suite 900  
Denver, CO 80202  
bjohnston@slriver.com  
direct: 303-592-4448  
Cell 303-880-1343  
Fax: 303-592-4440



# Slate River Resources, LLC

1800 Broadway, Suite 900  
Denver, Colorado 80202

Page 1 of 3

March 15, 2005

Utah Oil Shales, Inc.  
c/o Mr. Ed Bown  
Utah Oil Association  
c/o Mr. Ernie D. Newman  
1972 E. Claremont Way  
Salt Lake City, UT 84108  
Fax 801-981-0988

Re: Surface Use and Damage Agreement  
Utah Oil Shales, Inc. Oil & Gas Lease  
T139-F21E  
Sec 4: Lots 1,2,3,4, S/2NW/4, S/2  
Sec 5: Lot 1, SE/4NE/4, E/2SE/4  
Sec 6: E/2E/2, SW/4SE/4  
Sec 8: All  
Sec 16: W/2  
Sec 17: E/2

Utah Oil Association Oil & Gas Lease  
T139-F21E  
Sec 31: SE/4  
Sec 32: S/2  
T139-F21E  
Sec 2: Lots 2,3,4, S/2NW/4,  
SW/4NE/4, SW/4, W/2SE/4  
Sec 6: Lots 1,2, S/2NE/4, SE/4  
Sec 7: E/2  
Sec 8: W/2, W/2NE/4, NW/4SE/4  
2,039.98 acres

2,279.69 acres  
Utah County, Utah

Dear Mr. Bown and Mr. Newman:

Utah Oil Association and Utah Oil Shales, Inc. own the surface and minerals within two Oil and Gas Leases dated May 1, 1969 recorded in Book 708, page 890 and page 829 of the Utah County, Utah records covering 4,917.95 acres described above. Mustang Fuel Corporation, 15459 Broadway Extension, Oklahoma City, Oklahoma 73114 as lessee for the two leases assigned 80% of the leases to Slate River Resources, LLC, 1800 Broadway, Suite 900, Denver, Colorado 80202 by assignment dated February 14, 2005 and recorded in Book 915, Page 208. Slate River Resources, LLC is the operator of the two leases.

The surface owners and lessees wish to enter into an agreement covering the access and payment of damages on the Oil and Gas Leases for the exploration and production of oil and gas. This agreement is supplemental to and subject to the terms of the two Oil and Gas Leases referenced in the paragraph above.

**Surface Operations** With respect to operations conducted on and production from the leased premises and during the term of the leases, the following shall control:

(a) Lessee shall make a good faith effort to use existing roadways and a minimal amount of production facilities whenever practicable and to limit the amount of new road construction on the leased premises. Lessee agrees to maintain and keep all lease roads, gates and cattle

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DIV. OF OIL, GAS & MINING



## Slate River Resources, LLC

1600 Broadway, Suite 300  
Denver, Colorado 80202

Page 2 of 3

guards in satisfactory condition. Prior to the commencement of any operations (other than staking of location) for the drilling of any well hereunder affecting surface owned by Surface Owner or any of its affiliate or subsidiary companies, Lessee shall provide for such surface owner's consent a plat reflecting its proposed route of ingress and egress to the well location and stating the length of any new road(s) proposed to be constructed for such well. Said

surface owner's consent to the proposed route and any associated road construction shall not be unreasonably withheld. Upon completion of any operation performed pursuant to this lease, Lessee shall restore the affected surface as nearly as practicable to its condition prior to such operation.

(b) Prior to the commencement of drilling operations, Lessee shall pay the surface owner for surface damage, the sum of:

(i). \$2500 for each well permitted to a proposed depth down to the base of the Mancos formation, or

(ii). \$5000 for each well permitted to a proposed depth deeper than the base of the Mancos formation.

(c) Damages to be paid to the surface owner for construction of new road or for laying of new pipeline shall be calculated on the basis of \$ 10.00 per linear rod.

(d) Salt water shall not be disposed of on the leased premises without the written consent of the appropriate surface owner. No hunting or fishing shall be allowed on the leased premises by Lessee or any of its contractors, subcontractors, etc. without the written consent of the surface owner. Lessee shall keep the leased premises free and clear of trash and debris.

(e) Lessee recognizes that the leased premises may be subject to leases covering other surface activities, including the grazing of livestock and/or the removal of stone for commercial purposes. In this regard Lessee agrees to conduct its operations in such a manner as to cause minimal disturbance to or interference with said activities.

In addition, in accordance with the terms of the Oil and Gas Leases referred to above enclosed is a copy of the recorded Partial Assignment of Oil & Gas Leases from Mustang Fuel Corporation conveying 50% of its leasehold interest to Slate River Resources, LLC.

Slate River Resources, LLC in compliance with State of Utah Drilling and Operating Practices - Bonding, Rule 649-S-1 has obtained a statewide Surety Bond No.B001558 in the amount of \$120,000, with U.S. Specialty Insurance Company as Surety and payable to the Director of Utah Division of Oil, Gas and Mining. A copy of the bond is attached for your files.

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MAR 16 2005

DIV. OF OIL, GAS & MINING

03/16/2005 14:31 28105  
03/16/2005 08:55 FAX 3035924440

BOWN  
SLATE RIVER

PAGE 04  
003/008



**Slate River Resources, LLC**

1800 Broadway, Suite 900  
Denver, Colorado 80202

Page 3 of 3

Please sign and return a copy of this letter indicating acceptance of the Surface access and damage provisions provided herein. Prior to each well being drilled or new construction operation we will provide you with a plat of the location and payment for the well, roadway and pipeline access.

Sincerely,

*Bruce E. Johnston*  
Bruce E. Johnston  
Vice President and  
GEJ/100

Provisions herein accepted this 12<sup>th</sup> day of March, 2005.  
Utah Oil Association

By *Eshel D. Newman*  
Eshel D. Newman President

Utah Oil Shales, Inc.  
By *Edward M. Bown*  
Edward M. Bown President

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MAR 16 2005

DIV. OF OIL, GAS & MINING

**From:** Robert Clark  
**To:** Whitney, Diana  
**Date:** 3/21/2005 9:12:21 AM  
**Subject:** DAQ Comments on seven Application to Drill proposals (RDCC #'s 5011-5016 and 5031)

The following comments are submitted in response to seven Application to Drill proposals; RDCC #'s 5011 - 5016 and 5031.

Due to the short turn around time involved, these comments are submitted directly to DOG&M rather than to Carolyn Wright at RDCC. The comments submitted are applicable to all seven applications.

**Comments begin:** The proposed well drilling project may require a permit, known as an Approval Order, from the Utah Division of Air Quality if any compressor stations are constructed at the site. A permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, SLC, UT, 84116 for review according to the Utah Air Conservation Rule R307-400, Permits, Notice of Intent and Approval Order.

The proposed well drilling project is also subject to Utah Air Conservation Rule R307-205-3, Fugitive Dust, due to the fugitive dust that is generated during the excavating phases of the project. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Division of Air Quality, but steps need to be taken to minimize fugitive dust, such as, watering and/or chemical stabilization, providing vegetative or synthetic cover and windbreaks. A copy of the rules are found at [www.rules.utah.gov/publicat/code/r307/r307.htm](http://www.rules.utah.gov/publicat/code/r307/r307.htm) . **Comments end.**

Robert Clark  
Utah Division of Air Quality  
536-4435

**CC:** Dave Mcneill; Wright, Carolyn

**ON-SITE PREDRILL EVALUATION**  
**Division of Oil, Gas and Mining**

OPERATOR: Slate River Resources, LLC

WELL NAME & NUMBER: Utah Oil Shales 1321-8A

API NUMBER: 43-047-36374

LEASE: Fee FIELD/UNIT: Wildcat

LOCATION: 1/4,1/4 NENE Sec: 8 TWP: 13S RNG: 21E 650 FNL 313 FEL

LEGAL WELL SITING: 460 F SEC. LINE; 460 F 1/4,1/4 LINE; 920 F ANOTHER WELL.

GPS COORD (UTM): X =621565 E; Y =4395948 N SURFACE OWNER: Fee

**PARTICIPANTS**

Bart Kettle(DOGM), Ginger Stringham (Permit Agent), Jim (Dirt Contractor), John Conley (Slate River), Kolby Kay (Timberline Land Surveying) and Floyd Bartlett (DWR).

**REGIONAL/LOCAL SETTING & TOPOGRAPHY**

Proposed location is ~74 miles south of Vernal, Uintah County, Utah. The immediate area surrounding the proposed well is steep rocky canyons and dry washes, vegetation is dominated by salt scrub and Pinyon/Juniper communities. The proposed location sits in an 8-10" precipitation zone, ground cover is sparse and soils are erosive in nature. Slopes are generally steep with shallow soils and mudstone or shale outcrops. Access to this well will be along existing county roads and a two track road that will be upgraded. Drainage is to the northwest entering Willow Creek ~2.5 miles away. There are no observed perennial water sources in close proximity to the well and dry washes appear to only flow during spring snow melt and extreme rain events.

