MOUNTAIN STATES RESOURCES, INC.
Subsidiary of Mountain States Resources, Ltd.
OIL & GAS EXPLORATION & PRODUCTION
OPERATING IN THE ROCKY MOUNTAINS
CBM Building - Box 176 - Cut Bank, Montana 59427 - (406) 873-2235

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
Division of Oil, Gas and Mining
1588 West North Temple
Salt Lake City, Utah 84116

Att: Michael T. Minder
Petroleum Engineer

Gentlemen:

MSR/MGE REDD #11-1 WELL
NENE Section 11 - T33S - R23E
San Juan County, Utah

We enclose herewith Application for Permit to Drill the above captioned well, submitted in quadruplicate.

We would ask that you be kind enough to return ~~one~~ two approved copies for our files.

Trusting you will find everything in order, we remain

Yours very truly,

MOUNTAIN STATES RESOURCES, INC.

J. V. Montalban - Manager of Operations

JVM/cbm
Encs(4)
cc: MOUNTAIN FUEL SUPPLY CO.
P. O. Box 2329
Farmington, New Mexico 87401

cc: Robert E. Pittam, Staff Land Mgr.
MOUNTAIN FUEL SUPPLY CO.
P. O. Box 11368
Salt Lake City, Utah 84139

Form OGC-1a

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

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

Fee
5. Lease Designation and Serial No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

6. If Indian, Allottee or Tribe Name

1a. Type of Work
DRILL [X] DEEPEN [ ] PLUG BACK [ ]

7. Unit Agreement Name
Redd Investment Corp.

b. Type of Well
Oil Well [X] Gas Well [X] Other Single Zone [ ] Multiple Zone [X]

8. Farm or Lease Name
Redd #11-1

2. Name of Operator
MOUNTAIN STATES RESOURCES, INC.

9. Well No.
~~Wildcat~~
~~Vega Prospect (Development~~

3. Address of Operator
CBM Bldg. - P. O. Box 176 - Cut Bank, Montana 59427

10. Field and Pool, or Wildcat ~~Stop-out)~~
NENE Sec. 11: T33S - R23E

4. Location of Well (Report location clearly and in accordance with any State requirements.*)
At surface
820' FNL 780' FEL NENE Sec. 11 - T33S - R23E

11. Sec., T., R., M., or Blk. and Survey or Area

At proposed prod. zone
Upper Ismay - Lower Ismay - Desert Creek

San Juan County, Utah

14. Distance in miles and direction from nearest town or post office*
4 miles north 1/2 mile west, Monticello, Utah 640

12. County or Parrish 13. State
40

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any)	16. No. of acres in lease	17. No. of acres assigned to this well
780'	6000	Rotary

18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.	19. Proposed depth	20. Rotary or cable tools
1 1/4 mile		

21. Elevations (Show whether DF, RT, GR, etc.)
Ground 7037' K.B. 7050'

22. Approx. date work will start*
June 15, 1981

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
12¼"	8 5/8"	24#	1800	900 Sax to surface
7 7/8"	4½"	10.5#	6000	250 Sax

The name of this well will be: MOUNTAIN STATES RESOURCES, INC., MONTE GRANDE EXPLORATION, INC., REDD #11-1.

Mountain States Resources, Inc, as Operator, intends to drill a Desert Creek test to a depth of some 6,000 feet, using fresh water, gel, and chemical mud. Casing will be run as shown above. Pressure control equipment will consist of 10" Series 900 double hydraulic ram BOP abd 2" choke manifold.

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 7/10/81
BY: M. J. Minder

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

Signed J. V. Montalban - President Title Manager of Operations Date June 11, 1981

(This space for Federal or State office use)

Permit No. ..... Approval Date .....

Approved by ..... Title ..... Date .....
Conditions of approval, if any:

*See Instructions On Reverse Side

MOUNTAIN STATES RESOURCES, INC.
Subsidiary of Mountain States Resources, Ltd.
OIL & GAS EXPLORATION & PRODUCTION
OPERATING IN THE ROCKY MOUNTAINS
CBM Building - Box 176 - Cut Bank, Montana 59427 - (406) 873-2235

June 17, 1981

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
Division of Oil, Gas & Mining
1588 West North Temple
Salt Lake City, Utah 84116

Att: Michael T. Minder
Petroleum Engineer

Gentlemen:

MSR/MGE REDD #11-1 WELL
NENE Section 11 - T33S - R23E
San Juan County, Utah

We in advertently overlooked enclosing a copy of the surveyors plat, with the Application for Permit to Drill filed last week, pertaining to the above captioned well.

Enclosed please find three copies of the plat to accompany the three copies of the Application.

Trusting you will find everything in order, I remain

Yours very truly,

MOUNTAIN STATES RESOURCES, INC.

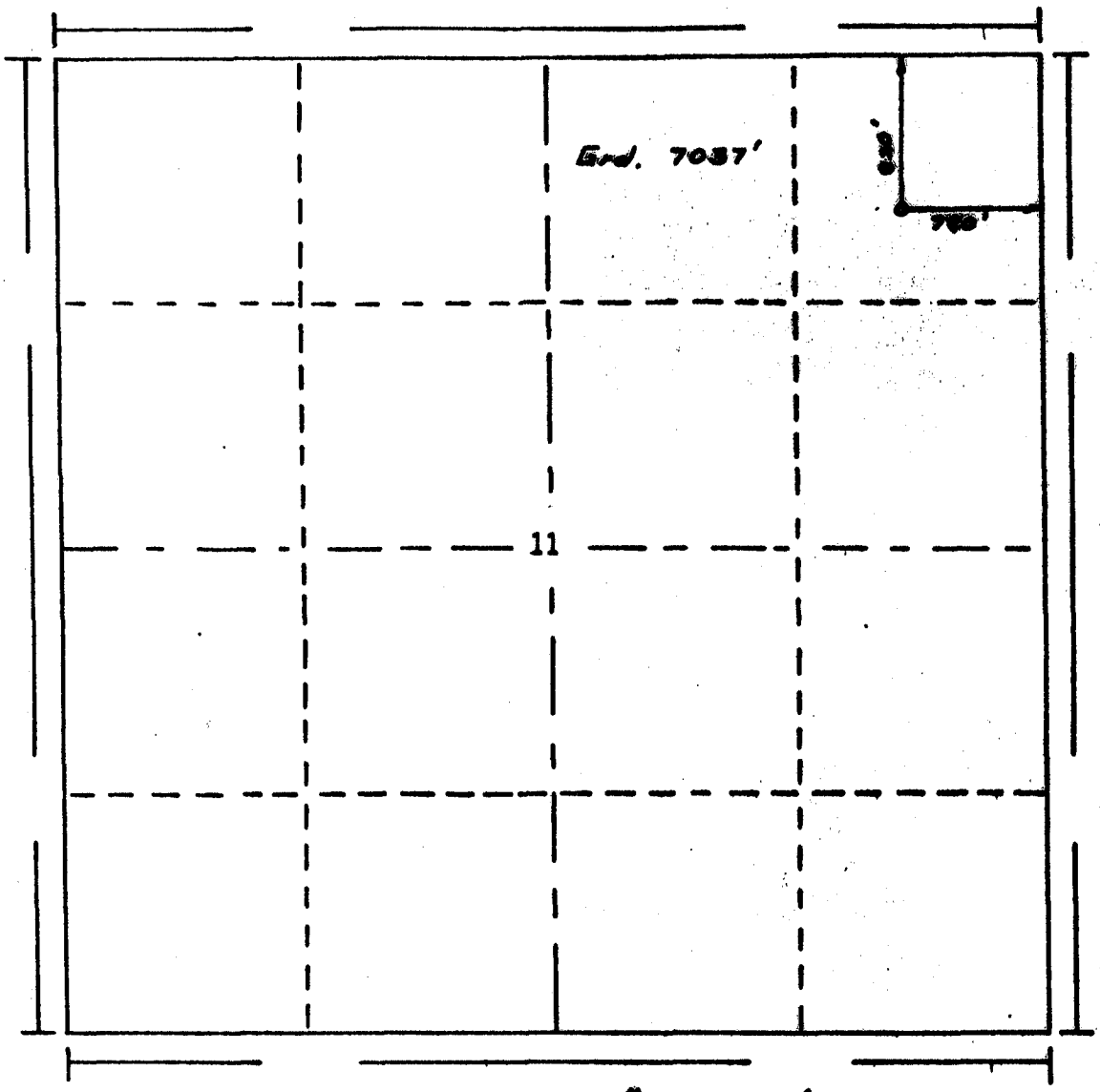
J. V. Mondalban - Manager of Operations

JVM/cbm
Encs:
cc:Mr. Nick Thomaidis
MOUNTAIN FUEL SUPPLY CO.
P. O. Box 2329
Farmington, New Mexico 87401

cc:Mr. R. G. Myers
MOUNTAIN FUEL SUPPLY CO.
P. O. Box 11368
Salt Lake City, Utah 84139

cc: Mr. Edward F. Durkee
WORLDWIDE EXPLORATION
Denver, Co. 80202

R. 23 E.



Scale··· 1" = 1000'

Powers Elevation of Denver, Colorado
has in accordance with a request from J.V. Montalban
for Mountain States Resources Inc.
determined the location of #11-1 Redd
to be 820'FNL & 780'FEL Section 11 Township 33 South
Range 23 East Salt Lake Meridian
San Juan County, Utah

RECEIVED
JUN 19 1981
DIVISION OF
OIL, GAS & MINING

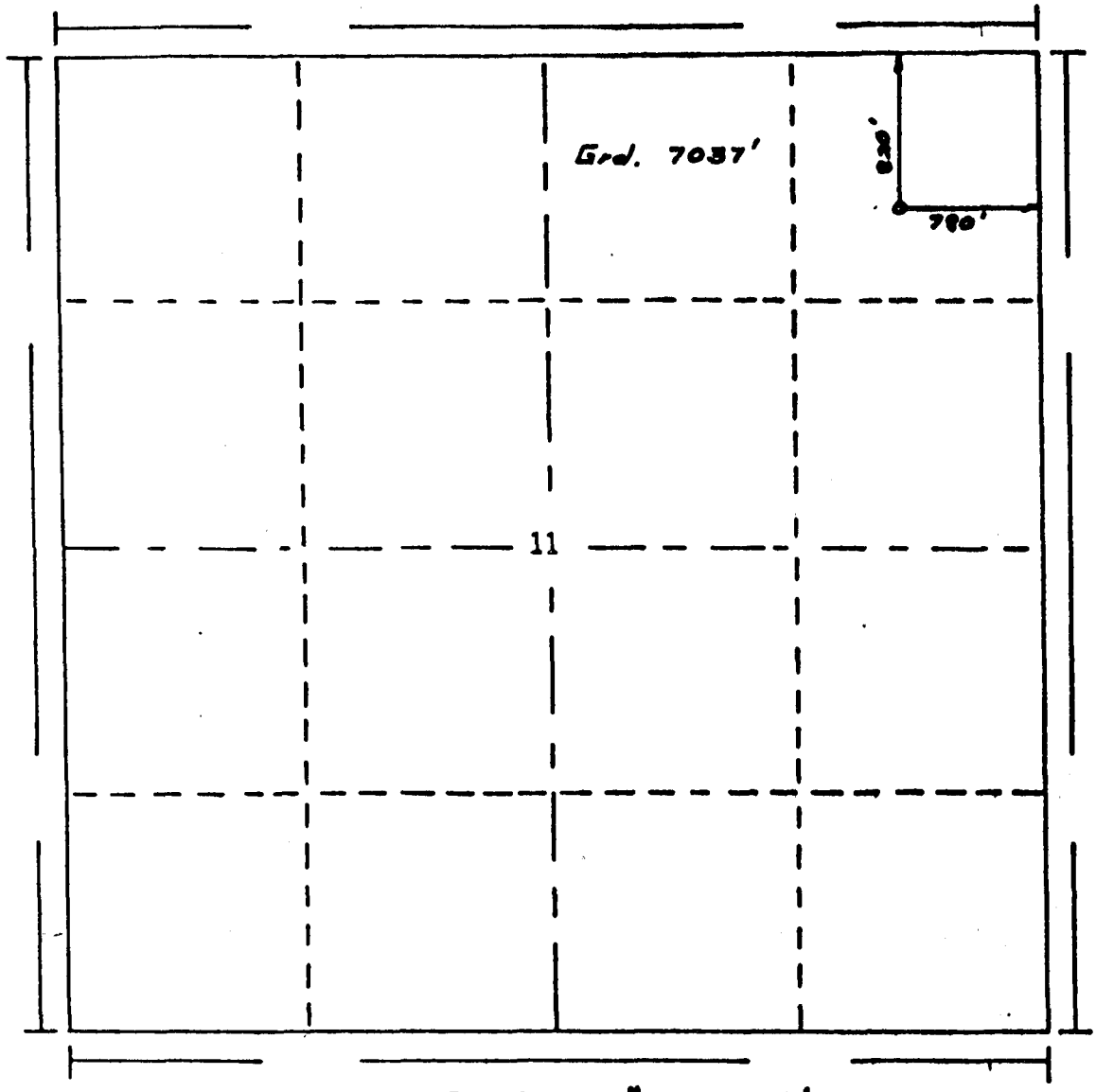
I hereby certify that this plat is an accurate representation of a correct survey showing the location of #11-1 Redd

Date: 10 June 1981

T Nelson
Licensed Land Surveyor No. 2711
State of Utah

Well Report
Redd No.11-1

R. 23 E.



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Range 23 East Salt Lake Meridian
San Juan County, Utah

I hereby certify that this plat is an accurate representation of a correct survey showing the location of #11-1 Redd

Date: 10 June 1981

T Nelson
Licensed Land Surveyor No. 2711
State of Utah

1981

DAILY WELL REPORT

Redd #11-1 (Vega Prospect)

Bayless Drilling Rig#5
(Contractor)
Cooper LTO 550 (Rated 8500')

CATION: NE NE Section 11, T.33S., R.23E.
San Jaun County, Utah
820'FNL - 780'FEL -
Ground Elevation 7037' K-B Elevation 7052'

June 15 - Monday
(1) Day operation 7:AM
Moving on and rigging up to-day. Set 52' of 13 3/8 conductor pipe.
8:AM Started to load out from Bluff Road.
10:AM First load to location.
Location and pit finished at noon. All loads on location at 3:30PM.
Spudding this evening at 11:PM.

June 16 - Tuesday
(2) Day operation 7:AM
Depth to-day -(Set 13 5/8" conductor pipe @ 52'K.B.) 293'.
Depth yesterday 52'K.B. made 241' past 24 hrs.
Bit #SB1-12¼-V1J-Ser.#MA3263- In 52' out 293' made 241' in 5¼hrs.
Bit #SB2-12¼-2JS-Ser.#BE7583-In 293' still in.
Drill string - DC in hole 8, size OD6¼", ID 2¼, RPM 90 table.
PP. 2,200#, Wt. on Bit 20,000, strokes 85, liner size 6"X8"triplex.
Mud Data: Bariod, Wt.8.9#, visc.35, WL. 12CC, F.C.1/32.
Used 50 sax Gel, 2Sx lime.
Past : 24 hr. summary.

Moving on and rigging up	16 hrs.
Drilling surface hole...	7¼ hrs.
Tripping.....	½ hrs.
R/S.....	¼ hrs.
Total	24 hrs.

une 17 - Wednesday
(3) Day operation 7:AM
Depth 1,300' yesterday 293' made 1,007' past 24 hrs.
Present operation drilling 7 7/8" hole.
Bit #2 SB.Ser.#BE7583, 2JS, in 293', out 405' - 2 3/4hrs.
Bit #3 RR.Ser.#BE9396, F-3, in 405' still in @ 1,300', 895' in 16¼ hrs. avg. 55.07' per hr.
DS: 75,000/45,000 = 55RPM, DC in hole 18, size OD 6¼,ID 2¼,RPM 55
Mud Data: 8.4#, visc.32, FC 1/32, mixed 2 caustic, 3 soda ash, 32 Gel and 1 lime.
Past: 24 hr. summary.