**SURFACE USE PLAN**

CURRENT SURFACE USE: Seasonal sheep grazing, wildlife habitat.

PROPOSED SURFACE DISTURBANCE: 340' x 250', 80' of new access road.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: Abandoned Well: Fee#2 and UOA#1

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: Production facilities such as separators, dehydrators, flow meters and tanks will be located on-site. The Sales Gas line will be installed if the well is capable or economic production.

SOURCE OF CONSTRUCTION MATERIAL: On-site

ANCILLARY FACILITIES: None required

WILL DRILLING AT THIS LOCATION GENERATE PUBLIC INTEREST OR CONCERNS?  
(EXPLAIN): Drilling at this location is not expected to generate public interest.

WASTE MANAGEMENT PLAN:

Garbage and other trash will be contained in a self-contained trash container. Refuse will be transported to an approved sanitary landfill. Sewage will be handled in self-contained portable toilets and contents hauled off location to an authorized facility in accordance with State and local regulations.

Reserve pit will be fenced and lined according to procedures submitted in the Application to Drill. Drill cuttings will be constrained in the reserve pit. Produced liquid hydrocarbons will be constrained in test tanks during completion and testing.

ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: Well pad is located at the top of a small mesa, construction at this location is not expected to significantly alter function or sediment loads of any floodplains or wetlands. Small intermittent springs are often located along draws and washes in the area, no such water sources were observed on the on-site.

FLORA/FAUNA: Mule Deer, Elk, rabbits, rodents, songbirds, raptors, lizards and snakes.

Grasses: Curly galleta. Forbs: desert parsley. Shrubs: Black sage, winterfat, broom snakeweed, birchleaf mahogany, spiny phlox, and gray horsebrush. Trees: Utah Juniper

SOIL TYPE AND CHARACTERISTICS: Light brown silty clay, gray shale.

SURFACE FORMATION & CHARACTERISTICS: Green River Formation. Formation consists of steep canyons and small mesas. Gray shale and mudstone fragments cover much of the surface area.

EROSION/SEDIMENTATION/STABILITY: Fine soils prone to wind erosion. Soils are erosive in nature, with topsoil absent or a thin layer over most of the area. All soils are subject to significant erosion during rain events sufficient to create flows.

PALEONTOLOGICAL POTENTIAL: None noted

RESERVE PIT

CHARACTERISTICS: 60'x160'x8'

LINER REQUIREMENTS (Site Ranking Form attached): Liner is required

SURFACE RESTORATION/RECLAMATION PLAN

As per surface use agreement

SURFACE AGREEMENT: Signed.

CULTURAL RESOURCES/ARCHAEOLOGY:

OTHER OBSERVATIONS/COMMENTS

Excavation of pit is likely to expose sharp rocks, felt liner may be require to prevent liner from being punctured. Site is classified as sage grouse brooding area (no near by leks) critical deer winter range, and substantial in value elk winter range. Deer pellet count reasonably abundant in the area. Golden eagle nest ¼ mile from closest well. Could be ferruginous hawks in scattered juniper, no nests in P/J observed during on-site. Direct loss of winter forage will occur from road and pad construction. Increased use of access road will create indirect loss of habitat. Impacts can be reduced by re-vegetating unused portions of pad and not constructing road or pad, or drilling from Dec. 2 thru March 1. Location has been used as sheep bed ground, precautions should be taken to prevent conflicts between livestock and oil and gas users. Drilling water will be pumped to location from Willow Creek, permit#-T75377.

ATTACHMENTS

Photos of this location were taken and placed on file.

Bart Kettle  
DOGM REPRESENTATIVE

April 13, 2005 2:37 P.M.  
DATE/TIME

**Evaluation Ranking Criteria and Ranking Score  
For Reserve and Onsite Pit Liner Requirements**

<u>Site-Specific Factors</u>	<u>Ranking</u>	<u>Site Ranking</u>
Distance to Groundwater (feet)		
>200	0	
100 to 200	5	
75 to 100	10	
25 to 75	15	
<25 or recharge area	20	<u>0</u>
Distance to Surf. Water (feet)		
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	
< 100	20	<u>0</u>
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	20	<u>0</u>
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	
<300	20	<u>0</u>
Native Soil Type		
Low permeability	0	
Mod. permeability	10	
High permeability	20	<u>10</u>
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	10	
TDS >10000 or Oil Base Mud Fluid	15	
containing significant levels of hazardous constituents	20	<u>5</u>
Drill Cuttings		
Normal Rock	0	
Salt or detrimental	10	<u>0</u>
Annual Precipitation (inches)		
<10	0	
10 to 20	5	
>20	10	<u>5</u>
Affected Populations		
<10	0	
10 to 30	6	
30 to 50	8	
>50	10	<u>0</u>
Presence of Nearby Utility Conduits		
Not Present	0	
Unknown	10	
Present	15	<u>0</u>

**Final Score**      20      (Level I Sensitivity)

Sensitivity Level I = 20 or more; total containment is required, consider criteria for excluding pit use.

Sensitivity Level II = 15-19; lining is discretionary.

Sensitivity Level III = below 15; no specific lining is required.



**DIVISION OF OIL, GAS AND MINING  
APPLICATION FOR PERMIT TO DRILL  
STATEMENT OF BASIS**

**OPERATOR:** Slate River Resources, LLC  
**WELL NAME & NUMBER:** Utah Oil Shales 1321-8A  
**API NUMBER:** 43-047-36374  
**LOCATION:** 1/4,1/4 NENE Sec:8 TWP: 13S RNG: 21E 650 FNL 313 FEL

**Geology/Ground Water:**

Slate River proposes to set 2,000' of surface casing at this location. The base of the moderately saline water is at approximately 3,400 feet in this area. This location lies on the Green River Formation. The proposed location is in a recharge area for the aquifers of the Green River Formation and fresh water can be expected to be found in the Green River. A search of Division of Water Rights records indicates no water wells within a 10,000 foot radius of the proposed location. The proposed casing and cement program should adequately protect any useable ground water.

**Reviewer:** Brad Hill **Date:** 04-14-05

**Surface:**

On-site conducted April 8, 2005. In attendance: Bart Kettle (DOGM), Ginger Stringham (Agent), Jim (Dirt Contractor), John Conely (Slate River), Kolby Kay (Timberline Land Surveying) and Floyd Bartlett (DWR), invited but choosing not to attend Ed Bonner (SITLA).

Per surface use proposal in Application for Permit to Drill reserve pit will be lined and fenced on three sides while well is being drilled, with the fourth side being fenced immediately upon completion of drilling. A felt pad maybe required to prevent sharp rock from puncturing liner. Historically the surface has been used to graze sheep, as staked the location lies within an area that has been used in the past as sheep bedding ground. Construction of a location will facilitate further use as a sheep bed ground, precautions may be required to avoid conflicts between livestock and oil and gas users. Significant wildlife concerns exist, DWR encourages use restrictions but surface owner will dictate stipulations.

**Reviewer:** Bart Kettle **Date:** April 13, 2005

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

1. A synthetic liner with a minimum thickness of 12 mils shall be properly installed and maintained in the reserve pit.

Well name:	<b>04-05 Slate River Utah Oil Shales 1321-8A</b>		
Operator:	<b>Slate River Resources, LLC</b>		
String type:	Surface	Project ID:	43-047-36374
Location:	Uintah County		

<b>Design parameters:</b>	<b>Minimum design factors:</b>	<b>Environment:</b>
<u><b>Collapse</b></u>	<u><b>Collapse:</b></u>	H2S considered? No
Mud weight: 8.400 ppg	Design factor 1.125	Surface temperature: 75 °F
Design is based on evacuated pipe.		Bottom hole temperature: 103 °F
		Temperature gradient: 1.40 °F/100ft
		Minimum section length: 1,500 ft
	<u><b>Burst:</b></u>	Cement top: 508 ft
<u><b>Burst</b></u>	Design factor 1.00	
Max anticipated surface pressure: 1,760 psi		Non-directional string.
Internal gradient: 0.120 psi/ft	<u><b>Tension:</b></u>	
Calculated BHP 2,000 psi	8 Round STC: 1.80 (J)	
No backup mud specified.	8 Round LTC: 1.80 (J)	
	Buttress: 1.60 (J)	
	Premium: 1.50 (J)	
	Body yield: 1.50 (B)	
	Tension is based on buoyed weight.	<b>Re subsequent strings:</b>
	Neutral point: 1,753 ft	Next setting depth: 8,000 ft
		Next mud weight: 9.000 ppg
		Next setting BHP: 3,740 psi
		Fracture mud wt: 19.250 ppg
		Fracture depth: 2,000 ft
		Injection pressure 2,000 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	2000	9.625	32.30	H-40	ST&C	2000	2000	8.876	126.8

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	873	1370	1.570	2000	2270	1.13	57	254	4.48 J

Prepared by: Clinton Dworshak Utah Div. of Oil & Mining	Phone: 801-538-5280 FAX: 801-359-3940	Date: April 18, 2005 Salt Lake City, Utah
--	--	--

Remarks:  
Collapse is based on a vertical depth of 2000 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	<b>04-05 Slate River Utah Oil Shales 1321-8A</b>		
Operator:	<b>Slate River Resources, LLC</b>		
String type:	Production	Project ID:	43-047-36374
Location:	Uintah County		

**Design parameters:**

**Collapse**

Mud weight: 9.000 ppg  
 Design is based on evacuated pipe.