19½	hrs. drilling
3	hrs. tripping - Bit #2 out - #3 in.
¼	hrs. R/S
1¼	hrs. survey 700 = 1, 1249 = 3/4

une 18 - hursday
(4) Day operation 7:AM
Depth to-day 2,000': (700) Running 8 5/8" Surface pipe.
Bit #3 STC 7 7/8-R/RF3. Ser.#BE9396 (Jets 2X11+Blank)
In @ 405' out @1,560'= 1155' in 20¼hrs. Avg. 57.03' per hr.
Cumaltive (Prev.Hole) 905' in 76 3/4 hrs.
Total cumlative feet 2060' in 97 hrs.
Bit #4: 7 7/8 STC - R/R, F3-Ser.#BE1039 (2 x 11 +Blank)
In @ 1560' out @ 2,000'= 440' in 7¼hrs. Avg. 60.68' per hr.
Cumlative from before made = 441' in 65 3/4hrs.
Cum. Total..... 881' in 73 hrs.
D/S: 70,000/45,000RPM= 50, 18DC, 6¼"x31'x2¼"ID. = 565'

continued next page

Redd #[redacted]-1 WE11 Bayless Drill[redacted] Co. Rig. #5

June 18 - con"t.
Thursday
Pump: OMega triplex 6"x8"= 104 strokes per min. x 2200#pressure.
Mud: Visc.34, wt.8.9, WL 16/cc/F/C 2/32 ph. 7.2
Added: 1½sx caustic soda, Gel 10Sax, 2 soda ash, sawdust 55 sx,
Hulls 5 sx ="Plug II" = 10sax. MICA-1sax Quick seal 4 sax=
Multi seal 15 sax. Defoamer: 56 gallons, Cellex: 1/2 sax.
Surveys: 2000 @ 1 3/4°
Past: 24 hr. summary
Drilling 10 hrs.
Tripping 4 hrs. (#3 in and out)
(#4 in and out)
Mixing mud and LCM=
1½ hrs.
Circ. and conditioning hole., waiting
on Dowell 5½ hrs.
Run casing and preparation to
cement 3 hrs.
Ran: 11jts. of 8 5/8 = 24# K-J5
Range 3 pipe overall 435' = landed at 400 K.B.
Cemented with 190 sax Houcolite, 10# Gilcenite per sx.
10% salt NAC/2, 2% CA C/2
Plug Down @ 8:30AM - June 18/81. Cement and circulated [redacted] saxs
to pits.

Tailed in w/50 sax Regular "A" plus 2% CA C/2
Bumped plug w/ 500# over circulating pressure .
Held pressure for 5 minutes, released Float, held ok.
Total 240 sax cement used.
WOC.

June 19 - 8:AM (5) Day operation
Friday
T.D. 2030 (30) Drilling 7 7/8 hole.
Bit #5: R/R#3-STC 7 7/8 F3#BE9396 in @ 2000-SI @ 2030-
Made 30' in 1¼ hr.
D/S: 62,000/35,000 RPM=55=18DC-565'
Pump; Triplex 6"8" = 104 Strks. PP 1500#.
Mud: Visc. 38, WT 8.8.
Added: 25 Gal.Defoam.43 sax LCM-47 Gel: 2 soda ash-5 Bicard.
Surveys: 2000 @ 1 3/4°
NOON: Friday June 19/81
Drilling 2203'
Past: 24 hr. summary,

	7:AM to 7:30AM	Ran casing ½	hr.
	7:30AM to8:00AM	Circ.casing½	hr.
Pl.down:	8:00AM to8:30AM	cement ½	hr.
	8:00AM to4:00PM	WOC 7½	hr.
	4:00PM to8:00PM	Nipple up 4	hr.
	8:00PM to9:00PM	Pres.test BP-950# 1	hr.
	9:00PM to 10:00	tripping 400 1	hr.

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con't.

June 19 - past 24 hr. summary con't.
Friday

10:00 to 11:00PM	Drill cement and plug.	1 hr.	
11:00 to 12:00AM	Mix defoamer	1	
12:00 to 1:00AM	circ.cond.& trip	1	
1:00 to 1:45AM	Add mud	3/4hr.	
1:45 to 2:15AM	Drill cement	1/2hr.	
2:15 to 3:00AM	trip to bottom 2000'-lost 250Bbls.	3/4hr.	
3:00 to 5:45AM	Mix LCM	2 3/4hr.	
5:45 to 7:00AM	Drlg. with reduced Pump Pressure	1 1/4hr.	
	Total	24 hrs.	

7:AM
June 20 - (6) Day operation
Saturday
Depth: 2829' (799)past 24 hrs. yesterday 2030'. Drlg.7 7/8
Bit #5: (RR#3) STC - 7 7/8 = F-3= Serial #BE9396 - Made 34.70' per hr. in @ 2000 - SI. in @ 2829
made 829 in 24¼ Hrs.
cum: 2060 in 97 hrs.
Total cum:
2889 in 121¼ hrs.

D/S: 80,000/38,000 RPM table = 50 = 18DC = 6¼OD x 31' x 2¼ ID = 565'
Pump: Omega triplex: 6"x8"=105 strokes = 1850#P.P.
Mud: Visc.37, WT 8.6, WL 12/cc/F/C 1/32, ph: 8.5 2% LCM.
Added: 0
Surveys: 200 @ 1 3/4 2511 = 1½°
Past 24 hrs. 23 drilling
½ R/S
½ survey
24 Hrs. Water well ok.

(7) Day operation
June 21 - 7A/M: Depth 3302' (473) Drilling w/Bit #6 (2x12jets x 1 Blank)
Sunday
Bit #6 - (New)Ser.#BR6655, STC-7 7/8, F-3 = (29.60per hr.)
In @ 2892' SI3302 = 410 in 14¼hrs.
Bit #5 - (RR#3) STC 7 7/8 = F3=Ser.#BE9396 in @ 2000' out @ 2892'= 892' in 26 3/4 hrs. cum. from before 2060' in 97 hrs.
accum. total on #5 is 2952' in 123 3/4 hrs.
D/S 84,000/38,000 - RPM - 50 - Bottom hole = 18DC.
Pump: Omega triplex: 6" x 8" = 105 strks, PP 1550#.
Mud: Vis.34, WT 8.9, WL 14 c/c, FC 1 /32, Ph. 8.8, 10% LCM.
Added: Gel 60 sax - Cedar Fibre - 30Sax. multi seal 6 sax, soda ash 2 sax, cellex 1½ sax, caustic soda 2 sax, defoamer 5 Gallons
Surveys: 2511 1½° 2892 = 1/2°
Past 24 hrs:

Drilling	17 3/4 hrs.
Tripping	4 3/4 "
R/S	1/4 "
circ.& cond. hole	1/2 "
Mix LCM	3/4 "
	24 hrs.

Water Well OK. Well loggers on location @ 6P/M to-nite.

June 22 - 7:AM (8th) Day operation
Monday Depth 3925 (623) Drilling 7 7/8 " Hole W/Bit #6
Bit #6(New) STC=7 7/8Ser.#BR6655 in @ 2892-SI3925 = 1033 in 37½Hrs.
D/S: 92,000/40,000 RPM = 50=Bottomhole=18DC=565'
Pump: Same: Omega 6"x 8" = 105strks, pressure 1700#
Mud: Vis.34, WT 8.8, WL 10c/c, F/C 1/32, ph 8.8=LCM, content 5%.
(Engineer check).
Added: 24 Gel, 1 ½ Driscose, 30 cedar fibre, 1½ sx. soda ash-
2 sax caustic, 5 multi plug #4.
Hole standing full. (OK). No lost volume since yesterday
morning trip.
Surveys : 2892 = 1/2° - 3401 = 3/4°
Past 24 hrs. Drilling 23¼ hrs.
R/S ¼ hrs.
Surveys ½ hrs.
24 hrs.
Water Well: Making water well OK.
Water truck: Sunday on location. (3 loads).

June 22 - Monday SAMPLE TOPS
Monday

	DEPTH	SUBSEA	HI TO NELSON
Morrison	290	+ 6760	+ 25
Summerville/ Curtis	1090		
Entrada	1157	+ 5893	+ 37
Carmel	1335	+ 5715	+ 29
Navoha	1380	+ 5670	+ 34
Kayenta	1820	+ 5230	+ 9
Wingate	2030?	+ 5020	+ 4
Chinle	2309	+ 4741	+ 55
Shinarump	2820	+ 4230	+ 54
Cutler	2960	+ 4090	+ 34

Prognosis for Future Tops

Honoker Trail	4715	Upper Desert Creek Anydrite	6195
Lower Upper Ismay (Piutte Knoll Zone)	5925	Salt	6205
Lower Ismay Shale	6010	Lower Desert Creek	6240
Lower Ismay limestone	6115	Lower Desert Creek Porosity	6245 + -
"B" Zone Shale	6135		
Upper Desert Creek	6180		

Tuesday
June 23 - 7:AM (9th) Day operation
Depth 4282' (357') Drilling
Bit #6: (New) STC. 7 7/8 SN#BR6655 in @ 2892' - still in 4282'
= 1390' - 58½hrs. 23.76F/per min.
D/S: 96,000/40,000RPM - 50 - Bottom hole .- 18DC = 565'
Pump: Same - Omega 750 6"x8" = 104SPM PP.1650#
Mud: Vis.35, LCM 5%, WT.8.9#, WL 8.8, PH. 9.6
Added: 48 Gel, celex 1½, C.S.1½, quickseal 45
solids, CL 600, F.L.cake 1/32, Plastic vis. 8, nut seal 42.
MICA 10, Pluget 33, 5 Gal.Defoamer
Survey: 3925 - 1 3/4°
Past 24 hrs. Drilling 21 hrs.
Tripping ¼ hrs. (3stands)
Mix mud 1½ hrs.
Survey 1¼ hrs. (had trouble w/survey machine.
24 Hrs.

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MOUNTAIN STATES RESOURCES, INC.
OIL & GAS EXPLORATION & PRODUCTION
ROCKY MOUNTAINS – WESTERN CANADA

June 23 - Tuesday — Remarks:
Lost 250Bbls. mud when started shaking it out.
Might as well leave it in. Weather overcast.

June 24 - Wednesday — 7:40AM (10) Day operation
Depth 4626' (344) Drilling with Bit #6
Bit #6 (New) STC-7 7/8" Ser.#BR6655-in @ 2892'-still in.
@ 4626' = 1738' in 86¼hrs.
D/S: 100,000/40,000-RPM 50 - Bottom hole = 18DC - 565
Pump: Omega 6"x8" triplex- Strk. 104-PP 1700#
Mud: visc. 38 - Wt.8.9 - WL. 8.4c/c - PH.7.6 - F/C 1/32-LCM 5%.
Added: Gel - 20 sax-cellex(Driscose)1½ - caustic soda 1½
multi seal 32 sax-"Plug it" - 19sax-defoamer 5 Gallons
Survey: 4447 = 1½° - cum. mud cost $12,349.00
Past 24 hrs:

Drilling	22 3/4	hrs.
R/S	1/4	hrs.
Surveys	1	hrs.
	24	hrs.

Remarks: Still losing volume, if you shake out the LCM.
Water Well: Enough water OK.

June 25 - Thursday — 7:30AM (11) Day Operation
Depth 4927' (301) Drilling w/Bit #6
Bit #6 (New) STC-7 7/8" Ser.#BR6655-in @2892'-still in @4927'= 2035 in 109½hrs.
(2x12xblank jets)
D/S: 108,000/40,000 on bit - table RPM = 50.
Pump: Omega 6"x8" SPM = 104 pp = 1500 - Bottom hole assembly:
18DC = 6¼ x 31' x 2¼ ID = 565'.
Mud: vis. 38 - Wt. 8.9# - WL. 8.4 c/c - Fc. 1/32 - PH. 7.5 - LCM 5%.
Added: Gel - 28 sax - Caus. soda 1½ sax - Celen: 1½ sax - multi seal:16 sax
Soda ash: ½ sax - Quick seal: 12 sax - Defoamer: 5 gal. - Plug it: 32 sax.
Cost: Daily - $ 2,050.00
Cumulative- 14,799.00
Survey: 4447 = 1½
Past 24 hrs:

Drilling	23 1/4	
R/S	1/4	
Rig Repair	1/2	
Airline on Main Pump		24 hrs

Honaker Trail Sample Top - 4750 - Subsea + 2300.

continued next page

MOUNTAIN STATES RESOURCES, INC.
OIL & GAS EXPLORATION & PRODUCTION
ROCKY MOUNTAINS – WESTERN CANADA

June 26 - 7:00 AM (12) Day Operation
Friday Depth 5168' (241) Drilling with Bit #7
Bit #6 - (New) STC 7 7/8 F3 - Ser. BR6655-in @2892' - out @4963' = 2071' in 111½ hrs - 8 TLDH.
Bit #7 - (New) STC 7 7/8 F3 - Ser. BR6607-in @4693 (2x12xblank)-S.I. @5168= 205 in 12 3/4 hrs: average 16.07' per hour.
D/S: 108,000/40,000 on bit - table RPM: 55 = Btm hole assembly 18DC = 6¼" x 31' x 2¼" ID = total 565'
Pump: Omega Triplex - 6" x 8" = SPM = 104 pp = 1800#.
Mud: vis. 35 - Wt. 9.0# - WL. 9.2 c/c - Fc. 2/32 - PH. 8 - LCM 5%
Added: Gel - 21 sax, Cellex - 1 sax(driscose), Caus. soda - 1 sax, Quick seal - 5 sax, Multi seal - 14 sax, Plug-it - 12 sax, Defoamer - 5 gal.
Cost: Daily - $ 2,027.37
Cumulative - 17,036.00

Survey: 4447 = 1½ 4963 = 1/2
Past 24 hrs.

Drilling	14 1/4
Tripping	9
R/S	1/4
Cond.to BTM 15'	1/2
	24 hrs.

Water well - quit yesterday @11 AM
Bobby Wright hauling water - nearly rolled truck into water pond!

June 27 - (13) Day Operation
Saturday 7:00 AM Depth 5565' (397') Status: Drilling w/Bit #7
Bit #7 - (New) STC 7 7/8 F3 - Ser. BR6607 - in @4963 S.I. @5565 (Jets 2 x 12 - 1 x blank) Made 602' in 36 hrs (36 hrs) 13' p/hr.
D/S: 110,000/40,000 - RPM 55
Pump: Omega 6" x 8" triplex pumps = SPM - 104 p.p. 1700#
Mud: Vis. 38 Wt. 9.0 W.L. 9.8 c/c PH. 7.5 LCM. 2%
F/C 2/32 Solids 4% - CL 800 PV 11 Sand ½ of 1%
Added: Gel: 30 sax - Cellex 1 1/2 sax - Caus. 1 1/2 sax multi-seal 7 sax Plug it 3 sax Defoamer 5 gals.
Cost: Daily - $ 1424.00
(mud) Cumulative - 18,460.00
Past 24 hrs.

Drilling	23 1/4 hrs
R/S	1/4 hrs
Run surveys	1/4 hrs
24	hrs.

Remarks:
Water well - operational again Friday 2 pm (26th)
Released Bobby Wright water truck Friday Afternoon.

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MOUNTAIN STATES RESOURCES, INC.
OIL & GAS EXPLORATION & PRODUCTION
ROCKY MOUNTAINS – WESTERN CANADA

June 28 - (14) Day Operation
Sunday
7:00 AM Depth 5868' (303') Status: Drilling w/Bit #7
(preparing to test Ismay oil show)
Bit #7 - 7 7/8 STC F3 - Ser. BR6607 (Jets 2 x 12-1 blank) in @4963'
S.I. @ 5868 - made 905' in 59 3/4 hrs.
D/S: 112,000/40,000 on bit = RPM 55
Pump: Omega pumps 6" x 8" - 104 stks. p.p. 1750#
Mud: Vis. 37 Wt. 8.9 W.L. 8.8 c/c PH. 7.5 LCM 2%
F/C 2/32 - solids 4% CL 1000 PV 10 YP6 Gel: 3/12
Added: 27 Gel - Cellex 2 sax - Caus. 1 1/2 sax - Defoamer 10 gals
Survey: 5458 = 1 1/4°
Cost: Daily - $ 1,177.00
Cumulative - 19,637.00
Past 24 hrs.

Drilling	23 3/4 hrs
R/S	1/4 hrs
Total	24 hrs

Remarks:
5853 = Upper Ismay oil in pits and over shaker: 150 units
1c-5c OW
Logging Unit: Drill to 5900 - Plan run DST #1 - 5840-5900.

June 29 - (15) Day Operation - Depth 5900' made 32 Status - Running DST#1
Monday
Bit #7 - 7 7/8" STC-F3 Ser. BR6607 (Jets 2 x 12-1Blank)
in @4963 - out 5900 - Made 937' in 62 hrs - aver. 13' p/hr.
D/S: 114,000/40,000 table RPM = 55 - 18 DC = 565°
Pump: 2 Omega pumps = 6" x 8" triplex - 104 SPM - p.p. 1750#
Mud: Vis. 36 - Wt. 8.9 - W.L. 8.8 c/c - PH 7.0 - FC 1/32 - LCM None
Added: 20 Gel - 2 Cellex
Cost: Daily - $ 903.00
Cumulative - 20,540.00
Survey: 5900 @ 1°
Past 24 hrs:

Drilling	2 1/4 hrs
Cir.for DST	1 1/2 hrs
R/S	1/4 hrs
Pull for DST #1 - make up tool and run in w/DST #1 -	10 1/2 hrs
Testing	9 1/2 hrs
	24 hrs.

Remarks:
DST #1 - 5835 to 5900 - V.O. strong blow - GTS - 12 mins.
I.F. 30 mins. - 1SI - 60 mins. - 2 in. flow=180 mins.

Pulled packer loose @ 4:30 AM - Pulled 120,000# - Pulled free OK.
Picked up 4000# of weight (fluid in pipe)
Tool string weighted 89000# - after test string weighted 93,000# (fluid in pipe?)

con't next page

MOUNTAIN STATES RESOURCES, INC.
OIL & GAS EXPLORATION & PRODUCTION
ROCKY MOUNTAINS – WESTERN CANADA

Redd #11-1 Well

Bayless Drilling Co.
Rig #5

June 29 (con/td) - DRILL STEM TEST #1 - 5835 - 5900 - 65'
Monday Lower Upper Ismay

Time: init. flow 30 min
init. shut-in 60
final flow 180
final shut-in 360

Tool opened w/strong blow - gas to surface 12 mins. measured @287 MCF. Decreasing during test as fluid entered drill pipe to 53 MCF.

Recovery:

Recover 440' total fill-up
350' gas/cut green oil
90' oil/gas cut mud

Gravity - 45° - 69°F

Btm hole temp - 124°

Init. hyd./static pressure	-	2737°
Final hyd./static pressure	-	2699°
Init. flow pressure	-	93-116
Init. shut-in pressure	-	810 lbs
Final flow pressure	-	119-191
Final shut-in pressure	-	722

Note: Pump jack for Nelson 6-11 arrived - will be unloaded today.

con't next page

MOUNTAIN STATES RESOURCES, INC.
OIL & GAS EXPLORATION & PRODUCTION
ROCKY MOUNTAINS – WESTERN CANADA

June 30 (15) Day Operation
Tuesday – 7:00 AM Depth 6060' (160') Status: Drilling
Bit #8 (R.R.#5) - STC 7 7/8 (Jets 12x 2)- Ser. BE9396
in @5900', still in @6060' Ftg. 160' in 13 1/4 hrs.
D/S: 116,000/40,000 DC: 18 Size 6¼ x 2¼ BTM Hole Ass'by. 566.5 (junk sub)
Pump: Omega = 6 x 8 SPM 104 p.p. 1700# RPM's 55
Mud: vis. 37 Wt. 8.8 WL 10 PH 7.6 FC 2/32 LCM 3%
Mixed past 24 hrs.
Little Gel & Little LCM
Surveys: None Last one 1° @ 5900
Past 24 hrs:

Drilling	13 1/4 hrs
Trips	5 3/4 hrs
R.S.	1/2 hrs
Mix LCM	2 1/4 hrs
Pull DST & Lay Dn.	2 1/4 hrs
	24 hrs.

July 1 – (16) Day Operation
Wednesday 6:00 AM Depth 6280' (220) Status: Logging
Bit #8 (R.R.#5) - STC 7 7/8 (Jets 2 x 12 x 1 blank) Ser. BE 9396
in @5900', still in 6280' Ftg. 380 in 27¼ hrs
D/S: 118,000/40,000 DC: 18 Size 6¼x2¼ -
Pump: Omega = 6"x8" SPM 104 p.p. RPM's 55
Mud: vis. 56 Wt. 8.9 W.L. 10.8 PH. 7.4 FC 2/32 LCM: Trace
Mixed past 24 hrs.
Gel = 40 sax Caus. soda 3 sax Qurb. 2 sax
Celene = 4 sax Soda Ash 9 sax Defoamer 25 gals.
Surveys: 5900 @1° 6280 1½°
Past 24 hrs:

Drilling w/#8	14¼ hrs
Short trip & pullout log	4½ hrs
R/Serv.	½
Cir. Hole for sample (2 hrs) % Cir. f/logs (2 hrs)	4½
Rig up to log	½
	24 hrs

MOUNTAIN STATES RESOURCES, INC.
OIL & GAS EXPLORATION & PRODUCTION
ROCKY MOUNTAINS – WESTERN CANADA

Redd #11-1 Well

Bayless Drilling Co.
Rig #5

July 2 - Thursday

(17) Day Operation
8:00 AM Depth TD 6280' Status: Prepared to cement 4½ prod. casing
Bit #8 STC 7 7/8 (jets 2 x 12 x 1blank) re-run Bit #5 Ser.#B9396 (5900 as bit #5) in @5900 still in 6280 Ftg. 380' in 27½ hrs. (Prior cumulative total 2952 - 123 3/4 hrs) made 3332' in 151 hrs.
D/S: 18,000/40,000 DC 18 6¼ x 31' long x 2¼ I.D. (inside junk sub) 566.5
Pump: (2) Omega D750 6" x 8" SPM 104 p.p. 1700# RPM 55
Mud: vis. 45 Wt. 8.8 W.L. 8.6 Ph 7.5 LCM 1% by volume
Mixed past 24 hrs:
Gel - 5 sax Cellex - 1 sax Caus. soda - 1 sax
Soda Ash - 1 sax Quabrachim - 1 sax
Surveys: 6280 ½°
Past 24 hrs:

8 - 2PM	6	Logging
2 - 9PM	7	Trip in hole slowly - 30' wash t/btm.
9 - 12Md	3	Lay down drill collars and pipe
12M- 3AM	3	Finish lay down pipe
3 - 4AM	1	Change BOP ramms
4 - 5AM	1	Rig up to run prod. casing
5 - 8AM	3	Run 4½ prod. casing
	24 hrs	

Remarks:

Ran 152 joints of 4½" 10.5# J-55 prod. pipe. Overall casing used 6305'. Landed at 6280'. Ran 1B 4½" float guide shoe and 6 4½" B centralizer - spaced 100' apart, covering bottom 500' of hole. 8AM presently cir. casing prior to cement with 250 sax of cement.

Will release rig at 10 AM today (July 2).

** FILE NOTATIONS **

DATE: July 8, 1981

OPERATOR: Mountain States Resources, Inc.

WELL NO: Redd #11-1

Location: Sec. 11 T. 33S R. 23E County: San Juan

File Prepared: ☑ Entered on N.I.D: ☑

Card Indexed: ☑ Completion Sheet: ☐

API Number 43-037-30697

CHECKED BY:

Petroleum Engineer: M. J. Minder 7/10/81

Director:

Administrative Aide: ok as per Rule C-3, ok on boundaries, ok on any other oil or gas well.

APPROVAL LETTER:

Bond Required: ☑ Survey Plat Required: ☐

Order No. ____ O.K. Rule C-3 ☐

Rule C-3(c), Topographic Exception - company owns or controls acreage within a 660' radius of proposed site ☐

Lease Designation Fee Plotted on Map ☐

Approval Letter Written ☐

Hot Line ☑ P.I. ☑

CONNIE M. KRIVANEK
PETROLEUM GEOLOGIST

MOUNTAIN STATES RESOURCES, INC.

Redd No.11-1

NE NE Sec 11 T33S-R23E

San Juan County, Utah

RECEIVED
JUL 10 1981
MOUNTAIN STATES RESOURCES, INC.

CONNIE M. KRIVANEK
PETROLEUM GEOLOGIST

GEOLOGICAL WELL REPORT

Prepared for

MOUNTAIN STATES RESOURCES, INC.
P.O. Box 176
Cut Bank, Montana 59427

REDD NO.11-1 WELL

NE NE Sec 11 T33S-R23E
San Juan County, Utah

by

Connie M. Krivanek
609 Meseta
Farmington, New Mexico 87401

July 6, 1981

CONNIE M. KRIVANEK
PETROLEUM GEOLOGIST

WELL:	REDD NO.11-1
OPERATOR:	Mountain States Resources, Inc.
DRILLING CONTRACTOR:	Bayless Drilling Company, Rig No.5 Toolpusher: Danny Phillips
LOCATION:	820' FNL & 780' FEL Section 11 Township 33S Range 23E
COUNTY:	San Juan
STATE:	Utah
ELEVATION:	7037' ground, 7050 Kelly Bushing
COMMENCED DRILLING:	June 15, 1981 (11:00 p.m.)
CEASED DRILLING:	June 30, 1981 (10:00 p.m.)
CASING RECORD:	Ran 8 5/8" casing at 400' with 240 sacks Ran 4½" casing at 6280' with 250 sacks, 10% salt
TOTAL DEPTH:	6280' driller - 6278' Gearhart-Owen
DRILLING MUD CO.:	NL BAROID/NL INDUSTRIES Monticello, Utah Pen Penfield & Lynn D. Harber, mud engineers
DRILLING SUPERVISOR:	Mr. José V. Montalban
WATER SOURCE:	Water well at location and pond 4 miles east of well location, 500 ppm chlorides
CORES:	None
DRILL STEM DATA:	Formation: Upper Ismay Interval: 5835'-5900' (65') Drill pipe recovery: 350' gas and mud-cut oil, 90' oil and gas-cut mud Sample chamber not used Maximum gas flow, approximately 44 MCFG/D end of first flow Well died 105 minutes into second flow

CONNIE M. KRIVANEK
PETROLEUM GEOLOGIST

DRILL STEM DATA:

Pressures in pounds:

		Time/mins.
Initial Hydrostatic	2737	
Initial Flow	93-116	(30)
Initial Shut-in	810	(60)
Final flow	119-191	(180)
Final Shut-in	222	(360)
Final Hydrostatic	2699	

Bottom hole temperature: 124°F

Pit mud resistivities: 2.5 ohms = 2,000 ppm chlorides

Oil and gas samples sent to Geo-Chem Lab, Casper, Wyoming

LOGS:

Gearhart-Owen Farmington, New Mexico
Engineer: Bob Gillingham
1. Dual Induction Laterolog: 6269' to 400'
2" and 5"= 100'
2. CNL - Density log - 6274' to 400'
2" and 5"= 100'

Rocky Mountain Geo-Engineering Mud Log:
1.3970' to 6280' - 5"=100' & 2"=100'

Geologist sample log: 1300' to 6280'
5"= 100'

STATUS: Ran 4½" casing to 6280', July 1, 1981

QUALITY OF SAMPLES: Poor to very good; mostly good

DISPOSITION OF SAMPLES:

American Stratigraphic Co.
6280 East 39th Avenue
Denver, Colorado 80207

HOLE DIFFICULTIES:

1. Lost circulation in Navajo sandstone while drilling at 1620'
2. Lost 150 barrels of mud in lower Kayenta sandstone while tripping in at 2000'
3. Lost 200 barrels of mud while drilling in Cutler siltstone at 3200'
4. Lost 200 barrels of mud while drilling in porous Cutler sandstone at 4004'
5. Lost 200 barrels of mud while tripping in at 5900' after DST No.1

Well Report
Redd No.11-1

CONNIE M. KRIVANEK
PETROLEUM GEOLOGIST

INTRODUCTION

The Mountain States Resources, Inc. No.11-1 Redd well was drilled one mile southwest of the Mountain States Morris Nelson No.6-11 well, NE SW Sec 6 T33S-R24E.

The writer arrived at the location at a drilling depth of 2893' (lower Shinarump).Unlagged samples were caught by the drilling crew from 1300' to 3010' in 30-foot intervals, and 10-foot intervals from 3010' to 3970'. From 3970' to 6280' 10-foot lagged samples were caught by the loggers. All samples were examined by a 10-power binocular microscope and checked for fluorescence in a Geoscope fluorescope.

STRUCTURE

Log correlation tops show the Ismay to lower Desert Creek salt 65' to 70' higher structurally than the Morris Nelson well. A 20-foot shorting of section occurs in the Drill Stem Test interval. Regional dip is northeast, less than one degree.

STRATIGRAPHY

The Lower-Upper Ismay (Piute Knoll zone) and lower Desert Creek zones were tight. However, a 32-foot chalky, pelletoidal limestone with 12% moldic porosity occurs at 5458' to 5490' near the top of the Paradox formation. An anomolous earthy and chalky porosity zone occurs at a drilling depth of 6238' to 6248'. Another porosity zone occurs at a drilled depth of 6271' to 6278' in a dolomitic mudstone. The upper zone had a 70-unit hot wire show.

OIL AND GAS SHOWS

Olive brown oil occurred on the pits and in the drilling mud while drilling at 5853'(5846' wireline log depth). This was the most significant show in the well. The oil was recovered from a fracture or fractures. No fluorescence was observed in the samples. A Drill Stem Test of the zone recovered 350 feet of gas and mud-cut oil and 90 feet of oil and gas-cut mud(see: DST data). The driller reported oil on the pits at 5928', which logs to 5921' (5913' wireline depth). No hot wire show was associated with this oil occurrence like the first. Oil and gas shows and recoveries in the No.11-1 Redd well do not correlate with oil and gas shows and recoveries in the No.6-11 Nelson well.

CONCLUSION

New zones of oil and gas shows and recoveries are found with each new well drilled in this area. The traditional porosity zones that produce gas and oil in the Lower-Upper Ismay and lower Desert Creek have not been productive in the two Mountain States wells. Oil and gas recoveries from fractured zones are becoming more important in this area.

Respectfully submitted,

Connie M. Krivanek

CONNIE M. KRIVANEK
PETROLEUM GEOLOGIST

REFERENCE WELL
Mt.States Resources
Morris Nelson No.6-11
NE SW Sec 6 T33S-R24E

SYSTEM	FORMATION(log tops)	KB 7050' DEPTH	KB 7050' ELEVATION	KB 6926' DEPTH	KB 6926' ELEVATION
CRETACEOUS	Dakota	Surface	7037	Surface	6915
JURASSIC	Morrison (unconformity)	290	6760(1)hi	265	6661
	Summerville-Curtis	1077	5973(7)hi	960	5966
	Entrada	1145	5905(49)hi	1070	5856
	Carmel	1324	5726(40)hi	1240	5686
TRIASSIC	Navajo	1372	5678(42)hi	1290	5636
	Kayenta	1800±	5250(29)hi	1705	5221
	Wingate	2028±	5022(6)hi	1910	5016
	Chinle	2296	4754(68)hi	2240	4686
	Shinarump	2820	4230(54)hi	2750	4176
PERMIAN	Cutler (unconformity)	2948	4102(46)hi	2870	4056
PENNSYL-VANIAN	Honaker Trail (unconformity)	4740±	2310(9)hi	4625	2301
	Paradox	5458	1592(17)hi	5351	1575
	Lower-Upper Ismay	5894	1156(65)hi	5835	1091
	Lower Ismay Shale	5970	1080(72)hi	5918	1008
	Lower Ismay Porosity	6087	963(63)hi	6026	900
	Gothic Shale	6094	956(74)hi	6044	882
	Desert Creek	6136	914(76)hi	6088	838
	Desert Creek (Anhydrite)	6150	900(76)hi	6102	824
	Lower Desert Creek (Salt)	6198	852(70)hi	6144salt	782
	Lower Desert Creek (porosity)	6215	835(84)hi	6175 (sample est.)	751est.
	Akah	6243	807		
	TOTAL DEPTH	6280		6237	

hi = high

CONNIE M. KRIVANEK
PETROLEUM GEOLOGIST

MUD COMPANY: NL Baroid/NL Industries
Monticello, Utah

MUD ENGINEER: Pen Penfield and Lynn D. Harber

MUD TYPE: Chemical gel

DEPTH	MUD WEIGHT	VISCOSITY	pH	WATER LOSS	ppmCl	Ca	OIL%	DATE
Spud								6-15
335	8.4	31	7.2	--	900	120		6-16
478	8.9	34	7.2	16	1100	88		6-17
2000	8.4	33	7	--	900	36		6-18
2068	8.6	44	8.5	14	800	40		6-19
2857	9.0	33	8.8	14	500	16		6-20
3337	8.8	35	8.8	10	600	20		6-21
3926	8.9	35	9.6	8.8	600	20		6-22
4279	8.9	38	7.6	8.4	700	12		6-23
4660	9.0	35	7.5	8.4	900	80		6-24
4963	9.0	35	8.0	9.2	800	100		6-25
5215	9.0	35	7.5	8.0	800	80		6-26
5603	8.9	37	7.5	8.8	1000	70	0	6-27
5900	8.9	--	7	8.8	900	100	1	6-28
5900	8.8	41	7.6	9.2	600	44	2	6-29
6075	8.8	37↓53	7	22	500	220	T	6-30
6280	8.9	56	7.4	10.8	7200	500	0	7-01