**Burst**

Max anticipated surface pressure: 3,005 psi  
 Internal gradient: 0.092 psi/ft  
 Calculated BHP: 3,740 psi  
  
 No backup mud specified.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Tension:**

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

Tension is based on buoyed weight.  
 Neutral point: 6,923 ft

**Environment:**

H2S considered? No  
 Surface temperature: 75 °F  
 Bottom hole temperature: 187 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 1,500 ft  
  
 Cement top: 4,243 ft

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	8000	4.5	11.60	M-80	LT&C	8000	8000	3.875	185.4
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	3740	6350	1.698	3740	7780	2.08	80	267	3.33 B

Prepared by: Clinton Dworshak  
 Utah Div. of Oil & Mining

Phone: 801-538-5280  
 FAX: 801-359-3940

Date: April 18, 2005  
 Salt Lake City, Utah

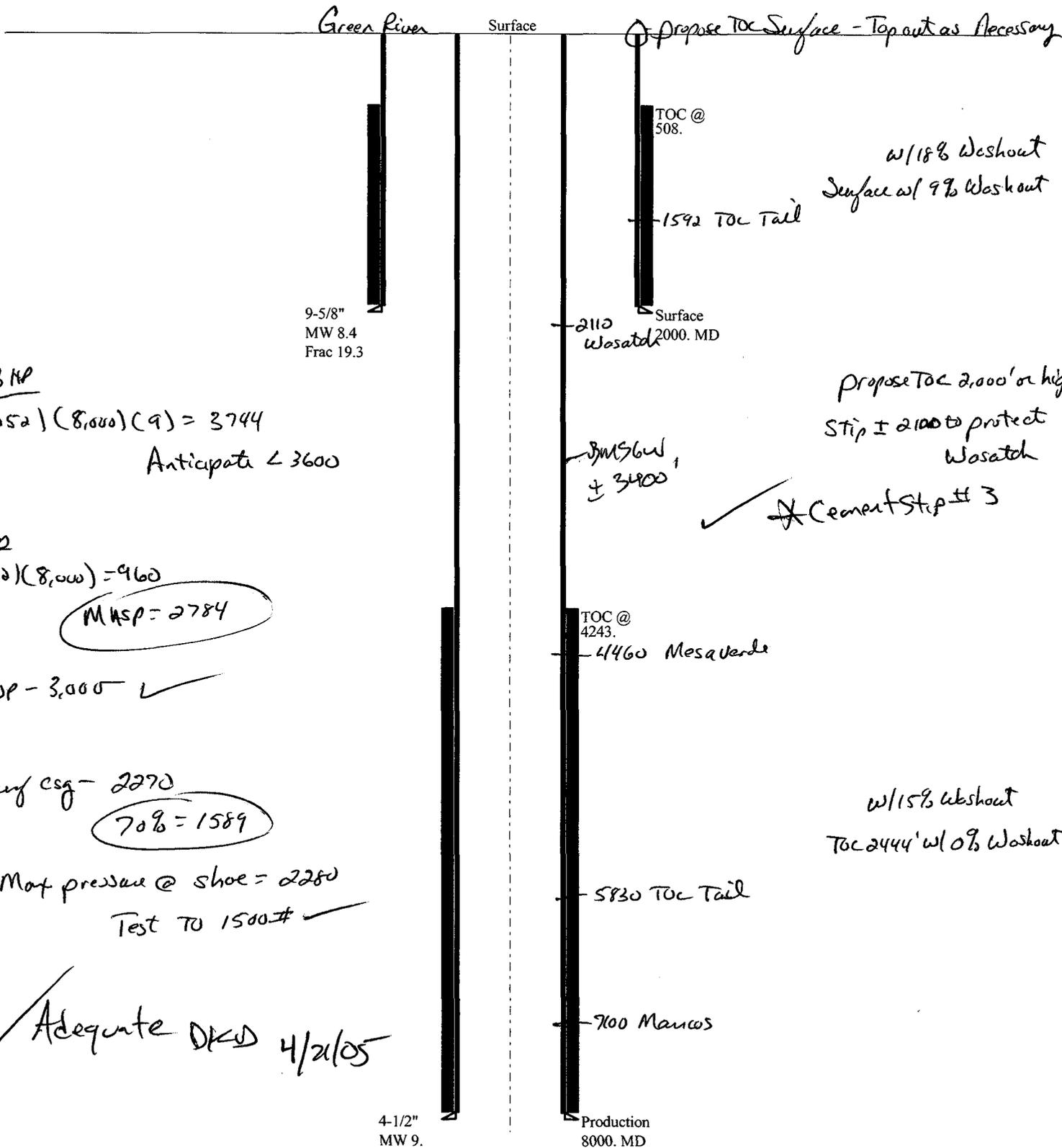
Remarks:

Collapse is based on a vertical depth of 8000 ft, a mud weight of 9 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

05 Slate River Utah Oil Shales 1321-8A

Casing Schematic



BHP  
 $(.052)(8,000)(9) = 3744$   
 Anticipate  $< 3600$

GCS  
 $(.12)(8,000) = 960$   
 MASP = 2784

BOP - 3,000 ✓

Surf csg - 2270  
 70% = 1589

Max pressure @ shoe = 2280  
 Test to 1500# ✓

✓ Adequate D/K/D 4/2/05

w/18% Washout  
 Surface w/ 9% Washout

Propose TOC 2,000' or higher  
 Strip  $\pm 2000$  to protect  
 Wasatch

✓ Cement Strip # 3

w/15% Washout  
 TOC 2444' w/ 0% Washout

**State of Utah****Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

MARY ANN WRIGHT  
*Acting Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

April 21, 2005

Slate River Resources, LLC  
418 East Main Street  
Vernal, Utah 84078

Re: Utah Oil Shales 1321-8A Well, 650' FNL, 313' FEL, NE NE, Sec. 8,  
T. 13 South, R. 21 East, Uintah County, Utah

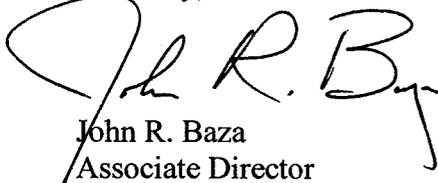
Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

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. The API identification number assigned to this well is 43-047-36374.

Sincerely,



John R. Baza  
Associate Director

jc  
Enclosures

cc: Uintah County Assessor

**Operator:** Slate River Resources, LLC  
**Well Name & Number** Utah Oil Shales 1321-8A  
**API Number:** 43-047-36374  
**Lease:** Fee

**Location:** NE NE                      **Sec.** 8                      **T.** 13 South                      **R.** 21 East

### Conditions of Approval

1. 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.

2. Notification Requirements

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

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

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

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

3. 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.

4. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

5. Operator shall comply with applicable recommendations resulting from Resource Development Coordinating Committee review. Statements attached.

6. Cement volume for the 4 ½" production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 2000' MD as indicated in the submitted drilling plan.

Page 2

API No. 43-047-36374

April 21, 2005

7. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

FORM 9

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

1. Type of Well: OIL  GAS  OTHER:

2. Name of Operator:  
SLATE RIVER RESOURCES, LLC

3. Address and Telephone Number:  
418 E. MAIN VERNAL, UT 84078

4. Location of Well:  
Footage: 650' FNL & 313' FEL  
Q. Sec., T., R., M.: NE/NE SEC 8 T13S R21E SLC MERIDIAN

5. Lease Designation and Serial Number:  
FEE  
6. If Indian, Allottee or Tribe Name:  
7. Unit Agreement Name:  
8. Well Name and Number:  
UTAH OIL SHALES 1321-8A  
9. API Well Number:  
43-047-38374  
10. Field and Pool, or Wildcat:  
WILDCAT

CONFIDENTIAL

County: UINTAH  
State: UT

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

NOTICE OF INTENT  
(Submit in Duplicate)

- Abandon
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Multiple Completion
- Other
- New Construction
- Pull or Alter Casing
- Recomplete
- Reperforate
- Vent or Flare
- Water Shut-Off

SUBSEQUENT REPORT  
(Submit Original Form Only)

- Abandon\*
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Other
- New Construction
- Pull or Alter Casing
- Reperforate
- Vent or Flare
- Water Shut-Off

Approximate date work will start 11/10/2005

Date of work completion \_\_\_\_\_  
Report results of Multiple Completions and Recompletions to different reservoirs on WELL  
COMPLETION OR RECOMPLETION REPORT AND LOG form.  
\* Must be accompanied by a cement verification report.