BIT RECORD

NO.	MAKE	SIZE	TYPE	DEPTH OUT	FEET	HOURS	PUMP PRES.	REMARK
1	STC	12¼"	V1J	293	241	5¼	2200	3/4°
2	STC	12¼"	2JS	400	107	3		
3	STC	7 7/8"	F-3	1565	1160	19½	2200	1°
4	STC	7 7/8"	F-3	2000	435	7½	2200	
5	STC	7 7/8"	F-3	2892	892	26-3/4	1850	
6	STC	7 7/8"	F-3	4963	2071	106-3/4	1750	
7	STC	7 7/8"	F-3	5900	937	61	1750	1°
8	STC	7 7/8"	F-3	6280	380	27¼	1750	

Well Report
Redd No.11-1

CONNIE M. KRIVANEK
PETROLEUM GEOLOGIST

CHRONOLOGICAL WELL HISTORY

1981 DATE	DAY OF OPERATION	0800 DEPTH	(FEET CUT)	COMMENTS
June				
15	0	0	0	Spud
16	1	292	292	Trip for bit 2
17	2	1410	1118	Drilling
18	3	2000	590	Set 8-5/8" casing @400'
19	4	2000	0	WOC
20	5	2858	774	Drilling
21	6	3320	462	Drilling
22	7	3975	655	Drilling
23	8	4316	341	Drilling
24	9	4656	340	Drilling
25	10	4956	300	Drilling
26	11	5193	237	Tripped at 4963' for NB
27	12	5582	389	Drilling
28	13	5884	302	Drilling
29	14	5900	16	Laying down test tools
30	15	6087	187	Drilling
1 July	16	6280TD	202	Logging

DISTRIBUTION LIST

Mountain States Resources, Inc.
P.O. Box 176
Cutbank, Montana 59427
Attention: José V. Montalban

Wexpro Company
P.O. Box 2329
Farmington, New Mexico 87401
Attention: Greg W. Martin

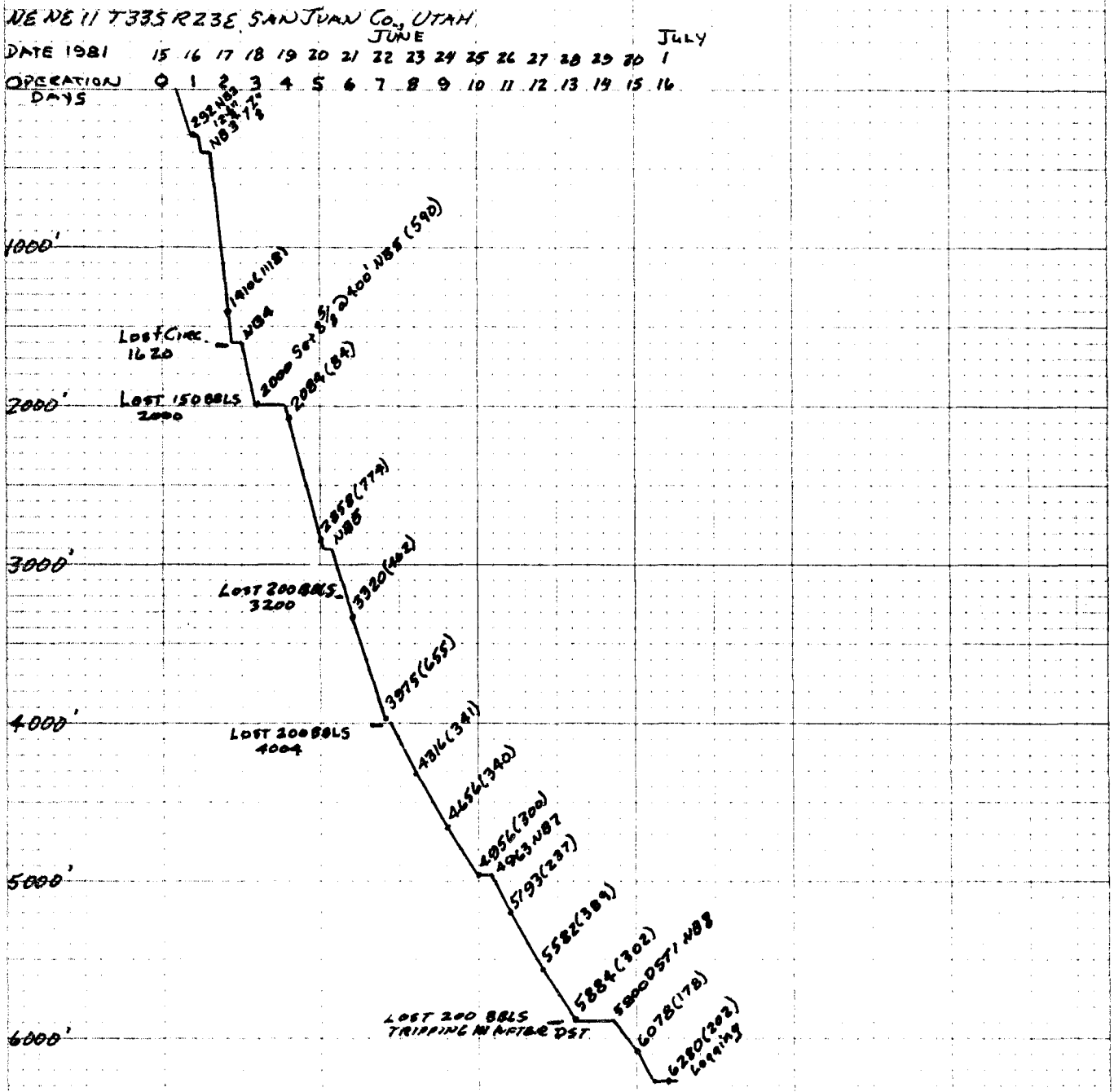
Redd No. 11-1

MOUNTAIN STATES RESOURCES, INC.

REDD No. 11-1

NE NE 11 T33S R23E SAN JUAN Co., UTAH

PENETRATION CHART



Well Report
Redd No.11-1

CONNIE M. KRIVANEK
PETROLEUM GEOLOGIST

SAMPLE DESCRIPTION

UN-LAGGED SAMPLES DEPTH(IN FEET)	DRLG.TIME MIN/FT/5'	
600- 630	.5,1,.5, .5,.5,.5	MUDSTONE, green, waxy, in MORRISON
630- 660	.5,1,1,1, 1,.5	MUDSTONE, green & grey SANDSTONE, white, fine-medium, clean
660- 690	1,1,.5,.5 1,1	MUDSTONE, green-red brown; BENTONITE
690- 720	1,1,.5,1 1,1	SANDSTONE, white, medium-coarse, clay cemented, sub-rounded, tight
720- 750	1,1,1,1,1,1	MUDSTONE, red-brown
750- 780	1,1.5,1,.5 .5,.5	SANDSTONE, white, fine, medium, dense
780- 810	.5,.5,1 .5,.5,1	SANDSTONE, as above; BENTONITE,white MUDSTONE, red-brown
810- 840	1,1,1,1,1,1	MUDSTONE, red-brown
840- 870	1,1,2,1.5 2,1	MUDSTONE, red-brown; SANDSTONE, white-green, fine-medium, dense
870- 900	1,1,2,2,2,1	SANDSTONE,as above; MUDSTONE, red-brown
900- 930	1,1.5,1,1 1,1.5	MUDSTONE, green-maroon; SANDSTONE, white, fine-medium, dense
930- 960	1.5,1,1,1 3,1	MUDSTONE, red brown-green LIMESTONE, white, dense, trace
960- 990	1,1.5,2,3 1.5,1.5	MUDSTONE, red-brown
990-1020	1.5,1.5,2 2,2,1	MUDSTONE, red-brown; SANDSTONE, white, fine-coarse, dense
1020-1050	1,1,1,1.5 1,2	MUDSTONE, red-brown; BENTONITE, white
1050-1080	2,2,2,2 .5,.5	SILTSTONE, red-brown, calcareous CHERT
1080-1110	.5,.5,1 1,1,1.5	SILTSTONE, red-brown, sandy BENTONITE; CHERT, red
1110-1140	1.5,2,1.5 1.5,2,2	SILTSTONE, red-brown, sandy
1140-1170	2,2,1,1 .2,.2	SILTSTONE, red-brown, sandy; BENTONITE ENTRADA, 1157'
1170-1200	.2,.2,.2 .2,.2,.2	SANDSTONE,white,medium,sub-angular-sub-rounded,good sorting,10% porosity, white clay matrix
1200-1230	.2,.2,.2 .2,.2,.2	SANDSTONE, as above
1230-1260	as above	SANDSTONE, as above
1260-1290	as above	SANDSTONE, as above
1290-1320	.2,.2,.2,.5 .5,.5	SANDSTONE, as above

Well Report
Redd No.11-1

CONNIE M. KRIVANEK
PETROLEUM GEOLOGIST

UN-LAGGED SAMPLES DEPTH(IN FEET)	DRLG.TIME MIN/FT/5'	SAMPLE DESCRIPTION
1320-1350	.5,.5,1 1,1,1	SILTSTONE, red-brown;CARMEL 1335'
1350-1380	1,1,1,1,1,1	Samples Missing 1350-1700
1380-1410	.5,.2,.1 .2,1,.2	NAVAJO 1380'
1410-1440	.5,.5,.5 .5,.5,.5	
1440-1470	as above	
1470-1500	as above	
1500-1530	as above	
1530-1560	as above	
1560-1590	as above	
1590-1620	as above	
1620-1650	as above	lost circulation 1620'
1650-1680	as above	
1680-1700	as above	
1700-1730	as above	SANDSTONE, white,pink,very fine-fine, sub-rounded,well sorted,10% porosity Lost circulation material
1730-1760	.5,.5,.5 1,1,1	SANDSTONE, as above
1760-1790	1.6,1,1 .5,1,.5	No Samples
1790-1820	.5,.2,.2 .2,.5,1	No Samples
1820-1850	1.5,1,1 1,1,1	SILTSTONE,red-brown;SANDSTONE, white, fine, medium, good sorting, 5% eolian sand,spherical,etched, KAYENTA 1820'
1850-1880	1,1,1,1,1,1	SANDSTONE,light pink,very fine-fine, good sorted, 5% eolian grains Lost circulation material
1880-1910	2,2,1,1,1,1	SANDSTONE, as above
1910-1940	1,1,1,1,1 1.5	SANDSTONE, as above
1940-1970	1.5,1.5,2.5 2,1.5,1	SANDSTONE, as above
1970-2000	1,1,1,1.5 1.5,1.5	SANDSTONE, as above
2000-2030	2,2,1.5 2,1.5,2	No Samples lost 150BBLS @2000'
2030-2060	1,1,1,1 .5,.5	Samples Missing 2000-2410 WINGATE 2030'
2060-2090	.5,.2,.2 .5,.5,.5	

Well Report
Redd No.11-1

CONNIE M. KRIVANEK
PETROLEUM GEOLOGIST

SAMPLE DESCRIPTION

UN-LAGGED SAMPLES DEPTH(IN FEET)	DRLG.TIME MIN/FT/5'	
2090-2120	.5,.5,.5	
	.5,.5,.5	
2120-2150	as above	
2150-2180	as above	
2180-2210	as above	
2210-2240	as above	
2240-2270	as above	
2270-2300	.5,.5,.5,.5,.5,.7	
2300-2330	1,1,2,3,3,3.5	CHINLE 2309'
2330-2360	3,3,3.5,3,2.5,2	
2360-2390	1.5,1.5,2,2.5,2.8, 2	
2390-2410	2,2.5,2.5,2,2,2	
2410-2440	2,2,2,2,2,2	MUDSTONE, red-brown, calcareous
2440-2470	as above	MUDSTONE, red-brown
2470-2500	2,2,2,2.5	MUDSTONE, red-brown
	2.5,2.5	
2500-2530	2,2,2,2.5	MUDSTONE, red-brown, mottled green
	2,2	
2530-2560	2,2,2,2	MUDSTONE, red-brown
	2.5,2.5	
2560-2590	2,2,2,2,2,2	MUDSTONE, red-brown, mottled green
2590-2620	as above	MUDSTONE, red-brown
2620-2650	as above	MUDSTONE, as above
2650-2680	as above	MUDSTONE, as above
2680-2710	as above	MUDSTONE, as above
2710-2740	as above	MUDSTONE, as above
2740-2770	2.5,2.5,2.5	MUDSTONE, as above
	2.5,2,2	
2770-2800	2,2.5,2	MUDSTONE, as above
	2,2,2	LIMESTONE, grey, dense
2800-2830	2,2,2,2	MUDSTONE, red-brown; SHINARUMP 2821'
	1.5,1.5	
2830-2860	2,2,2,2	SILTSTONE,red-brown,black specks,
	1.5,1	sandy;SANDSTONE,red-brown,fine,tight
2860-2890	1,1,1,1,1,1	SANDSTONE, as above
2890-2920	3,2,2,2,2,2	MUDSTONE, red-brown
2920-2950	1,2.5,2	Lost circulation material
	2.5,2.5,1	SANDSTONE, white, fine-medium
2950-2980	.5,.5,1.5	SANDSTONE,white,medium,sub-rounded,
	2,1.8,2	well sorted,unconsolidated
		CUTLER 2960'
2980-3010	1.8,2,2	SANDSTONE, as above, trace coal
	2,2,2	SHALE, green,red-brown, Lost cir-
		culation material

Well Report
Redd No.11-1

CONNIE M. KRIVANEK
PETROLEUM GEOLOGIST

SAMPLE DESCRIPTION

UN-LAGGED SAMPLES DEPTH(IN FEET)	DRLG.TIME MIN/FT/5'	
3010-3020	2,2	SANDSTONE,white,medium,unconsolidated SILTSTONE, red-brown
3020-3030	2,2	SILTSTONE,as above;SANDSTONE,white, fine, porous
3030-3040	2,2	SILTSTONE, red-brown
3040-3050	2,2	MUDSTONE, red-brown, silty
3050-3060	2,2	MUDSTONE, red-brown
3060-3070	2,2	MUDSTONE, as above
3070-3080	2,2.5	SANDSTONE, white,fine,tight MUDSTONE, red-brown
3080-3090	2,2,	MUDSTONE,as above;SANDSTONE, white, fine, tight
3090-3100	2,2	SANDSTONE, white, medium, sub-rounded, unconsolidated
3100-3110	2,2	SANDSTONE, white-pink,medium-coarse, subrounded, loose grains
3110-3120	1.5,2	SANDSTONE, as above
3120-3130	2,2.5	SANDSTONE, as above
3130-3140	2.5,2.5	MUDSTONE, red-brown, silty
3140-3150	2.5,2.6	SILTSTONE, red-brown
3150-3160	2,2.5	SILTSTONE, as above
3160-3170	2,2.5	SILTSTONE, as above
3170-3180	2.5,3	SILTSTONE, as above
3180-3190	2.5,3	SILTSTONE, as above
3190-3200	2.5,3	SILTSTONE, red-brown, green
3200-3210	2.5,2	SILTSTONE, red-brown
3210-3220	2,2	MUDSTONE, red-brown
3220-3230	2,2	SILTSTONE, red-brown
3230-3240	2,2	SILTSTONE, as above
3240-3250	2,2	SILTSTONE, as above
3250-3260	2.5,3	SILTSTONE, as above;MUDSTONE, red-brn.
3260-3270	2,2	SILTSTONE, as above
3270-3280	2,2	SILTSTONE, as above
3280-3290	2,2.5	SILTSTONE, as above
3290-3300	3,2.5	SILTSTONE, red-brown, sandy
3300-3310	2.5,3	MUDSTONE, red-brown, micaceous
3310-3320	2,2.5	MUDSTONE, red-brown
3320-3330	2,3	MUDSTONE, as above
3330-3340	2,2	MUDSTONE, as above
3340-3350	2,2	MUDSTONE, as above
3350-3360	2,3	MUDSTONE, red-brown, green
3360-3370	3,1	MUDSTONE, red-brown;SANDSTONE, white, fine-medium, good sorting, sub-rounded, 10% porosity