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent data. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

Slate River Resources requests approval to amend the depth of the surface casing in the previously approved APD from 2000' to 1800'.

Surface casing to be run will remain the same: New 9-5/8" 32# H-40 ST&C casing.  
The cementing program will remain the same with the exception of the cement volume which will be based on the shorter depth.

CONFIDENTIAL

13. Name and Signature: Lucy Nemeo Title: SR. Operations Spec Date: 01-Nov-05  
Lucy Nemeo

(This space for State use only.)

APPROVED BY THE STATE  
DIVISION OF OIL, GAS AND MINING  
(See instructions on Reverse Side)

APPROVED BY THE STATE  
11-8-05  
LAD

(4/94)

BY: D. Williams

RECEIVED  
NOV 01 2005  
DIV. OF OIL, GAS & MINING

418 E. Main Street  
Vernal, UT 84078  
Office: 435-781-1870  
Fax: 435-781-1875

**SLATE RIVER  
RESOURCES, LLC**

# Fax

<b>To:</b>	Dustin Ducet	<b>From:</b>	Lucy Nemeč
<b>Company:</b>	DOGM	<b>Company:</b>	Slate River Resources
<b>Fax:</b>	801-359-3940	<b>Pages:</b>	3
<b>Phone:</b>		<b>Date:</b>	11/1/02
<b>Re:</b>	Change in Depth of Surface Casing	<b>cc:</b>	

Urgent     For Review     Please Comment     Please Reply     Please Recycle

• **Comments:**

Please call if you have any questions 435-781-1870

Lucy

RECEIVED  
NOV 01 2005  
DIV. OF OIL, GAS & MINING

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**DIVISION OF OIL, GAS AND MINING**

**SPUDDING INFORMATION**

Name of Company: SLATE RIVER RESOURCES LLC

Well Name: UTAH OIL SHALES 1321-8A

Api No: 43-047-36374 Lease Type: FEE

Section 08 Township 13S Range 21E County UINTAH

Drilling Contractor PETE MARTIN'S RIG # BUCKET

**SPUDDED:**

Date 11/20/05

Time \_\_\_\_\_

How DRY

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

Reported by MIKE LINDSAY

Telephone # 1-435-828-7960

Date 11/21/2005 Signed CHD

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

FORM 6

ENTITY ACTION FORM

Operator: SLATE RIVER RESOURCES, LLC Operator Account Number: N 2725  
 Address: 418 E. MAIN ST. STE #18  
city VERNAL  
state UT zip 84078 Phone Number: (435) 781-1870

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304736374	UTAH OIL SHALES 1321-8A		NENE	8	13	21	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	15071	11/20/2005		11/23/05		
Comments: MIRU PETE MARTIN BUCKET TRUCK <i>MNCS</i> <b>CONFIDENTIAL</b> J SPUD @ 10:00 A.M. ON 11/20/05							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

LUCY NEMEC

Name (Please Print)

*Lucy Nemece*

Signature

Sr. Operations Specialist

11/20/2005

Title

Date

(5/2000)

RECEIVED

NOV 21 2005

DIV. OF OIL, GAS & MINING

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

DEC 30 2005

5. Lease Designation and Serial Number:

FEE

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

6. If Indian, Allottee or Tribe Name:

7. Unit Agreement Name:

8. Well Name and Number:

UTAH OIL SHALES 1321-8A

9. API Well Number:

43-047-36374

10. Field and Pool, or Wildcat:

WILDCAT

1. Type of Well: OIL  GAS  OTHER:

2. Name of Operator:

SLATE RIVER RESOURCES, LLC

**CONFIDENTIAL**

3. Address and Telephone Number:

418 E. MAIN VERNAL, UT 84078

4. Location of Well:

Footages: 650' FNL & 313' FEL

County: UINTAH

QQ, Sec., T., R., M.: NE/NE SEC 8 T13S R21E SLC MERIDIAN

State: UT

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

**NOTICE OF INTENT**

(Submit in Duplicate)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon                   | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing             | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans           | <input type="checkbox"/> Recomplete           |
| <input type="checkbox"/> Convert to Injection      | <input type="checkbox"/> Reperforate          |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion       | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other _____               |   |

Approximate date work will start \_\_\_\_\_

**SUBSEQUENT REPORT**

(Submit Original Form Only)

- |   |   |
|---|---|
| <input type="checkbox"/> Abandon*                     | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing                | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans              | <input type="checkbox"/> Reperforate          |
| <input type="checkbox"/> Convert to Injection         | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat or Acidize    | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other <u>Spud</u> |   |

Date of work completion 11/20/2005

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

\* Must be accompanied by a cement verification report.

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

Pete Martin Rathole Drilling MI&RU RHR. The well was spud at 10:00 a.m. on 11/20/05. 40' of 14" conductor pipe was cemented with 3 yards of ready-mix cement.

11/20 - 11/23/2005

Bill Jr. Rathole Drilling, Inc. MI&RU. Drilled a 12-1/4" surface hole to 1876'. Set 1824' (42 Jts) of 9-5/8" 32.30# H-40 ST&C as follows:

Lead: 160 sx 16% Gel, 10#/sk Gilsonite, 3% salt, 1/4#/sk flocele, 3#/sk GR-3

Tail: 200 sx w/ 2% Cacl2, 1/4#/sk flocele. Bump plug w/1000 PSI. Floats holding - cement back

Top Job: 125 sx w/4% Cacl2

Top Job: 90 sx w/2% Cacl2. Approx. 30 bbl (45 sks) lead cement to pit.

RDMOL. WO Rotary tool.

13.

Name and Signature:

*Lucy Nemeec*

Title: SR. Operations Spec

Date: 29-Dec-05

Lucy Nemeec

(This space for State use only.)

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

DEC 30 2005

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. Lease Designation and Serial Number: <b>FEE</b>
Do not use this form for proposals to drill or deepen or reentry to a different reservoir. Use "APPLICATION FOR PERMIT -" for such proposals		6. If Indian, Allottee or Tribe Name:
		7. Unit Agreement Name:
1. Type of Well: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER:		8. Well Name and Number: UTAH OIL SHALES 1321-8A
2. Name of Operator: <b>SLATE RIVER RESOURCES, LLC</b>		9. API Well Number: <b>43-047-36374</b>
3. Address and Telephone Number: <b>418 E. MAIN VERNAL, UT 84078</b>		10. Field and Pool, or Wildcat: <b>WILDCAT</b>
4. Location of Well: Footages: <b>650' FNL &amp; 313' FEL</b> QQ, Sec., T., R., M.: <b>NE/NE SEC 8 T13S R21E SLC MERIDIAN</b>		County: <b>UINTAH</b> State: <b>UT</b>