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SAMPLE DESCRIPTION

UN-LAGGED SAMPLES DEPTH(IN FEET)	DRLG.TIME MIN/FT/5'	
3370-3380	1,.5	SANDSTONE,white-pink,medium,subrounded good sorting,10% porosity, unconsolidated; ANHYDRITE, trace
3380-3390	.2,1	SANDSTONE,white,fine,subrounded,good sorting,unconsolidated;MUDSTONE,red-brown; ANHYDRITE, white
3390-3400	1.5,2	SANDSTONE & MUDSTONE, as above
3400-3410	.5,.5	SANDSTONE & MUDSTONE, as above
3410-3420	.2,1	SANDSTONE & MUDSTONE, as above
3420-3430	3,2	SANDSTONE,as above; MUDSTONE,red-brown green, grey;CHERT, yellow-brown
3430-3440	1.5,1	SANDSTONE,white,fine,sub-angular,sub-rounded,good sorting,white clay matrix
3440-3450	2,3	MUDSTONE,red-brown;SANDSTONE,as above
3450-3460	3.5,2	MUDSTONE, red-brown
3460-3470	3,3	SANDSTONE,white,fine,good sorting, calcareous;MUDSTONE, grey
3470-3480	1,1	MUDSTONE, grey-green SANDSTONE,white,fine clay cemented
3480-3490	2.5,3	MUDSTONE & SANDSTONE, as above
3490-3500	4,2.5	SILTSTONE,red-brown,green,sandy
3500-3510	1,.7	SANDSTONE,white-pink,fine,good sorting good porosity
3510-3520	2.5,2	SANDSTONE,pink,poor samples,mostly lost circulation material
3520-3530	3,3	Lost circulation material SANDSTONE, as above ?
3530-3540	3,3	MUDSTONE, red-brown, green
3540-3550	2,3	MUDSTONE, grey
3550-3560	.5,.5	SANDSTONE, white,pink,fine,well sorted porous
3560-3570	.5,.5	MUDSTONE, red-brown poor sample
3570-3580	.5,.5	MUDSTONE, dark brown poor sample
3580-3590	.5,.5	MUDSTONE, dark brown poor sample
3590-3600	.5,.5	MUDSTONE, dark brown;SANDSTONE,white-pink,fine,well sorted,porous
3600-3610	1.2,.5	SANDSTONE, as above
3610-3620	.5,1	SANDSTONE, as above
3620-3630	.5,2	SANDSTONE,white-pink,fine,well sorted, subrounded-well rounded, porous
3630-3640	2,2.5	SANDSTONE, as above
3640-3650	3,3	MUDSTONE, red-brown
3650-3660	3,3	MUDSTONE, as above

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SAMPLE DESCRIPTION

UN-LAGGED SAMPLES DEPTH(IN FEET)	DRLG.TIME MIN/FT/5'	
3660-3670	5,2	MUDSTONE,red-brown;SANDSTONE,white-pink,fine,well sorted,porous
3670-3680	3,2	MUDSTONE, red-brown
3680-3690	3,5	SILTSTONE, red-brown
3690-3700	2.5,2	MUDSTONE, red-brown
3700-3710	1,1	MUDSTONE, red-brown-green
3710-3720	1.5,1	SANDSTONE,pink,fine,well rounded, unconsolidated, good sorting
3720-3730	1,1	SANDSTONE,white,fine,as above, less porous;MUDSTONE,red-brown-green
3730-3740	2.5,3.5	MUDSTONE, red-brown-green
3740-3750	1,1	SILTSTONE, red-brown
3750-3760	2,4	SANDSTONE, pink,fine-very fine,fair porosity
3760-3770	4.5,2	SANDSTONE,pink,fine-medium,subrounded, good sorting, unconsolidated
3770-3780	1,3	MUDSTONE, red brown-brown green
3780-3790	1.5,3	MUDSTONE, red-brown
3790-3800	3,3.5	MUDSTONE, red-brown;SANDSTONE, white, fine, trace
3800-3810	3,2.5	MUDSTONE, red-brown/brown
3810-3820	4,4	MUDSTONE, red brown-brown-green-purple
3820-3830	2,1	MUDSTONE, red-brown/brown
3830-3840	1,1	MUDSTONE, red-brown
3840-3850	5,2	MUDSTONE, red-brown;SANDSTONE, white, fine, fair porosity
3850-3860	3,1.5	SILTSTONE,green-red brown,sandy SANDSTONE, blue clay matrix
3860-3870	1,4	MUDSTONE, red-brown
3870-3880	4,1.5	SILTSTONE,brown-red brown,sandy SANDSTONE, white, fine, porous
3880-3890	1,2	MUDSTONE, red-brown,light grey,waxey
3890-3900	4,4	MUDSTONE, red-brown;SANDSTONE, white, pink,fine, fair porosity
3900-3910	4,3	SILTSTONE, red-brown, sandy
3910-3920	2,3.5	Lost circulation material
3920-3930	2	Lost circulation material
3930-3940		Lost circulation material SILTSTONE, red-brown
3940-3950		SANDSTONE,fine,pink,fine,subrounded, loose grains; lost circulation material
3950-3960		Lost circulation material MUDSTONE, red-brown

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LAGGED SAMPLES DEPTH(IN FEET)	DRLG.TIME MIN/FT/5'	
3960-3970		Lost circulation material;MUDSTONE,red-
3970-3980	2,2	Lost circulation material brown MUDSTONE, red-brown
3980-3990	1.5,1	Lost circulation material MUDSTONE, as above
3990-4000	1,1	MUDSTONE, as above
4000-4010	3,3.5	SANDSTONE,white-pink,fine,fair sorting @4004' lost 200BBLS mud
4010-4020	4,6	SILTSTONE, red-brown, sandy
4020-4030	3,3	No sample; cleaning pits
4030-4040	3.5,4	No sample; cleaning pits
4040-4050	4.5,4.5	SILTSTONE,red-brown,micaceous,sandy
4050-4060	2.5,2.5	SANDSTONE,red-brown,silty,tight
4060-4070	3,4	MUDSTONE,red-brown;SANDSTONE, white-pink,fine-medium, tight
4070-4080	4,4	SILTSTONE, red-brown
4080-4090	5,5	SANDSTONE, white-pink,fine,silty, tight, clay cement
4090-4100	5,4.5	SANDSTONE, as above
4100-4110	3,3	SILTSTONE, red-brown
4110-4120	3.5,1.5	SILTSTONE, as above
4120-4130	1.5,2	SANDSTONE, red-brown,fine-medium,silty tight
4130-4140	1.5,2	SILTSTONE, red-brown
4140-4150	2.5,2.5	MUDSTONE, as above
4150-4160	6,4.5	MUDSTONE,red-brown,silty,sandy
4160-4170	4.5,4.5	SILTSTONE, white, sandy
4170-4180	5.5,4	MUDSTONE,red-brown, silty,sandy
4180-4190	3.5,4	MUDSTONE, red-brown
4190-4200	4,4	MUDSTONE, as above
4200-4210	4.2,4	MUDSTONE, as above
4210-4220	2,1	SANDSTONE, red-brown, silty, fine grained, tight
4220-4230	3.5,5	SANDSTONE, red-brown, as above
4230-4240	4.5,4	SILTSTONE, red-brown,trace green
4240-4250	5,4	SILTSTONE, red-brown
4250-4260	4.5,4	SILTSTONE, as above
4260-4270	4,4	SILTSTONE, as above
4270-4280	4.5,4	SILTSTONE, red-brown, trace green
4280-4290	3,1	SANDSTONE,pink,fine-coarse,subrounded, loose grains, poor sorted
4290-4300	.5,.5	SANDSTONE,as above, good sorting
4300-4310	.5,.5	SANDSTONE,pink,fine-medium,subrounded, good sorting, unconsolidated

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LAGGED SAMPLES DEPTH(IN FEET)	DRLG.TIME MIN/FT/5'	
4310-4320	3.5,5	MUDSTONE, red-brown, silty
4320-4330	4.5,4.5	SILTSTONE,red-brown; SHALE, green
4330-4340	4.5,4	SILTSTONE,red-brown
4340-4350	5,4	MUDSTONE, as above
4350-4360	3.5,3.5	MUDSTONE, as above
4360-4370	3,3.5	MUDSTONE, as above
4370-4380	3.5,3	MUDSTONE, as above
4380-4390	3,3	MUDSTONE, as above
4390-4400	3,3	MUDSTONE, as above
4400-4410	3,3.5	MUDSTONE, as above
4410-4420	3.5,3	MUDSTONE, as above
4420-4430	2.5,3	MUDSTONE, as above
4430-4440	2.5,3	MUDSTONE, as above
4440-4450	4.5,4	MUDSTONE, as above
4450-4460	5,5	SILTSTONE, as above
4460-4470	4.5,4.5	SILTSTONE, as above
4470-4480	5,1	SILTSTONE, as above SANDSTONE, white, medium, trace
4480-4490	1.5,1.5	SANDSTONE,white-pink,medium,subrounded clay cemented, tight
4490-4500	2,4	SANDSTONE, as above;MUDSTONE,red-brn.
4500-4510	5,4	MUDSTONE, red-brown;SANDSTONE, red-brown, medium, tight
4510-4520	4.5,4.5	SILTSTONE, red-brown
4520-4530	5,4.5	SILTSTONE, as above
4530-4540	4,4	SILTSTONE, as above, sandy
4540-4550	5,7	SILTSTONE, as above
4550-4560	6,6	SILTSTONE, as above
4560-4570	5,6	SILTSTONE, as above
4570-4580	5.5,4.5	SILTSTONE, red-brown
4580-4590	5,5	SILTSTONE, as above;LIMESTONE,grey, dense
4590-4600	6,6	SILTSTONE,as above;LIMESTONE,as above, trace
4600-4610	5.5,5	MUDSTONE, red-brown
4610-4620	5,4	MUDSTONE, as above
4620-4630	4,5	SILTSTONE, as above
4630-4640	1,.5	SANDSTONE,pink,fine-coarse,subangular, subrounded,fair sorting,unconsolidated, good porosity
4640-4650	.5,.5	SANDSTONE,as above,more consolidated, less porous
4650-4660	2,5	SILTSTONE,red-brown-green;trace of SANDSTONE, as above

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SAMPLE DESCRIPTION

LAGGED SAMPLES DEPTH(IN FEET)	DRLG.TIME MIN/FT/5'	
4660-4670	4.5,5.5	SILTSTONE, red-brown
4670-4680	4.5,5	SILTSTONE, as above
4680-4690	4.5,5	SILTSTONE, as above;SANDSTONE,white-green,medium,tight,micaceous
4690-4700	4.5,4	SILTSTONE & SANDSTONE, as above
4700-4710	4.5,5	SILTSTONE,as above;LIMESTONE, grey, dense,trace;SANDSTONE, white-grey, medium, tight, trace
4710-4720	5,4	SILTSTONE, as above
4720-4730	4.5,5	SILTSTONE,as above;SANDSTONE, white, fine,micaceous,tight,calcareous
4730-4740	4.5,4	SANDSTONE,as above;LIMESTONE, grey, dense,interbedded with SANDSTONE,as above
4740-4750	1,2	SANDSTONE,as above,slight stain,no cut or fluorescence;LIMESTONE, grey, dense
4750-4760	3,3	MUDSTONE,grey,slightly limey HONAKER TRAIL 4750'
4760-4770	3,3.5	SANDSTONE,grey,fine,dense;SHALE,grey, slightly limey;MUDSTONE,red-brown, (sluff?)
4770-4780	3,4.5	MUDSTONE, grey, slightly limey
4780-4790	4.5,4.5	LIMESTONE,white,chalky,trace grey, dense
4790-4800	3.5,3.5	LIMESTONE,white,chalky, light grey, pelletoidal, dense
4800-4810	3,5	SANDSTONE,white,fine,tight,slight stain;MUDSTONE, grey, limey
4810-4820	6,5	SANDSTONE,white,fine,silty,tight
4820-4830	6,6	SANDSTONE, as above;MUDSTONE, grey, limey, trace
4830-4840	6,6	LIME MUDSTONE, grey-dark grey
4840-4850	5.5,5	SILTSTONE, white, sandy LIME MUDSTONE, grey
4850-4860	6,8	LIMESTONE,light-dark grey,chalky, dense
4860-4870	6.5,4	LIMESTONE,light grey,chalky,dense; trace DOLOSTONE,light brown, trace pinpoint vuggy porosity, fluorescence, cut
4870-4880	6,6	LIMESTONE,light grey-white,chalky, dense;trace DOLOSTONE,as above
4880-4890	7.5,7	LIMESTONE,tan,dense;SILTSTONE &SANDSTONE,white,fine,tight,calcareous

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SAMPLE DESCRIPTION

LAGGED SAMPLES DEPTH(IN FEET)	DRLG.TIME MIN/FT/5'	
4890-4900	5.5,5	LIME MUDSTONE,grey-dark grey, dense SANDSTONE,grey,medium,calcareous, unconsolidated
4900-4910	5,5	SANDSTONE,white-light grey,fine, rounded,poor sorted,silty,calcareous;MUDSTONE, dark brown
4910-4920	5.5,5.5	SILTSTONE,white-light grey,calcareous
4920-4930	5,5	SILTSTONE, as above
4930-4940	4,4.5	SILTSTONE, white-light grey
4940-4950	4,4	MUDSTONE,grey,calcareous,silty
4950-4960	3.5,4	MUDSTONE,dark grey,calcareous,silty
4960-4970	4,4	SHALE, grey
4970-4980	5,4	LIME MUDSTONE, dark grey, dense
4980-4990	4,5	LIMESTONE,white-grey,dense,trace pellets
4990-5000	4,4	LIMESTONE, chalky, sandy, dense
5000-5010	5,4	MUDSTONE,grey-dark grey, limey
5010-5020	5,4	SILTSTONE, grey, limey
5020-5030	4,4	LIME MUDSTONE, grey, dense
5030-5040	4,4	LIMESTONE, light grey, dense
5040-5050	4,4	LIMESTONE, as above
5050-5060	4,4	LIMESTONE, grey,dense; poor sample
5060-5070	3,3	LIME MUDSTONE, grey; poor sample
5070-5080	3,2	LIME MUDSTONE, grey; poor sample
5080-5090	1,2	SANDSTONE,white,medium,angular,subrounded; poor sample
5090-5100	4,3	MUDSTONE, brown-grey,limey;poor sample
5100-5110	3,4	SANDSTONE,medium,unconsolidated MUDSTONE, brown
5110-5120	3,2	SANDSTONE & MUDSTONE, as above
5120-5130	3,4	LIMESTONE,white-light grey, dense SANDSTONE, light brown, medium MUDSTONE, brown-grey
5130-5140	4,3.5	LIMESTONE, white, dense, clean
5140-5150	3,2	LIMESTONE, as above SANDSTONE, white-tan, fine MUDSTONE, brown-grey
5150-5160	3,3	SANDSTONE, white-grey, subrounded SILTSTONE, grey
5160-5170	3,3	LIMESTONE, tan, dense
5170-5180	3,3	LIMESTONE, as above
5180-5190	2.5,2.5	SANDSTONE, tan, medium MUDSTONE, brown

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LAGGED SAMPLES DEPTH(IN FEET)	DRLG.TIME MIN/FT/5'	
5190-5200	3,3	SANDSTONE,tan,medium;SILTSTONE,grey MUDSTONE, brown, silty
5200-5210	2,3	SILTSTONE, grey, sandy LIMESTONE, tan, dense
5210-5220	4,3.5	LIMESTONE, tan, grey, dense
5220-5230	4.5,4.5	LIMESTONE, tan, dense
5230-5240	3.5,3.5	MUDSTONE, grey, limey LIMESTONE, light grey, dense
5240-5250	4,4	MUDSTONE,grey-dark grey, limey
5250-5260	4,4	MUDSTONE,grey,limey;LIMESTONE, white-tan, dense
5260-5270	4,3	LIMESTONE, white-tan, dense
5270-5280	3,3	MUDSTONE,grey,limey;trace LIMESTONE, white
5280-5290	2.5,3	MUDSTONE,as above;LIMESTONE,tan,dense
5290-5300	3,3.5	MUDSTONE,as above;LIMESTONE,as above SANDSTONE, white-grey, trace
5300-5310	3,3	MUDSTONE,as above;LIMESTONE,tan,trace
5310-5320	3.5,3.5	LIMESTONE,tan-white,sandy,fine-very coarse, well rounded, dense
5320-5330	3.5,4	LIMESTONE,tan-medium grey,fine, crystalline; trace CHERT
5330-5340	4,4	LIME MUDSTONE,medium-dark grey,shaley
5340-5350	4.5,4	LIME MUDSTONE, dark grey
5350-5360	3,3.5	LIMESTONE,white,chalky,tan,dense LIME MUDSTONE, dark grey
5360-5370	4,5	LIMESTONE, white-tan, dense LIME MUDSTONE, dark grey
5370-5380	4,4	LIME MUDSTONE, as above
5380-5390	4,4	LIME MUDSTONE, as above
5390-5400	4,4	LIME MUDSTONE, as above
5400-5410	5,3.5	LIME MUDSTONE, as above
5410-5420	4,1.5	LIME MUDSTONE, as above SANDSTONE, white, medium, tight
5420-5430	1.5,2.5	SANDSTONE,white,fine-medium,tight, white cement
5430-5440	1.5,2	SANDSTONE, as above
5440-5450	3,3	SANDSTONE, as above
5450-5460	6,6	LIMESTONE,light-medium grey, dense
5460-5470	5.5,2.5	LIMESTONE, as above
5470-5480	1,1.5	LIMESTONE,light grey,white,chalky, abundant pellets,trace moldic porosity, tight