CONFIDENTIAL

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA																											
<p style="text-align: center;"><b>NOTICE OF INTENT</b> (Submit in Duplicate)</p> <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Abandon</td> <td><input type="checkbox"/> New Construction</td> </tr> <tr> <td><input type="checkbox"/> Repair Casing</td> <td><input type="checkbox"/> Pull or Alter Casing</td> </tr> <tr> <td><input type="checkbox"/> Change of Plans</td> <td><input type="checkbox"/> Recomplete</td> </tr> <tr> <td><input type="checkbox"/> Convert to Injection</td> <td><input type="checkbox"/> Reperforate</td> </tr> <tr> <td><input type="checkbox"/> Fracture Treat or Acidize</td> <td><input type="checkbox"/> Vent or Flare</td> </tr> <tr> <td><input type="checkbox"/> Multiple Completion</td> <td><input type="checkbox"/> Water Shut-Off</td> </tr> <tr> <td><input type="checkbox"/> Other _____</td> <td></td> </tr> </table> <p>Approximate date work will start _____</p>	<input type="checkbox"/> Abandon	<input type="checkbox"/> New Construction	<input type="checkbox"/> Repair Casing	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Reperforate	<input type="checkbox"/> Fracture Treat or Acidize	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> Other _____		<p style="text-align: center;"><b>SUBSEQUENT REPORT</b> (Submit Original Form Only)</p> <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Abandon*</td> <td><input type="checkbox"/> New Construction</td> </tr> <tr> <td><input type="checkbox"/> Repair Casing</td> <td><input type="checkbox"/> Pull or Alter Casing</td> </tr> <tr> <td><input type="checkbox"/> Change of Plans</td> <td><input type="checkbox"/> Reperforate</td> </tr> <tr> <td><input type="checkbox"/> Convert to Injection</td> <td><input type="checkbox"/> Vent or Flare</td> </tr> <tr> <td><input type="checkbox"/> Fracture Treat or Acidize</td> <td><input type="checkbox"/> Water Shut-Off</td> </tr> <tr> <td><input checked="" type="checkbox"/> Other _____</td> <td></td> </tr> </table> <p>Date of work completion <u>11/20/2005</u></p> <p style="font-size: 8pt;">Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.</p> <p style="font-size: 8pt;">* Must be accompanied by a cement verification report.</p>	<input type="checkbox"/> Abandon*	<input type="checkbox"/> New Construction	<input type="checkbox"/> Repair Casing	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Reperforate	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Fracture Treat or Acidize	<input type="checkbox"/> Water Shut-Off	<input checked="" type="checkbox"/> Other _____	
<input type="checkbox"/> Abandon	<input type="checkbox"/> New Construction																										
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<input type="checkbox"/> Fracture Treat or Acidize	<input type="checkbox"/> Water Shut-Off																										
<input checked="" type="checkbox"/> Other _____																											

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

**11/25 -12/9/05**

MIRU Union Rig #7. Drilled a 7-7/8" hole from 1876' - 7444'.  
 Ran 176 jts of new 4-1/2" 11.60# M-80 LT&C casing and set @ 7437'.  
 Big 4 Cementing cemented production casing with 920 sx cement as follows:  
 Lead - 300 sx of HiFill 16% Gel - 10# sk Gilsonite, 3% salt, 1/4# flocele, 3# sk GR-3  
 Tail - 620 sx - 50/50 Poz, 10% salt, 3% FLD .2% dispersant, 2% Gel, 1/4# sk flocele  
 Good returns throughout job.  
 Rig Released @ 2400 hrs 12/9/05. RDMOL. WO Completion Rig

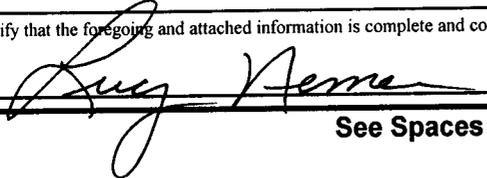
13. Name and Signature: *Lucy Nemes* Title: SR. Operations Spec Date: 29-Dec-05  
 Lucy Nemes

(This space for State use only.)

**STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING**

<b>WELL COMPLETION OR RECOMPLETION REPORT AND LOG*</b>						5. LEASE DESIGNATION AND SERIAL NO. <b>FEE</b>	
						6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
1a. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> Other _____						7. UNIT AGREEMENT NAME	
1b. TYPE OF COMPLETION NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____						8. FARM OR LEASE NAME, WELL NO. <b>Utah Oil Shales 1321-8A</b>	
2. NAME OF OPERATOR <b>Slate River Resources LLC</b>						9. API NO. <b>43-047-36374</b>	
3. ADDRESS AND TELEPHONE NO. <b>418 E. Main St. Suite 18, Vernal, UT 84078 435-781-1870</b>						10. FIELD AND POOL OR WILDCAT <b>WILDCAT</b>	
4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements) <b>At Surface 650' FNL 313' FEL</b>						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA <b>NENE SEC 8, T13S R21E SL&amp;M</b>	
At top prod. Interval reported below						12. COUNTY <b>UINTAH</b>	
At total depth						13. STATE <b>UTAH</b>	
14. DATE SPUNDED <b>11/20/05</b>	15. DATE T.D. REACHED <b>12/6/05</b>	16. DATE COMPL. (Ready to prod. or Plug & Abandon <input type="checkbox"/> Ready to Prod <input checked="" type="checkbox"/> <b>3/9/06</b>			17. ELEVATIONS (DF, RKB, RT, GR, ETC.) <b>5951 GL, 5966.6 KB</b>		
18. TOTAL DEPTH, MD & TVD <b>7444 MD 7444' TVD</b>		19. PLUG, BACK T.D., MD & TVD <b>7398 TD MD TVD</b>		20. IF MULTIPLE COMPL., HOW MANY <b>3</b>	21. DEPTH BRIDGE PLUG SET: <b>TV D</b>		
24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD) <b>Mesaverde 5906' - 6072, Sego 6654 - 6658, Blackhawk 7178' - 7184', MD &amp; TVD</b>						25. WAS DIRECTIONAL SURVEY MADE <b>NO</b>	
26. TYPE, ELECTRIC AND OTHER LOGS RUN <b>(SD/DSN/HRI, CBL/CCL/VDL)</b>				27. WAS WELL CORED YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> (Submit analysis) DRILL STEM TEST YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> (See reverse side)			
<b>CASING RECORD (Report all strings set in well)</b>							
CASING SIZE		WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD		
<b>9-5/8" H-40</b>		<b>32.30#</b>	<b>1842</b>	<b>12-1/4"</b>	<b>350 sxs "G" &amp; 215 sxs top job</b>		
<b>4-1/2" M-80</b>		<b>11.60#</b>	<b>7437</b>	<b>7-7/8"</b>	<b>300 sxs Lead Prem, 620 sxs Tail "50/50 TOC @ 1652'</b>		
<b>LINER RECORD</b>							
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	
					<b>2-3/8"</b>	<b>6013</b>	
<b>TUBING RECORD</b>							
31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
INTERVAL	SIZE	NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED			
<b>5906 - 5910 (2 spf)</b>	<b>.35</b>	<b>8</b>	<b>5906 - 5910</b>	<b>49,841# 30/50 Sand ATR 11 BPM, ATP 2406 PSI</b>			
<b>6068 - 6072 (2 spf)</b>	<b>.35</b>	<b>8</b>	<b>6068 - 6072</b>	<b>123,848# 30/50 Sand ATR 11 BPM, ATP 2365 PSI</b>			
<b>6654 - 6658 (2 spf)</b>	<b>.35</b>	<b>8</b>	<b>6654 - 6658</b>	<b>22,675# 30/50 Sand ATR 11 BPM, ATP 1908 PSI</b>			
<b>7178 - 7184 (2 spf)</b>	<b>.35</b>	<b>12</b>	<b>7178 - 7184</b>	<b>35,277# 30/50 Sand ATR 16 BPM, ATP 2531 PSI</b>			
<b>PRODUCTION</b>							
33.* DATE FIRST PRODUCTION <b>3/10/06</b>		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) <b>Flowing/Intermitter</b>				WELL STATUS (Producing or shut-in) <b>Producing</b>	
DATE OF TEST <b>3/11/06</b>	HOURS TESTED <b>24</b>	CHOKE SIZE <b>20/64</b>	PROD'N. FOR TEST PERIOD <b>---</b>	OIL--BBLs <b>8</b>	GAS--MCF <b>470</b>	WATER--BBL. <b>26</b>	
FLOW. TUBING PRESS. <b>210</b>		CASING PRESSURE <b>900</b>	CALCULATED 24-HOUR RATE <b>---</b>	OIL--BBLs <b>8</b>	GAS--MCF <b>470</b>	WATER--BBL. <b>26</b>	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) <b>Sold</b>						TEST WITNESSED BY	
35. LIST OF ATTACHMENTS							

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

SIGNED 

TITLE **Sr. Operations Specialist**

**RECEIVED** 3/23/2006

See Spaces for Addition Data on Reverse Side

**JUL 03 2006**

### INSTRUCTIONS

This form should be completed in compliance with the Utah Oil and Gas Conservation General Rules. If not filed prior to this time, all logs, tests, and directional surveys as required by Utah Rules should be attached and submitted with this report.

ITEM 18: Indicate which elevation is used as reference for depth measurements given in other spaces on this form and on any attachments.

ITEMS 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

ITEM 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

ITEM 33: Submit a separate completion report on this form for each interval to be separately produced (see instruction for items 22 and 24 above).

37. SUMMARY OF POROUS ZONES: Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.				38. GEOLOGIC MARKERS		
Formation	Top	Bottom	Description, contents, etc.	Name	Top	
					Meas. Depth	True Vert. Depth
Wasatch	2336		Shale, Sandstone			
Mesaverde	4267		Shale, Sandstone			
Castlegate	6707		Shale, Sandstone TR Coal			
Mancos	7043		Sandstone & Shale			
Blackhawk	7143		Sandstone & Shale			

Mesaverde and Mancos are comingled. Test on 9/20/05 included both intervals.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT" for a...