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LAGGED SAMPLES DEPTH(IN FEET)	DRLG.TIME MIN/FT/5'	
5480-5490	1.5,1.5	LIMESTONE,white,chalky,pelletoidal, moldic porosity 5%,trace faint stain no cut,no fluorescence,Crinoid
5490-5500	1.5,2.5	No sample
5500-5510	5.5,5	MUDSTONE, dark grey, limey Trace LIMESTONE, as above
5510-5520	6,4	MUDSTONE, as above
5520-5530	4.5,3.5	LIMESTONE, tan, dense
5530-5540	4,4	LIMESTONE, as above
5540-5550	3,3.5	LIMESTONE, as above
5550-5560	3,2	LIMESTONE,tan,trace pellets,dense, no SCF
5560-5570	2,3	LIMESTONE,tan,5-10% pellets,dense
5570-5580	2,4	LIMESTONE, tan, dense
5580-5590		SANDSTONE,white,limey matrix,tight LIMESTONE, tan, dense
5590-5600		No sample after cleaning pits
5600-5610	4,4.5	No sample
5610-5620	4.5,4.5	MUDSTONE, dark grey, limey
5620-5630	4.5,4.5	MUDSTONE, as above
5630-5640	3.5,4	MUDSTONE, as above
5640-5650	4,6	LIMESTONE, light grey, dense
5650-5660	4.5,4.5	LIMESTONE,light grey-medium grey,dense
5660-5670	4,4	LIMESTONE, as above
5670-5680	3.5,3.5	LIMESTONE, tan-light grey
5680-5690	4,5	LIMESTONE,as above,pelletoidal,trace vuggy porosity,no SCF
5690-5700	5,4.5	LIMESTONE, tan-light grey
5700-5710	5,5	LIME MUDSTONE, medium-dark grey
5710-5720	5,5	LIME MUDSTONE, as above
5720-5730	4,4	LIME MUDSTONE,as above,mineral fluorescence
5730-5740	3.5,5.5	LIMESTONE, tan, dense
5740-5750	4,5	LIME MUDSTONE, dark grey
5750-5760	5.5,5.5	LIME MUDSTONE, as above;SANDSTONE, fine-medium, calcareous, tight
5760-5770	5.5,4.5	LIME MUDSTONE, as above
5770-5780	4.5,5	LIME MUDSTONE, as above LIMESTONE, tan, dense, trace
5780-5790	4.5,4	LIME MUDSTONE, grey
5790-5800	4,5	LIMESTONE,tan,dense;UPPER ISMAY 5790'
5800-5810	6,6	LIMESTONE, tan, dense
5810-5820	5.5,5.5	LIMESTONE, as above

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SAMPLE DESCRIPTION

LAGGED SAMPLES DEPTH(IN FEET)	DRLG.TIME MIN/FT/5'	
5820-5830	5,5	LIMESTONE, tan, dense;SHALE,dark grey
5830-5840	5.5,5	SHALE, dark grey; poor sample
5840-5850	4.5,4	MUDSTONE, dark grey
5850-5860	4,5	MUDSTONE,as above;trace LIMESTONE,tan, dense. oil on pits;samples don't fluorescence or cut;only the mud fluorescences
5860-5870	4.5,4	MUDSTONE,dark grey, limey;LIMESTONE, oolitic,fair,interoolitic pinpoint vuggy porosity,dolomitic,fair stain, no cut, pelletoidal
5870-5880	4,3.5	MUDSTONE, dark grey;trace LIMESTONE, tan, dense
5880-5890	3.5,3	MUDSTONE, dark grey,limey;LIMESTONE, tan,trace pellets,trace vuggy porosity, dense
5890-5900	3,3	MUDSTONE,dark grey,limey;trace LIMESTONE,tan,dense
5900-5910	4.5,5	LIME MUDSTONE,grey-dark grey;ANHYDRITE white,dense;LOWER-UPPER ISMAY 5905'
5910-5920	4,5	SHALE,black;ANHYDRITE, white, dense
5920-5930	6,5.5	MUDSTONE,limey;5928' oil on pits;logs back to 5921' depth
5930-5940	6.5,5	LIMESTONE,white,chalky,light grey, dense, clean
5940-5950	3,2	LIMESTONE,as above;mineral fluorescence
5950-5960	2.5,4	LIMESTONE, as above
5960-5970	3.5,4.5	LIMESTONE, as above;min'l.fluorescence
5970-5980	5,4	LIMESTONE,white,chalky,light-medium dark grey, dense
5980-5990	5,5	LIMESTONE,white,chalky,light-dark grey dense
5990-6000	5,4.5	LIMESTONE,white,light-dark grey,dense
6000-6010	3.5,5	SHALE,dark grey;LOWER ISMAY SHALE 6000
6010-6020	4,3	SHALE,as above
6020-6030	3,4	SHALE,as above
6030-6040	6,5.5	SHALE,as above;trace LIMESTONE, light grey, dense
6040-6050	6,5	SHALE,as above;trace LIMESTONE,as above
6050-6060	5,5.5	MUDSTONE,grey,limey;LIMESTONE, brown-light grey,dense;ANHYDRITE,white, trace LOWER ISMAY ANHYDRITE 5058'
6060-6070	6,6	ANHYDRITE, white, massive
6070-6080	6,5	ANHYDRITE, as above

CONNIE M. KRIVANEK
PETROLEUM GEOLOGIST

SAMPLE DESCRIPTION

LAGGED SAMPLES DEPTH(IN FEET)	DRLG.TIME MIN/FT/5'	
6080-6090	5.5,6	ANHYDRITE, white, massive
6090-6100	6,6	MUDSTONE, grey;ANHYDRITE, as above
6100-6110	5,5	LIMESTONE,grey-brown,dense; LOWER ISMAY Carbonate 6100'
6110-6120	4.5,4	LIMESTONE,as above;SHALE,dark grey, brown,calcareous;GOTHIC SHALE 6110'
6120-6130	4,4	SHALE,dark grey,brown,calcareous LIMESTONE,grey-brown,dense
6130-6140	3,3.5	SHALE, dark grey,brown,calcareous
6140-6150	5,6	SHALE, dark grey, as above
6150-6160	3.5,4	LIMESTONE, grey,silty,soft,tight
6160-6170	4,4.5	SILTSTONE, grey, soft, limey, DESERT CREEK 6160'
6170-6180	5,5	ANHYDRITE, white; UPPER DESERT CREEK ANHYDRITE 6170'
6180-6190	5,3.5	ANHYDRITE, white
6190-6200	4.5,4.5	LIMESTONE, grey, dense
6200-6210	2.5,.5	DOLOMITE, grey, tight;LOWER DESERT CREEK Salt 6202';Salt 6800 ppm
6210-6220	.5,4	MUDSTONE, tan, calcareous, dense; top LOWER DESERT CREEK porosity equivalent 6215'±
6220-6230	6,2.5	MUDSTONE, tan, dolomitic, soft
6230-6240	2.5,1.7	MUDSTONE, tan
6240-6250	.5,1	MUDSTONE,dark grey,brown,soft,earthy, very calcareous,slightly dolomitic, fine grained, some ANHYDRITE replacement
6250-6260	1.5,1.5	MUDSTONE, dark grey;trace ANHYDRITE while soft
6260-6270	2,3	MUDSTONE,as above;trace ANHYDRITE as above
6270-6280	.5,.5	SHALE,dark grey-black;LIMESTONE, tan, dolomitic, fine grain, tight

TOTAL DEPTH 10:00 p.m.±
June 30, 1981

CHEMICAL & GEOLOGICAL LABORATORIES

P.O. Box 2794
Casper, Wyoming 82602

GAS ANALYSIS REPORT

Company Mountain States Resources Inc. Date 7-8-81 Lab. No. 37990
Well No. Redd No. 11-1 Location NENE 11-33S-23E
Field Vega Prospect Formation Lower Upper Ismay
County San Juan Depth 5835-5900
State Utah Sampling point
Line pressure ____ psig; Sample pressure 10 psig; Temperature ____ ° F; Container number Lynes
Remarks
DST No. 1

Component	Mole % or Volume %	Gallons per MCF
Oxygen	0	
Nitrogen	4.64	
Carbon dioxide	0.76	
Hydrogen sulfide	NIL	
Methane	62.97	
Ethane	18.46	
Propane	8.95	2.455
Iso-butane	0.79	0.258
N-butane	2.62	0.824
Iso-pentane	0.23	0.084
N-pentane	0.43	0.155
Hexanes & higher	0.15	0.069
Total	100.00	3.845

GPM of pentanes & higher fraction 0.308

Gross btu/cu. ft. @60° F. & 14.7 psia (dry basis) 1335
Specific gravity (calculated from analysis) 0.823
Specific gravity (measured) 0.825

Remarks:

CHEMICAL & GEOLOGICAL LABORATORIES
P. O. Box 2794
Casper, Wyoming 82601

CRUDE OIL ANALYSIS REPORT

Company	Mountain States Resources, Inc.	**Date**	7-8-81 **Lab. No.** 37992
Well No.	Redd 11-1	**Location**	NENE 11-33S-23E
Field	Vega Prospect	**Formation**	Lower Upper Ismay
County	San Juan	**Depth**	5835-5900
State	Utah	**Analyzed by**	KCM, KW

DST No. 1 - 6-28-81

GENERAL CHARACTERISTICS

Specific gravity @ 60/60 °F.	0.8272
A.P.I. gravity @ 60 °F.	40.0
Saybolt Universal Viscosity @ 70°F., seconds	51.5
Saybolt Universal Viscosity @ 100°F., seconds	49.1
B. s. and water, % by volume	75
Pour point, °F.	35
Total sulphur, % by weight	0.05

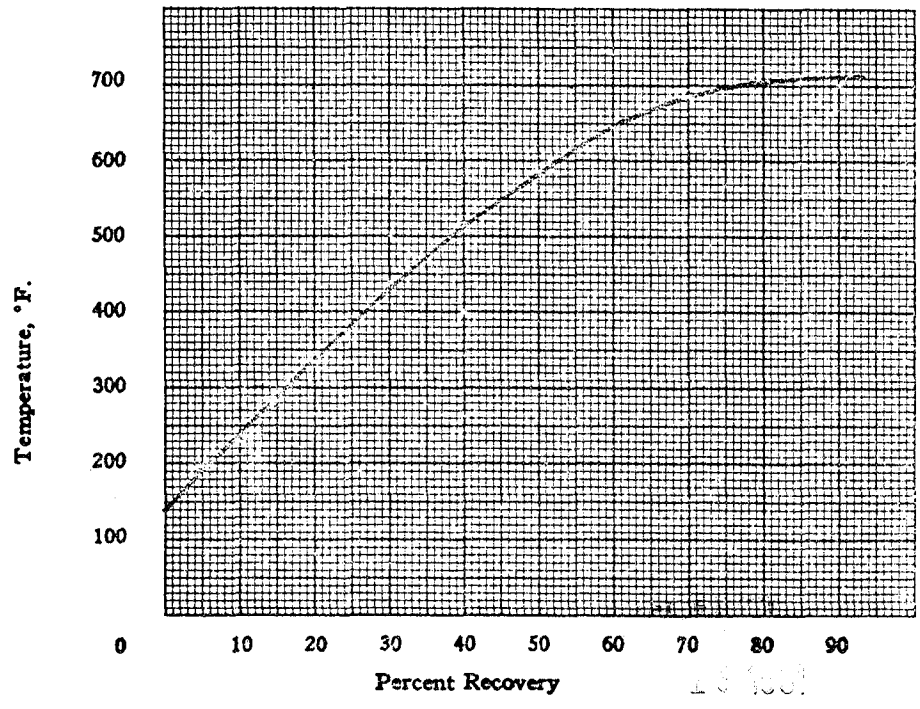
REMARKS: Composite of top, upper middle, lower middle & bottom.

ENGLER DISTILLATION

Recovery, %	Temperature, °F.
IBP	140
5	196
10	237
15	277
20	333
25	379
30	431
35	476
40	513
45	549
50	581
55	611
60	644
65	671
70	691
75	701
80	707
85	708
90	709
95	
E.P.	710

Recovery, %	94.0
Residue, %	5.5
Loss, %	0.5

DISTILLATION GRAPH



Approximate Recovery MOUNTAIN STATES RESOURCES, INC.

300 EP gasoline, %	16.5
392 EP gasoline, %	26.0
500 EP distillate, %	12.5

DRILL STEM TEST REPORT

DST # 1 Date 6-29-81 Testing Co. LYNES

WELL NAME: REDD INVESTMENT #11-1

Formation: ISMAY Interval: 5835'-5900' Wtr. Cushion NO

Hole Size 7 7/8 Packer Size 7 Drl. Pipe Size 4" Bbls/Ft .0108

Drl. Collar Size 6 1/4 Bbls/Ft .0049 Drlg. Contractor BAYLESS DRILLING #5

Mud Filtrate: Ppm Nitrate -0- Ppm Chlorides 900

	Minutes Duration
Preflow	30
Initial Shutin	60
Flow Period	180
Final Shutin	360

Gas to Surf. 20 Min; Rate 32.4 MCFPD

Fluid to Surf. Min; Rate

Mud Min; Wtr Min; Oil Min

Test Description: Bottom hole conventoinal dbl pk, 1st tool opened w/ strong blow off bot of bucket in 30 sec. 10# on hose in 5 min 14# in lo min 16# in 15 min gas to surface in 20 min open to 1 1/4" choke in 17 min 13# on hose

Orifice Plate Size	Temp.	Minutes from V.O.	Pressure	Rate
1/4		5	7	32.40
1/4		50	5	29.45
1/4		100	.25	22.45

Pressure Records (Field Readings) -- Bomb Depth Bottom Hole Temp. 124 •

Pre-Flow Final Flow

IHP 2737 IFP 93 FFP 116 ISIP 810 ; IFP 119 FFP 191 FSIP 222 FHP 2699

Sampler Capacity Cc's; Sampler Pressure Rstv Temp •

Cu Ft Gas Cc's Oil Cc's Water Cc's (Other)

Sampler Recovery (Water): Ppm Nitrate Ppm Chlorides

Pipe Recovery: 440' total gas and mud cut oil, 350' heavy gas and mud cut oil and 90' heavy oil and gas cut mud

Problems: None

Remarks: No sampler run

Agent of Operator Keith Clem

DEVIATION SURVEYS

WELL NAME: REDD INVESTMENT COUNTY: SAN JUAN STATE: UTAH

DEPTH	DEVIATION	DEPTH	DEVIATION	DEPTH	DEVIATION	DEPTH	DEVIATION
293	3/4°						
700	1						
1249	3/4						
1565	3/4						
2000	1 3/4						
2511	1 1/2						
2892	1/2						
3401	3/4						
3925	1 3/4						
4447	1 1/2						
4963	1/2						
5458	1 1/4						
5900	1						

BIT RECORD

WELL NAME: REDD INVESTMENT #11-1

COMPANY NAME: MOUNTAIN STATES RESOURCES, INC.