**CONFIDENTIAL**

5. Lease Designation and Serial Number:  
**FEE**

6. If Indian, Allottee or Tribe Name:

7. Unit Agreement Name:

8. Well Name and Number:  
**See attached**

9. API Well Number:  
**43-DA7-316374**

10. Field and Pool or Wadcat:

1. Type of Well: OIL  GAS  OTHER:

2. Name of Operator:  
**SLATE RIVER RESOURCES, LLC**

3. Address and Telephone Number:  
**418 E. MAIN VERNAL UT 84078**

4. Location of Well:  
Parages: **See attached**  
Co. Sec. T., R. M.:

County: **UINTAH**  
State: **UT**

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

NOTICE OF INTENT  
(Submit in Duplicate)

SUBSEQUENT REPORT  
(Submit Original Form Only)

- Abandon
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Multiple Completion
- Other Disposal of Produced Water
- New Construction
- Pull or Alter Casing
- Recomplete
- Reperforate
- Vent or Flare
- Water Shut-Off

- Abandon\*
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Other
- New Construction
- Pull or Alter Casing
- Reperforate
- Vent or Flare
- Water Shut-Off

Approximate date work will start 1/25/2006

Date of work completion \_\_\_\_\_

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.  
\* Must be accompanied by a cement verification report.

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

Slate River Resources LLC requests approval to dispose of produced water at either one or both of the approved disposal sites listed below for the attached list of producing wells.

Dalbo/Ace  
6848 W. Hwy 40  
Vernal, UT

Dalbo Inc. Glen Bench Disposal  
26800 S. Glen Bench Road  
Vernal, Utah

COPY SENT TO OPERATOR  
Date: 10-13-06  
Initial: RM

13.

Name and Signature:

*Lucy Warner*  
**Lucy Warner**

Title: SR Operations Specialist

Date: 11-Sep-06

(This space for State use only.)

Accepted by the  
Utah Division of  
Oil, Gas and Mining

RECEIVED

OCT 12 2006

(4/84) Date: 10-12-06

(See Instructions on Reverse Side)

DIV. OF OIL, GAS & MINING

By: *[Signature]*

**SLATE RIVER RESOURCES LLC**  
**AGENCY DRAW PRODUCING WELLS**  
**OCTOBER 12,2006**

<b>Well</b>	<b>Field</b>	<b>Lease</b>	<b>API #</b>	<b>Spot</b>	<b>Description</b>		<b>State</b>
					<b>S-T-R</b>	<b>County</b>	
UOS #1321- 9P	Agency Draw	Fee	43-047-36375	SESE	9-13S-21E	Uintah	Utah
Mustang #1320- 1I	Agency Draw	Fee	43-047-36384	NESE	1-13S-20E	Uintah	Utah
UOS #1321- 9L	Agency Draw	Fee	43-047-36376	NWSW	9-13S-21E	Uintah	Utah
UOA #1321- 7A	Agency Draw	Fee	43-047-36372	NENE	7-13S-21E	Uintah	Utah
UOA #1321- 6G	Agency Draw	Fee	43-047-36370	SWNE	6-13S-21E	Uintah	Utah
UOA #1321- 8C	Agency Draw	Fee	43-047-36373	NENW	8-13S-21E	Uintah	Utah
Mustang #1321- 7F	Agency Draw	Fee	43-047-36371	SENW	7-13S-21E	Uintah	Utah
Mustang #1320-12A	Agency Draw	Fee	43-047-36369	NENE	12-13S-20E	Uintah	Utah
Mustang #1321- 6C	Agency Draw	Fee	43-047-36383	NENW	6-13S-21E	Uintah	Utah
UOS #1321- 8A	Agency Draw	Fee	43-047-36374	NENE	8-13S-21E	Uintah	Utah
Mustang #1220-35I	Agency Draw	Fee	43-047-37287	NESE	35-12S-20E	Uintah	Utah
Mustang #1320-10I	Agency Draw	Fee	43-047-37291	NESE	10-13S-20E	Uintah	Utah
Mustang #1320-11H	Agency Draw	Fee	43-047-37295	SENE	11-13S-20E	Uintah	Utah
Mustang #1320-24E	Agency Draw	Fee	43-047-37298	SWNW	24-13S-20E	Uintah	Utah
Mustang #1320-14P	Agency Draw	Fee	43-047-37288	SESE	14-13S-20E	Uintah	Utah
Mustang #1320-13D	Agency Draw	Fee	43-047-37289	NWNW	13-13S-20E	Uintah	Utah
Mustang #1320-14D	Agency Draw	Fee	43-047-37296	NWNW	14-13S-20E	Uintah	Utah

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

5. Lease Designation and Serial Number:  
FEE

6. If Indian, Allottee or Tribe Name:

7. Unit Agreement Name:

8. Well Name and Number:  
UTAH OIL SHALES 1321-8A

9. API Well Number:  
43-047-36374

10. Field and Pool, or Wildcat:  
WILDCAT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

1. Type of Well: OIL  GAS  OTHER:

2. Name of Operator:  
SLATE RIVER RESOURCES, LLC

3. Address and Telephone Number:  
418 E. MAIN VERNAL, UT 84078

4. Location of Well:  
Footages: 650' FNL & 313' FEL County: UINTAH  
QQ. Sec., T., R., M.: NE/NE SEC 8 T13S R21E SLC MERIDIAN State: UT

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

NOTICE OF INTENT  
(Submit in Duplicate)

SUBSEQUENT REPORT  
(Submit Original Form Only)

Abandon  New Construction

Repair Casing  Pull or Alter Casing

Change of Plans  Recomplete

Convert to Injection  Reperforate

Fracture Treat or Acidize  Vent or Flare

Multiple Completion  Water Shut-Off

Other \_\_\_\_\_

Abandon\*  New Construction

Repair Casing  Pull or Alter Casing

Change of Plans  Reperforate

Convert to Injection  Vent or Flare

Fracture Treat or Acidize  Water Shut-Off

Other \_\_\_\_\_

Approximate date work will start 1/30/2007

Date of work completion \_\_\_\_\_  
Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.  
\* Must be accompanied by a cement verification report.

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

Slate River Resources proposes adding Castlegate perforations and stimulating the zones in this well. Zones at 6808'-6812' and 6824'-6828' would be perforated and sand fractured thru tubing under a packer. The zones will be flow tested, commingled with the existing zones and the well will be placed back in production.

13. Name and Signature: Lucy Nemecc Title: SR. Operations Spec Date: 16-Jan-07

(This space for State use only.)

TOP / SENT TO OPERATIONS  
Date: 1-19-07  
Initials: RM

APPROVED BY THE STATE  
DIVISION OF OIL, GAS AND MINING  
DATE: 1/19/07  
BY: [Signature] (See Instructions on Reverse Side)

RECEIVED  
JAN 18 2007  
DIV. OF OIL, GAS & MINING

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. DJJ
2. CDW

**X - Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

**2/21/2008**

**FROM:** (Old Operator):

N2725-Slate River Resources, LLC  
 418 E Main, Suite 18  
 Vernal, UT 84078

Phone: 1 (435) 781-1874

**TO:** ( New Operator):

N1675-Mustang Fuel Corporation  
 13439 Broadway Ext.  
 Oklahoma City, OK 73114-2202

Phone: 1 (405) 748-9487

**CA No.**

**Unit:**

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED LIST								

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 3/28/2008
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 3/18/2008
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 4/28/2008
- a. Is the new operator registered in the State of Utah: Yes Business Number: 1467562-0143
- b. If **NO**, the operator was contacted on: \_\_\_\_\_
- 5a. (R649-9-2)Waste Management Plan has been received on: \_\_\_\_\_ Requested
- 5b. Inspections of LA PA state/fee well sites complete on: n/a
- 5c. Reports current for Production/Disposition & Sundries on: \_\_\_\_\_
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM n/a BIA n/a
7. **Federal and Indian Units:**  
 The BLM or BIA has approved the successor of unit operator for wells listed on: n/a
8. **Federal and Indian Communization Agreements ("CA"):**  
 The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: n/a

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 4/28/2008
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 4/28/2008
- Bond information entered in RBDMS on: 4/28/2008
- Fee/State wells attached to bond in RBDMS on: 4/28/2008
- Injection Projects to new operator in RBDMS on: n/a
- Receipt of Acceptance of Drilling Procedures for APD/New on: \_\_\_\_\_ n/a

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: n/a
- Indian well(s) covered by Bond Number: n/a
- 3a. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 400KB7078
- 3b. The **FORMER** operator has requested a release of liability from their bond on: 4/18/2008 Disposal Facilities only  
 The Division sent response by letter on: \_\_\_\_\_

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 4/28/2008

**COMMENTS:**

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:

FEE

**SUNDRY NOTICES AND REPORTS ON WELLS**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

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.