DRILLING CONTRACTOR: BAYLESS DRILLING #5

SPUD DATE: June 15, 1981

ELEVATION: GL 7037' KB 7050'

SECTION: NE/NE Sec. 11, T33S, R23E

LOCATION: SAN JUAN COUNTY, UTAH

T.D. DATE: July 1, 1981

BIT#	SIZE	MAKE	TYPE	DEPTH OUT	FEET	HOURS	FT / HR
1	12 1/4	STC	V1J	293'	241	5 1/4	45 9
2	12 1/4	STC	2JS	400	107	3	35.7
3	7 7/8	STC	F3	1565	1160	19 1/2	59.5
4	7 7/8	STC	F3	2000	435	7 1/2	58
5	7 7/8	STC	F3	2892	892	26 3/4	33.3
6	7 7/8	STC	F3	4963	2071	106 3/4	19.4
7	7 7/8	STC	F3	5900	937	61	15.4
8-RR4	7 7/8	STC	F3	6280	380		

ROCKY MOUNTAIN GEO-ENGINEERING CO.

WELL LOGGING — CORE AND WATER ANALYSIS

2450 INDUSTRIAL BLVD. PHONE 243-3044 GRAND JUNCTION, COLORADO 81501

COMPANY MOUNTAIN STATES RESOURCES INC.

WELL NO. REDD INVESTMENT 11-1

LOCATION NENE 11 T33S R23E

ZONE OF INTEREST NO. 1

INTERVAL: From 5466' To 5498'

DRILL RATE: Abv 4 MPF Thru 1,5 MPF Below 5 MPF

MUD GAS-CHROMATOGRAPH DATA

	TOTAL	C_1	C_2	C_3	C_4	C_5	OTHER
Before	1	--	--				
During	4	186	--				
After	2-3	--	--				

Type gas increase: Gradual ☒ Sharp ☐

Gas variation within zone: Steady ☒ Erratic ☐ Increasing ☐ Decreasing ☐

CARBIDE HOLE RATIO: GRAMS / READING X Min. in Peak = _____ Sensitivity: Poor ☐ Fair ☒ Good ☐

FLUO: Mineral ☐ Even ☐ Spotty ☐
None ☒ % in total sample _____
Poor ☐
Fair ☐ % in show lithology _____
Good ☐ COLOR: _____

CUT: None ☒ Streaming
Poor ☐ Slow ☐
Fair ☐ Mod ☐
Good ☐ Fast ☐
COLOR: _____

STAIN: None ☒ Poor ☐ Fair ☐ Good ☐ Live ☐ Dead ☐ Residue ☐ Even ☐ Spotty ☐ Lt. ☐ Dk. ☐

POROSITY: Poor ☐ Fair ☒ Good ☐ Kind EARTHY

LITHOLOGY LS- WH-LT GY CHKY FRM BLKY MICXLN FOS CRIN BRY FR POR

SAMPLE QUALITY GOOD

NOTIFIED _____ @ _____ HRS. DATE: _____

REMARKS KEITH CLEM

ZONE DESCRIBED BY _____

COLORADO PRINTING CO., GRAND JUNCTION, COLO.

ROCKY MOUNTAIN GEO-ENGINEERING CO.

WELL LOGGING — CORE AND WATER ANALYSIS

2450 INDUSTRIAL BLVD. PHONE 243-3044 GRAND JUNCTION, COLORADO 81501

COMPANY MOUNTAIN STATES RESOURCES INC

WELL NO. REDD INVESTMENT 11-1

LOCATION NENE 11 T33S R23E

ZONE OF INTEREST NO. 2

INTERVAL: From 5552' To 5564'

DRILL RATE: Abv 3.5 MPF Thru 2 MPF Below 3.5 MPF

MUD GAS-CHROMATOGRAPH DATA

	TOTAL	C_1	C_2	C_3	C_4	C_5	OTHER
Before	2	--					
During	9	--					
After	2	--					

Type gas increase: Gradual ☒ Sharp ☐

Gas variation within zone: Steady ☒ Erratic ☐ Increasing ☐ Decreasing ☐

CARBIDE HOLE RATIO: GRAMS / READING X Min. in Peak = _____ Sensitivity: Poor ☐ Fair ☒ Good ☐

FLUO: Mineral ☐ Even ☐ Spotty ☐
None ☒ % in total sample _____
Poor ☐
Fair ☐ % in show lithology _____
Good ☐ COLOR: _____

CUT: None ☒ Streaming
Poor ☐ Slow ☐
Fair ☐ Mod ☐
Good ☐ Fast ☐
COLOR: _____

STAIN: None ☒ Poor ☐ Fair ☐ Good ☐ Live ☐ Dead ☐ Residue ☐ Even ☐ Spotty ☐ Lt. ☐ Dk. ☐

POROSITY: Poor ☐ Fair ☒ Good ☐ Kind EARTHY

LITHOLOGY SS- LT GRN VF GR W SRT SFT BLKY

SAMPLE QUALITY GOOD

NOTIFIED _____ @ _____ HRS. DATE: _____

REMARKS _____

ZONE DESCRIBED BY KEITH CLEM

COLORADO PRINTING CO., GRAND JUNCTION, COLO.

ROCKY MOUNTAIN GEO-ENGINEERING CO.

WELL LOGGING — CORE AND WATER ANALYSIS

2480 INDUSTRIAL BLVD. PHONE 243-3044 GRAND JUNCTION, COLORADO 81501

COMPANY MOUNTAIN STATES RESOURCES INC

WELL NO. REDD INVESTMENT 11-1

LOCATION NENE 11 T33S R23E

ZONE OF INTEREST NO. 3

INTERVAL: From 5846' To 5856'

DRILL RATE: Abv 4.5 MPF Thru 3 MPF Below 4.5 MPF

MUD GAS-CHROMATOGRAPH DATA

	TOTAL	C_1	C_2	C_3	C_4	C_5	OTHER
Before	1	373	189	49	--	--	
During	200	15145	6615	2337	666	1332	
After	38	513	265	74	TR	133	

Type gas increase: Gradual ☐ Sharp ☒

Gas variation within zone: Steady ☐ Erratic ☒ Increasing ☐ Decreasing ☐

CARBIDE HOLE RATIO: GRAMS / READING X Min. in Peak = _____ Sensitivity: Poor ☐ Fair ☐ Good ☒

FLUO: Mineral ☐ Even ☐ Spotty ☐
None ☒ % in total sample _____
Poor ☐
Fair ☐ % in show lithology _____
Good ☐ COLOR: _____

CUT: None ☒ Streaming
Poor ☐ Slow ☐
Fair ☐ Mod ☐
Good ☐ Fast ☐
COLOR: _____

STAIN: None ☒ Poor ☐ Fair ☐ Good ☐ Live ☐ Dead ☐ Residue ☐ Even ☐ Spotty ☐ Lt. ☐ Dk. ☐

POROSITY: Poor ☒ Fair ☐ Good ☐ Kind FRACTURE

LITHOLOGY SH- DK-M GY SM BLKY FRM V CALC GRDD MRLST LS- LT GY-WH MICXLN DNS FRM
TR SS- WH-CLR SBANG-SBRD M SRT UNCONSOL NSOFC

SAMPLE QUALITY GOOD

NOTIFIED CONNIE KRIVANEK @ 6 AM HRS. DATE: 28 JUNE 1981

REMARKS OIL IN POSSUM BELLY AND ALL MUD PITS AFTER CONNECTION; OIL IS LIGHT GREEN IN COLOR, LIGHT GREEN TO LIGHT YELLOW FLOORESCENCE AND VERY FAST LIGHT YELLOW CUT, AFTER OXIDIZED TURNED OLIVE GREEN-BLACK COLOR; TESTED IN DST #1

ZONE DESCRIBED BY KEITH CLEM

COLORADO PRINTING CO., GRAND JUNCTION, COLO.

ROCKY MOUNTAIN GEO-ENGINEERING CO.

WELL LOGGING — CORE AND WATER ANALYSIS

2450 INDUSTRIAL BLVD. PHONE 243-3044 GRAND JUNCTION, COLORADO 81501

COMPANY MOUNTAIN STATES RESOURCES, INC.

WELL NO. REDD INVESTMENT 11-1

LOCATION NENE 11-T33S-R23E

ZONE OF INTEREST NO. 4

INTERVAL: From 5972 To 5974

DRILL RATE: Abv 5 MPF Thru 4.5 MPF Below 5.5

MUD GAS-CHROMATOGRAPH DATA

	TOTAL	C_1	C_2	C_3	C_4	C_5	OTHER
Before	35	800	—				
During	58	2700	—				
After	30	600	—				

Type gas increase: Gradual ☒ Sharp ☐

Gas variation within zone: Steady ☒ Erratic ☐ Increasing ☐ Decreasing ☐

CARBIDE HOLE RATIO: GRAMS / READING X Min. in Peak = _____ Sensitivity: Poor ☐ Fair ☐ Good ☒

FLUO: Mineral ☐ Even ☐ Spotty ☐
None ☒ % in total sample _____
Poor ☐
Fair ☐ % in show lithology _____
Good ☐ COLOR: _____

CUT: None ☒ Streaming
Poor ☐ Slow ☐
Fair ☐ Mod ☐
Good ☐ Fast ☐
COLOR: _____

STAIN: None ☒ Poor ☐ Fair ☐ Good ☐ Live ☐ Dead ☐ Residue ☐ Even ☐ Spotty ☐ Lt. ☐ Dk. ☐

POROSITY: Poor ☐ Fair ☐ Good ☐ Kind _____

LITHOLOGY LS- wh chky sft lt-mgycrp-micxln NSOFC

SAMPLE QUALITY GOOD

NOTIFIED _____ @ _____ HRS. DATE: _____

REMARKS _____

ZONE DESCRIBED BY KEITH CLEM

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WELL LOGGING — CORE AND WATER ANALYSIS

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COMPANY MOUNTAIN STATES RESOURCES, INC.

WELL NO. REDD INVESTMENT 11-1

LOCATION NENE 11-T33S-R23E

ZONE OF INTEREST NO. 5

INTERVAL: From 6140 To 6142

DRILL RATE: Abv 3.5 Thru 3 Below 6

MUD GAS-CHROMATOGRAPH DATA

	TOTAL	C_1	C_2	C_3	C_4	C_5	OTHER
Before	25	—					
During	35	—					
After	7	—					

Type gas increase: Gradual ☒ Sharp ☐

Gas variation within zone: Steady ☒ Erratic ☐ Increasing ☐ Decreasing ☐

CARBIDE HOLE RATIO: GRAMS / READING X Min. in Peak = _____ Sensitivity: Poor ☐ Fair ☐ Good ☐

FLUO: Mineral ☐ Even ☐ Spotty ☐
None ☒ % in total sample _____
Poor ☐
Fair ☐ % in show lithology _____
Good ☐ COLOR: _____

CUT: None ☒ Streaming
Poor ☐ Slow ☐
Fair ☐ Mod ☐
Good ☐ Fast ☐
COLOR: _____

STAIN: None ☒ Poor ☐ Fair ☐ Good ☐ Live ☐ Dead ☐ Residue ☐ Even ☐ Spotty ☐ Lt. ☐ Dk. ☐

POROSITY: Poor ☐ Fair ☐ Good ☐ Kind _____

LITHOLOGY SH-BLK W/SM FRM VCALC PLTY ARG

SAMPLE QUALITY GOOD

NOTIFIED _____ @ _____ HRS. DATE: _____

REMARKS _____

ZONE DESCRIBED BY KEITH CLEM

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ROCKY MOUNTAIN GEO-ENGINEERING CO.

WELL LOGGING — CORE AND WATER ANALYSIS

2450 INDUSTRIAL BLVD. PHONE 243-3044 GRAND JUNCTION, COLORADO 81501

COMPANY MOUNTAIN STATES RESOURCES, INC.

WELL NO. REDD INVESTMENT 11-1

LOCATION NENE 11-T33S-R23E

ZONE OF INTEREST NO. 6

INTERVAL: From 6156 To 6160

DRILL RATE: Abv 4 Thru 3.5 Below 3.5

MUD GAS-CHROMATOGRAPH DATA

	TOTAL	C_1	C_2	C_3	C_4	C_5	OTHER
Before	7	—	—	—	—		
During	60	2500	980	300	—		
After	3	—	—	—	—		

Type gas increase: Gradual ☐ Sharp ☒

Gas variation within zone: Steady ☒ Erratic ☐ Increasing ☐ Decreasing ☐

CARBIDE HOLE RATIO: GRAMS / READING X Min. in Peak = _____ Sensitivity: Poor ☐ Fair ☐ Good ☐

FLUO: Mineral ☐ Even ☐ Spotty ☐
None ☒ % in total sample _____
Poor ☐
Fair ☐ % in show lithology _____
Good ☐ COLOR: _____

CUT: None ☒ Streaming
Poor ☐ Slow ☐
Fair ☐ Mod ☐
Good ☐ Fast ☐
COLOR: _____

STAIN: None ☒ Poor ☐ Fair ☐ Good ☐ Live ☐ Dead ☐ Residue ☐ Even ☐ Spotty ☐ Lt. ☐ Dk. ☐

POROSITY: Poor ☐ Fair ☐ Good ☐ Kind _____

LITHOLOGY SS-WH CLR FGR NSOFC

SAMPLE QUALITY GOOD

NOTIFIED _____ @ _____ HRS. DATE: _____

REMARKS _____

ZONE DESCRIBED BY KEITH CLEM

COLORADO PRINTING CO GRAND JUNCTION COLO

ROCKY MOUNTAIN GEO-ENGINEERING CO.

WELL LOGGING — CORE AND WATER ANALYSIS

2450 INDUSTRIAL BLVD. PHONE 243-3044 GRAND JUNCTION, COLORADO 81501

COMPANY MOUNTAIN STATES RESOURCES, INC.

WELL NO. REDD INVESTMENT 11-1

LOCATION NENE 11-T33S-R23E

ZONE OF INTEREST NO. 7

INTERVAL: From 6183' To 6186'

DRILL RATE: Abv 5.5 Thru 3.5 Below 3.5

MUD GAS-CHROMATOGRAPH DATA

	TOTAL	C_1	C_2	C_3	C_4	C_5	OTHER
Before	3	—	—	—			
During	47	600	—	—			
After	10						

Type gas increase: Gradual ☐ Sharp ☒

Gas variation within zone: Steady ☒ Erratic ☐ Increasing ☐ Decreasing ☐

CARBIDE HOLE RATIO: GRAMS / READING X Min. in Peak = _____ Sensitivity: Poor ☐ Fair ☐ Good ☒

FLUO: Mineral ☐ Even ☐ Spotty ☐
None ☒ % in total sample _____
Poor ☐
Fair ☐ % in show lithology _____
Good ☐ COLOR: _____

CUT: None ☒ Streaming
Poor ☐ Slow ☐
Fair ☐ Mod ☐
Good ☐ Fast ☐
COLOR: _____

STAIN: None ☒ Poor ☐ Fair ☐ Good ☐ Live ☐ Dead ☐ Residue ☐ Even ☐ Spotty ☐ Lt. ☐ Dk. ☐

POROSITY: Poor ☐ Fair ☐ Good ☐ Kind _____

LITHOLOGY LS-WH LT-MGY-DKGY SFT-FRM DNS NSOFC

SAMPLE QUALITY GOOD

NOTIFIED _____ @ _____ HRS. DATE: _____

REMARKS _____

ZONE DESCRIBED BY KEITH CLEM

COLORADO PRINTING CO. GRAND JUNCTION COLO

ROCKY MOUNTAIN GEO-ENGINEERING CO.

WELL LOGGING — CORE AND WATER ANALYSIS

2450 INDUSTRIAL BLVD. PHONE 243-3044 GRAND JUNCTION, COLORADO 81501

COMPANY MOUNTAIN STATES RESOURCES, INC.

WELL NO. REDD INVESTMENT 11-1

LOCATION NENE 11-T33S-R23E

ZONE OF INTEREST NO. 8

INTERVAL: From 6240 To 6250

DRILL RATE: Abv 2 Thru 0.5 Below 3

MUD GAS-CHROMATOGRAPH DATA

	TOTAL	C_1	C_2	C_3	C_4	C_5	OTHER
Before	5	—	—	—	—		
During	80	2500	730	250	—		
After	20	—	—	—	—		

Type gas increase: Gradual ☐ Sharp ☒

Gas variation within zone: Steady ☒ Erratic ☐ Increasing ☐ Decreasing ☐

CARBIDE HOLE RATIO: GRAMS / READING X Min. in Peak = _____ Sensitivity: Poor ☐ Fair ☐ Good ☒

FLUO: Mineral ☐ Even ☐ Spotty ☐
None ☒ % in total sample _____
Poor ☐
Fair ☐ % in show lithology _____
Good ☐ COLOR: _____

CUT: None ☒ Streaming
Poor ☐ Slow ☐
Fair ☐ Mod ☐
Good ☐ Fast ☐
COLOR: _____

STAIN: None ☒ Poor ☐ Fair ☐ Good ☐ Live ☐ Dead ☐ Residue ☐ Even ☐ Spotty ☐ Lt. ☐ Dk. ☐

POROSITY: Poor ☐ Fair ☐ Good ☐ Kind _____

LITHOLOGY LS- WH LT-MGY-DKGY BLKYPLTY SFT-FRM ARG DNS MIC-CRPXLN

SAMPLE QUALITY GOOD

NOTIFIED _____ @ _____ HRS. DATE: _____

REMARKS _____

ZONE DESCRIBED BY KEITH CLEM

COLORADO PRINTING CO., GRAND JUNCTION, COLO.