1. TYPE OF WELL OIL WELL  GAS WELL  OTHER \_\_\_\_\_

8. WELL NAME and NUMBER:

See attached

2. NAME OF OPERATOR:  
Mustang Fuel Corporation *N1675*

9. API NUMBER:

See attach

3. ADDRESS OF OPERATOR:  
13439 Broadway Extension CITY Oklahoma City STATE OK ZIP 73114-2202

PHONE NUMBER:  
(405) 748-9487

10. FIELD AND POOL, OR WILDCAT:

See attached

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: See attached schedule of wells

COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>2/21/2008</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

Mustang Fuel Corporation requests a change of operator from Slate River Resources, LLC to Mustang Fuel Corporation, effective February 21, 2008 for the wells and facilities listed on the attached schedule.

The bond numbers for Mustang Fuel Corporation are:

State of Utah DOGM Bond *400KB7078*

State of Utah Bond of Lessee

Federal Utah Statewide Bond

NAME (PLEASE PRINT) Jim Hill

TITLE Operations Manager

SIGNATURE *Jim Hill*

DATE 2/21/2008

(This space for State use only)

APPROVED 4128108

*Earlene Russell*  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)

RECEIVED

MAR 18 2008

DIV. OF OIL, GAS & MINING

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:  
**FEE**

**SUNDRY NOTICES AND REPORTS ON WELLS**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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.

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL  
OIL WELL  GAS WELL  OTHER \_\_\_\_\_

8. WELL NAME and NUMBER:  
**See attached**

2. NAME OF OPERATOR:  
**Slate River Resources, LLC** *N2725*

9. API NUMBER:  
**See attach**

3. ADDRESS OF OPERATOR:  
418 E. Main, Suite 18 CITY **Vernal** STATE **UT** ZIP **84078**

PHONE NUMBER:  
**(435) 781-1874**

10. FIELD AND POOL, OR WILDCAT:  
**See attached**

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: **See attached schedule of wells**

COUNTY: **Uintah**

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE:  
**UTAH**

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>2/21/2008</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

Slate River Resources, LLC requests a Change of Operator from Slate River Resources, LLC to Mustang Fuel Corporation on the wells listed on the attached schedule including a change of Operator for the AD Disposal Pit 1, AD Disposal Pit #2 and the Willow Creek Compressor facility effective 2/21/08.

NAME (PLEASE PRINT) Lucy Nemeec

TITLE Sr. Operations Specialist

SIGNATURE *Lucy Nemeec*

DATE 3/27/2008

(This space for State use only)

APPROVED 4/28/08  
*Earlene Russell*  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)

**RECEIVED**

**MAR 28 2008**

**DIV. OF OIL, GAS & MINING**



**STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING**

<p><b>SUNDRY NOTICES AND REPORTS ON WELLS</b></p> <p>Do not use this form for proposals to drill or deepen or reentry to a different reservoir. Use "APPLICATION FOR PERMIT -" for such proposals</p>		<p>5. Lease Designation and Serial Number: <b>FEE</b></p> <p>6. If Indian, Allottee or Tribe Name:</p> <p>7. Unit Agreement Name:</p> <p>8. Well Name and Number: <b>UTAH OIL SHALES 1321-8A</b></p> <p>9. API Well Number: <b>43-047-36374</b></p> <p>10. Field and Pool, or Wildcat: <b>WILDCAT</b></p>
<p>1. Type of Well:    OIL   <input type="checkbox"/>    GAS   <input checked="" type="checkbox"/>    OTHER:</p>		
<p>2. Name of Operator: <b>Mustang Fuel Corporation</b></p>		
<p>3. Address and Telephone Number: <b>418 E. MAIN    VERNAL, UT 84078    435-781-1874</b></p>		
<p>4. Location of Well: Footages:    <b>650' FNL &amp; 313' FEL</b> County:    <b>UINTAH</b> QQ. Sec., T., R. M.:    <b>NE/NE SEC 8 T13S R21E    SLC MERIDIAN</b> State:    <b>UT</b></p>		

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

NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)																										
<table style="width:100%;"> <tr> <td><input type="checkbox"/> Abandon</td> <td><input type="checkbox"/> New Construction</td> </tr> <tr> <td><input type="checkbox"/> Repair Casing</td> <td><input type="checkbox"/> Pull or Alter Casing</td> </tr> <tr> <td><input type="checkbox"/> Change of Plans</td> <td><input type="checkbox"/> Recomplete</td> </tr> <tr> <td><input type="checkbox"/> Convert to Injection</td> <td><input type="checkbox"/> Reperforate</td> </tr> <tr> <td><input type="checkbox"/> Fracture Treat or Acidize</td> <td><input type="checkbox"/> Vent or Flare</td> </tr> <tr> <td><input type="checkbox"/> Multiple Completion</td> <td><input type="checkbox"/> Water Shut-Off</td> </tr> <tr> <td><input type="checkbox"/> Other _____</td> <td></td> </tr> </table> <p>Approximate date work will start _____</p>	<input type="checkbox"/> Abandon	<input type="checkbox"/> New Construction	<input type="checkbox"/> Repair Casing	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Reperforate	<input type="checkbox"/> Fracture Treat or Acidize	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> Other _____		<table style="width:100%;"> <tr> <td><input type="checkbox"/> Abandon*</td> <td><input type="checkbox"/> New Construction</td> </tr> <tr> <td><input type="checkbox"/> Repair Casing</td> <td><input type="checkbox"/> Pull or Alter Casing</td> </tr> <tr> <td><input type="checkbox"/> Change of Plans</td> <td><input type="checkbox"/> Reperforate</td> </tr> <tr> <td><input type="checkbox"/> Convert to Injection</td> <td><input type="checkbox"/> Vent or Flare</td> </tr> <tr> <td><input type="checkbox"/> Fracture Treat or Acidize</td> <td><input type="checkbox"/> Water Shut-Off</td> </tr> <tr> <td><input checked="" type="checkbox"/> Other <u>Cancel Castlegate Completion</u></td> <td></td> </tr> </table> <p>Date of work completion _____ <u>Work Cancelled</u></p> <p><small>Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.</small></p> <p><small>* Must be accompanied by a cement verification report.</small></p>	<input type="checkbox"/> Abandon*	<input type="checkbox"/> New Construction	<input type="checkbox"/> Repair Casing	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Reperforate	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Fracture Treat or Acidize	<input type="checkbox"/> Water Shut-Off	<input checked="" type="checkbox"/> Other <u>Cancel Castlegate Completion</u>	
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<input checked="" type="checkbox"/> Other <u>Cancel Castlegate Completion</u>																											

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

**Slate River Resources submitted a NOI proposing to perforate and frac Castlegate zones in this well. This work was not completed and Mustang Fuel Corporation wishes to cancel the NOI.**

13. Name and Signature: *Lucy Nemec* Title: *SR. Operations Spec* Date: *29-Sep-08*  
**Lucy Nemec**

(This space for State use only.)

**RECEIVED  
OCT 01 2008**

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: UTAH OIL SHALES 1321-8A
2. NAME OF OPERATOR: MUSTANG FUEL CORPORATION	9. API NUMBER: 43047363740000
3. ADDRESS OF OPERATOR: 418 East Main , Vernal , UT, 84078	9. FIELD and POOL or WILDCAT: AGENCY DRAW
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0650 FNL 0313 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 08 Township: 13.0S Range: 21.0E Meridian: S	COUNTY: Uintah
	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <b>5/15/2015</b>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input checked="" type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

Shut in effective 5/15/2015. Expectations are to plug well within the next 6 months.

**Approved by the**  
**June 04, 2015**  
**Oil, Gas and Mining**

Date: \_\_\_\_\_  
 By:           D.K. Duff          

NAME (PLEASE PRINT) Angelia Duffy	PHONE NUMBER 405 748-9261	TITLE Operations Tech
SIGNATURE N/A	DATE 5/28/2015	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>	5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
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:
1. TYPE OF WELL Gas Well	7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: MUSTANG FUEL CORPORATION	8. WELL NAME and NUMBER: UTAH OIL SHALES 1321-8A
3. ADDRESS OF OPERATOR: 418 East Main , Vernal , UT, 84078	9. API NUMBER: 43047363740000
PHONE NUMBER: 405 748-9487 Ext	9. FIELD and POOL or WILDCAT: AGENCY DRAW
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0650 FNL 0313 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 08 Township: 13.0S Range: 21.0E Meridian: S	COUNTY: Uintah
	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <b>8/31/2015</b>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input checked="" type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
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	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

1. MIRU Peak Well Service, ND WH, NU BOP. Unset TAC and POOH w/ tbg. 2. RIH w/ CIBP to +/- 6600' (Top of Segoo). Set CIBP and spot 10 sks Cement on plug 3. PU workstring and RIH to +/- 5900'. Set the following plugs: a. 20 sks plug at Top of Mesaverde perms (+/- 5800-6000') b. 30 sks plug at Top of Wasatch and 9-5/8" shoe (+/- 1700-2100') c. Cut casing and spot 50 sks across cut at +/- 1500' d. Fill surface w/ 60 sks from 150-0'. 4. ND BOP Cut off wellhead. Install P&A Marker w/ cement. RDMO Peak Well Service. Cut Anchors.

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

Date: October 20, 2015

By: *Derek Duff*

**Please Review Attached Conditions of Approval**

NAME (PLEASE PRINT) Angelia Duffy	PHONE NUMBER 405 748-9261	TITLE Operations Tech
SIGNATURE N/A	DATE 8/20/2015	



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

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Sundry Conditions of Approval Well Number 43047363740000**

- 1. Notify the Division at least 24 hours prior to conducting abandonment operations. Please call Dan Jarvis at 801-538-5338.**
- 2. Add Plug #3: A 100' plug ( $\pm 10$  sx) shall be balanced from  $\pm 4300'$  to  $4200'$ . This will isolate the Mesaverde formation.**
- 3. Add Plug #4: A 100' plug ( $\pm 10$  sx) shall be balanced from  $\pm 2950'$  to  $2850'$ . This will isolate the base of moderately saline groundwater as required by R649-3-24-3.3.**
- 4. All balanced plugs shall be tagged to ensure they are at the depths specified in the procedure.**
  - 5. All annuli shall be cemented from a minimum depth of 100' to the surface.**
- 6. Surface reclamation shall be done in accordance with R649-3-34 – Well Site Restoration.**
- 7. All requirements in the Oil and Gas Conservation General Rule R649-3-24 shall apply.**
- 8. If there are any changes to the procedure or the wellbore configuration, notify Dustin Doucet at 801-538-5281 (ofc) or 801-733-0983 (home) prior to continuing with the procedure.**
- 9. All other requirements for notice and reporting in the Oil and Gas Conservation General Rules shall apply.**

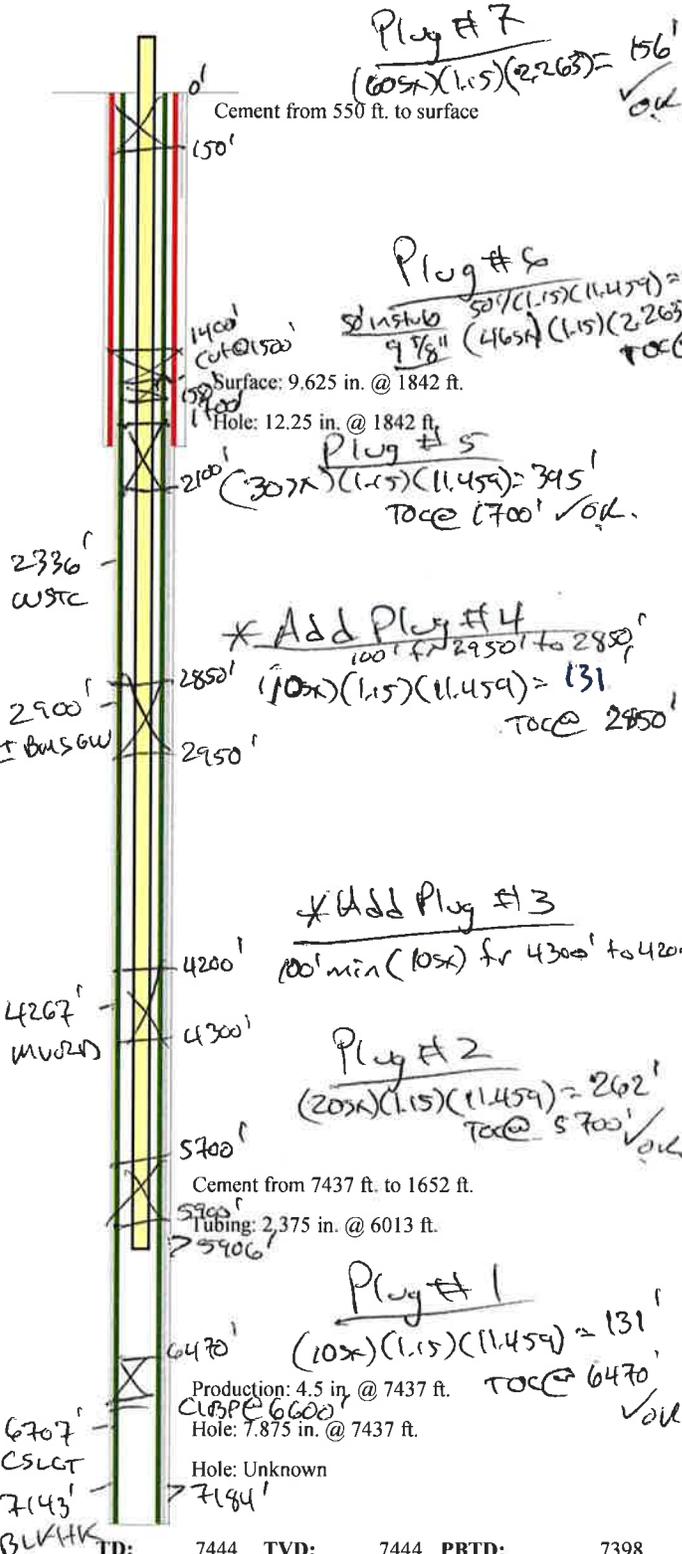
# Wellbore Diagram

API Well No: 43-047-36374-00-00 Permit No: Well Name/No: UTAH OIL SHALES 1321-8A  
 Company Name: MUSTANG FUEL CORPORATION  
 Location: Sec: 8 T: 13S R: 21E Spot: NENE  
 Coordinates: X: 621503 Y: 4396153  
 Field Name: AGENCY DRAW  
 County Name: Uintah

### String Information

String	Bottom (ft sub)	Diameter (inches)	Weight (lb/ft)	Length (ft)	Capacity (F/cf)
HOL1	1842	12.25			
SURF	1842	9.625	32.3	1842	2.263
HOL2	7437	7.875			
PROD	7437	4.5	11.6	7437	11.459
TI	6013	2.375			

$9\frac{5}{8}'' \times 4\frac{1}{2}'' \rightarrow 3.017$



### Cement Information

String	BOC (ft sub)	TOC (ft sub)	Class	Sacks
PROD	7437	1652	PM	300
PROD	7437	1652	PC	620
SURF	1842	1000	G	360
SURF	550	0	G	360

### Perforation Information

Top (ft sub)	Bottom (ft sub)	Shts/Ft	No Shts	Dt Squeeze
5906	7184			

### Formation Information

Formation	Depth
WSTC	2336
BMSW	2900
MVRD	4267
CSLGT	6707
MNCS	7043
BLKHK	7143

TD: 7444 TVD: 7444 PBD: 7398

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> UTAH OIL SHALES 1321-8A	
<b>2. NAME OF OPERATOR:</b> MUSTANG FUEL CORPORATION	<b>9. API NUMBER:</b> 43047363740000	
<b>3. ADDRESS OF OPERATOR:</b> 418 East Main , Vernal , UT, 84078	<b>PHONE NUMBER:</b> 405 748-9487 Ext	<b>9. FIELD and POOL or WILDCAT:</b> AGENCY DRAW
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0650 FNL 0313 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 08 Township: 13.0S Range: 21.0E Meridian: S	<b>COUNTY:</b> UINTAH	
		<b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/2/2015	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
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	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text"/>

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

MIRU, bleed well down f/ 2 hrs, kill well w/ 85 BW, ND WH, NU BOP's, well started flowing, blow down well f/ 1 hr, kill w/ 85 BW, LD 107 jts, well came in, blow down to flow back, kill well w/ 100 bbls brine water, finish laying down production, PU 3 7/8" bit & 209 jts workstring, POOH, PU 4 1/2" CIBP, run in to 5850', run in & tag cmt @ 5885', spot 10 sx on top, pull up to 4303', spot 10 sx, balance plug, pull to 2940', spot 10 sx, balance plug, pull to 2115', spot 30 sx, balance plug, POOH, run in free point & cut csg @ 1459', LD csg, run in to 1469' EOT, pump 50 sx cmt across, cut, pull out, fill surface w/ 60 sx to 150', weld on marker, back fill, RDMO, well Plugged & Abandoned 11-2-15.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
November 04, 2015**

<b>NAME (PLEASE PRINT)</b> Angelia Duffy	<b>PHONE NUMBER</b> 405 748-9261	<b>TITLE</b> Operations Tech
<b>SIGNATURE</b> N/A	<b>DATE</b> 11/3/2015	