ROCKY MOUNTAIN GEO-ENGINEERING CO.

WELL LOGGING — CORE AND WATER ANALYSIS

2450 INDUSTRIAL BLVD. PHONE 243-3044 GRAND JUNCTION, COLORADO 81501

COMPANY MOUNTAIN STATES RESOURCES, INC.

WELL NO. REDD INVESTMENT 11-1

LOCATION NENE 11-T33S-R23E

ZONE OF INTEREST NO. 9

INTERVAL: From 6252 To 6260

DRILL RATE: Abv 3 Thru 2.5 Below 3

MUD GAS-CHROMATOGRAPH DATA

	TOTAL	C_1	C_2	C_3	C_4	C_5	OTHER
Before	20	—	—				
During	95	9000	—				
After	3	—	—				

Type gas increase: Gradual ☐ Sharp ☒

Gas variation within zone: Steady ☒ Erratic ☐ Increasing ☐ Decreasing ☐

CARBIDE HOLE RATIO: GRAMS / READING X Min. in Peak = _____ Sensitivity: Poor ☐ Fair ☐ Good ☒

FLUO: Mineral ☐ Even ☐ Spotty ☐
None ☒ % in total sample _____
Poor ☐
Fair ☐ % in show lithology _____
Good ☐ COLOR: _____

CUT: None ☒ Streaming
Poor ☐ Slow ☐
Fair ☐ Mod ☐
Good ☐ Fast ☐
COLOR: _____

STAIN: None ☒ Poor ☐ Fair ☐ Good ☐ Live ☐ Dead ☐ Residue ☐ Even ☐ Spotty ☐ Lt. ☐ Dk. ☐

POROSITY: Poor ☐ Fair ☐ Good ☐ Kind _____

LITHOLOGY LS - WH LT-MGY DKGY BLKY-PLTY SFT-FRM ARG DNS MIC-CRPXL NSOFC

SAMPLE QUALITY GOOD

NOTIFIED _____ @ _____ **HRS. DATE:** _____

REMARKS _____

ZONE DESCRIBED BY KEITH CLEM

COLORADO PRINTING CO., GRAND JUNCTION, COLO.

DRILL STEM TEST

WELL: Mountain States Resources Inc. No 11-1 Redd DATE: June 29, 1981

TEST: No 1 FORMATION: Upper Jamoy WITNESS: C.M. KRIVANEK

REASON: 200 Units on Hot Wire, C1 through C5 on chromotograph, Oil on Pits at 5833'

INTERVAL: 5835-5900 (65') T.D. 5900'

TESTING CO.: Lynes Inc. MOAB, UTAH TESTER: MYRON WHITING

TYPE TEST: Conventional

CUSHION: None

I. FLOW: Open w/STRONG BLOW off bottom of 5 gal bucket in 30 seconds, 10 lb on hose in (5), 14# in (10), 16# in (15), Op to 1/4 CK (17) GTS in (20) 13# on hose end of flow.

F. FLOW: Op 1# on 1/4" ck GTS immediately

GAUGES

	I. FLOW OPEN 30 MIN.			F. FLOW OPEN 180 MIN.		
	GTS (20)			GTS IMMEDIATELY F. FLOW		
				32.4 MCF 5	26.3 Mcf	65 min.
				31.6 Mcf 15		
10# on hose	Mcf 5 min.	hose 1" ck	31.6 Mcf	25 min.	26.5 Mcf	75 min.
14# on hose	Mcf 10 min.	" "	30.9 Mcf	35 min.	25 Mcf	85 min.
16# on hose	Mcf 15 (17) min.	op to 1/4" ck	29.5 Mcf	45 min.	22.8 Mcf	95 min.
—	Mcf 20 (30) min.	GTS	29.5 Mcf	55 min.	Dead Mcf	105 min.
13# on hose						

RECOVERY: 440' TOTAL: 350' GBMCO and 90' OBGCM

SAMPLE CHAMBER: None (MIDDLE) cfg and _____ @ _____ psi

	~~TOP~~ CHART	TIME	BOTTOM CHART
IH:	2737		
IF:	93-116	(30)	
ISI:	810	(60)	
FF:	119-191	(180)	BHT 124°F
FSI:	222	(360)	
FH:	2699		

SAMPLES CAUGHT: Gas (X) Oil (X) Water ( ) Mud ( )

OIL GRAVITY 40° at 69°

WHERE CAUGHT: Drill pipe (X) ~~Flow Line~~ ( ) Separator ( ) ~~MFE Tool~~ ( )

RESISTIVITIES @ 68° @ 78° 2000 ppm

PIT MUD: 9.5 lb. FILTRATE: _____.

REC. MUD: _____. REC. WTR: _____.

REMARKS: Called MT. STATES Res. Inc. Cut BANK, MT. @ 830AM AND REPORTED above data Cuck

CHART PICTURE ON BACK

ROCKY MOUNTAIN GEO-ENGINEERING CO.

WELL SITE GEOLOGY — MUD LOGGING

2450 INDUSTRIAL BLVD. PHONE 243-3044 GRAND JUNCTION, COLORADO 81501

July 8, 1981

Mountain States Resources, Inc.
P.O. Box 176
Cut Bank, Montana 59427

Gentlemen:

Enclosed is the final log on the Redd Investment #11-1 well, located in Section 11, T33S, R23E of San Juan County, Utah.

We appreciated the opportunity of working with you on this project. If we can be of further assistance to you in the final evaluation of zones encountered, please do not hesitate to call on us.

We look forward to working with you again in the near future.

Sincerely,

Robert L. Wright
President

RLW/rdz

ENCL: 6 Final Mud Logs

July 13, 1981

Mountain States Resources, Inc.
P. O. Box 176
Cut Bank, Montana 59427

RE: Well No. Redd #11-1
Sec. 11, T. 33S, R. 23E,
San Juan County, Utah

Insofar as this office is concerned, approval to drill the above referred to gas well is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER - Petroleum Engineer
Office: 533-5771
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (acquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-037-30697.

Sincerely,

DIVISION OF OIL, GAS, AND MINING

Michael T. Minder
Petroleum Engineer

MTM/db
CC: OGM

FILE IN TRIPLICATE
FORM OGC-8-X

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number REDD #11-1

Operator Mountain States Resources, Inc *Address* CBM Bldg. - P. O. Box 176 Cut Bank, Montana 59427

Contractor BAYLESS DRILLING CO. *Address* Farmington, New Mexico

Location ¼ ¼ NENE Sec. 11 T. 33 South R. 23 East *County* San Juan

Water Sands

	Depth		Volume	Quality
	From	To	Flow Rate or Head	Fresh or Salty
1.				
2.	NO KNOWN WATER SANDS ENCOUNTERED DURING DRILLING OF THIS WELL.			
3.				
4.				
5.				

(Continue of reverse side if necessary)

Formation Tops

Remarks

NOTE: (a) *Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.*

(b) *If a water analysis has been made of the above reported zone, please forward a copy along with this form.*

RECE

JUL 15 19

MOUNTAIN STATES RESOURCES, INC.

OK

MOUNTAIN STATES RESOURCES, INC.

Subsidiary of Mountain States Resources, Ltd.

OIL & GAS EXPLORATION & PRODUCTION

OPERATING IN THE ROCKY MOUNTAINS

CBM Building - Box 176 - Cut Bank, Montana 59427 - (406) 873-2235

July 15, 1981

Mr. Michael T. Minder, P. Eng.
STATE OF UTAH
Division of Oil, Gas, and Mining
1588 West North Temple
Salt Lake City, Utah 84116

Dear Mr. Minder:

Re: REDD #11-1 Well
San Juan County, Utah
API #43-037-30697

This will acknwledge receipt of your letter, and we thank you very much for the permit approving the drilling of the above captioned well.

Please be advised that this well was not plugged and abandoned; but, could be ranked as a potential discovery. Production casing has been set, and a completion program will be commenced in the lower/upper Ismay.

The well tested several hundred feet of green oil and no water, on Drill Stem Test interval 5835' to 5900'. When the well has been completed, the appropriate forms will be forthcoming.

We enclose herewith your form "Report of Water Encountered During Drilling", as regards this well.

Yours very truly,

MOUNTAIN STATES RESOURCES, INC.

J. V. Montalban - President

jvm/cbm
Enc:

Form OGC-1b

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

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

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL [XX] GAS WELL [ ] OTHER

2. NAME OF OPERATOR: MOUNTAIN STATES RESOURCES, INC.

3. ADDRESS OF OPERATOR: CBM Bldg. - Box 176 - Cut Bank, Montana 59427

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 820' FNL, 780' FEL (NENE) Sec. 11 - T33S -- R23E

5. LEASE DESIGNATION AND SERIAL NO.: FEE

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: DNA

7. UNIT AGREEMENT NAME: DNA

8. FARM OR LEASE NAME: Redd Investment Corp.

9. WELL NO.: Redd #11-1

10. FIELD AND POOL, OR WILDCAT: Wildcat (Vega Prospect)

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: NENE Sec. 11-T33S-R23E

14. PERMIT NO.: 43-037-30697

15. ELEVATIONS (Show whether DF, RT, GR, etc.): Ground 7037 KB 7050

12. COUNTY OR PARISH: San Juan

13. STATE: Utah

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other) Production Casing Set			[ ]
(Other)			[ ]	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Drilled well to total depth of 6280', in Desert Creek. Ran and cemented 4½" J55, 10.5# Range 3 LTC, production casing. Set @ 6280' and cemented with 250 sax 50/50 POZ Mix cement and 10% salt. Ran 4½" Float Guide Shoe. Cementing completed July 2, 1981.

Will complete well when completion tools become available.

Log of Well Form (OGCC-3) will be filed when well is completed.

18. I hereby certify that the foregoing is true and correct

SIGNED J.V. Montalban TITLE Mgr. of Operations DATE July 31, 1981

J.V. Montalban

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

February 3, 1982

Mountain States Reosurces, Inc.
CBM Building Box 176
Cut Bank, Montana 59427

Re: Well No. Redd #11-1
Sec. 11, T. 33S, R. 23E
San Juan County, Utah

Well No. Nelson #6-11
Sec. 6, T. 33S, R. 24E
San Juan County, Utah

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned wells is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

Cari Furse
Clerk Typist

STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

April 5, 1982

Mountain States Resources, Inc.
CBM Building, Box 176
Cut Bank, Montana 59427

Re: Well No. Redd #11-1
Sec. 11, T. 33S, R. 23E.
San Juan County, Utah

Well No. Nelson #6-11
Sec. 6, T. 33S, R. 24E.
San Juan County, Utah

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned wells is due and has not been filed with this office as required by our rules and regulations.

** If we do not hear from your office within fourteen days, this file will be turned over to the attorney at the Division of Oil, Gas and Mining for legal action.

Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

Cari Furse

Cari Furse
Clerk Typist

STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

April 23, 1982

Mountain States Resources, Inc.
CBM Building
P. O. Box 176
Cut Bank, Montana 59427

RE: Failure to comply with the General Rules and Regulations and Rules of Practice of the Division of Oil, Gas and Mining

Gentlemen:

Records maintained by the Division of Oil, Gas and Mining indicate that you have failed to respond to numerous requests for information on the Redd 11-1 and Nelson 6-11 wells located in San Juan County, Utah.

Be advised that if accurate information regarding all activities and production on the aforesaid wells is not received by May 3, 1982, I shall schedule an Order to Show Cause before the Board of Oil, Gas and Mining. Among the measures I shall request the Board to approve is a moratorium on all your future drilling applications and operations.

Perhaps up to this point you have not realized the serious possible consequences of your failure to comply with the Division's regulations. The situation is serious and unwarranted. Furthermore, it will not be allowed to persist.

It is my wish that this matter be resolved without compelling you to appear before the Board of Oil, Gas and Mining. Therefore, if I can be of any further assistance, please do not hesitate to contact me.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

Carolyn Driscoll

Carolyn Driscoll
Special Assistant Attorney General

CD/as

STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

April 30, 1982

Memo to File

From: Carolyn Driscoll

On April 30, 1982 I talked with Mrs. Montalban of Mountain States Resources, Inc. The operations manager will be in Canada for another week. Therefore, I gave them an extension of time to file the requested information.

I was informed that neither well has been completed. However, it is anticipated that they will be completed this summer.

The operator is a Canadian corporation operating out of Montana. This is their first Utah venture. They were under the impression that since they felt the information was confidential they did not have to submit any information. I think I got this misunderstanding straightened out. The operator was informed that the information has to be submitted to the Division. However, if requested, the Division will keep it confidential.

MOUNTAIN STATES RESOURCES, INC.
A Subsidiary of MSR Exploration Ltd.
OIL & GAS EXPLORATION & PRODUCTION
OPERATING IN THE ROCKY MOUNTAINS
CBM Building - Box 176 - Cut Bank, Montana 59427 - (406) 873-2235

May 10, 1982

Ms. Carolyn Driscoll
Special Assitant-Attorney General
STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining
4241 State Office Building
Salt Lake City, Utah 84114

Dear Ms. Driscoll:

Re: Redd 11-1 & Nelson #6-11 Wells
San Juan County, Utah

Pursuant to your letter of April 23, 1982, my conversation with you on April 30, and Mr. Montalban's attempt to reach you on Friday, May 7, regarding the above captioned wells, please be advised that these wells have not yet been completed.

We have, sometime ago, forwarded everything we have, on these wells, to your office.

If more information is needed, at this point, kindly advise.

Very truly yours,

MOUNTAIN STATES RESOURCES, INC.

C. B. Montalban

C. B. Montalban - Corporate Secretary

CBM/me

Form OGC-1b

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

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

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL [XX] GAS WELL [ ] OTHER

2. NAME OF OPERATOR: MOUNTAIN STATES RESOURCES, INC.

3. ADDRESS OF OPERATOR: CBM Bldg. - Box 176 - Cut Bank, Montana 59427

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 820' FNL, 780' FEL (NENE) Sec. 11 - T33S - R23E

5. LEASE DESIGNATION AND SERIAL NO.: FEE

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: DNA

7. UNIT AGREEMENT NAME: DNA

8. FARM OR LEASE NAME: Redd Investment Corp.

9. WELL NO.: Redd #11-1

10. FIELD AND POOL, OR WILDCAT: Wildcat (Vega Prospect)

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: NENE Sec. 11-T33S-R23E

14. PERMIT NO.: 43-037-30697

15. ELEVATIONS (Show whether DF, RT, GR, etc.): Ground 7037 KB 7050

12. COUNTY OR PARISH: San Juan

13. STATE: Utah

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other) Proposed Completion Report			
(Other)			[ ]				

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Well has not been completed to date. Plan to move on completion tools in June, 1982. Log of Well Form OGCC-3 will be filed as soon as well is completed. Attempted completion will be made in Upper Ismay (5840 to 5900); Lower Ismay (5970 - 80); and Desert Creek (6135 to 6150), and AKAH (6240 - 60).

18. I hereby certify that the foregoing is true and correct

SIGNED J. V. Moncaliban TITLE Mgr. of Operations DATE May 25, 1982

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

MOUNTAIN STATES RESOURCES, INC.
A Subsidiary of MSR Exploration Ltd.
OIL & GAS EXPLORATION & PRODUCTION
OPERATING IN THE ROCKY MOUNTAINS
CBM Building - Box 176 - Cut Bank, Montana 59427 - (406) 873-2235

May 28, 1982

RECEIVED
JUN 02 1982
DIVISION OF
OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
Division of Oil, Gas and Mining
1588 West North Temple
Salt Lake City, Utah 84116

Attention: Mr. Ron Firth - P. Eng.

Gentlemen:

MSR/MGE REDD #11-1 WELL
NENE Section 11 - T33S - R23E
San Juan County, Utah

We enclose herewith the following, pertaining to the above captioned well:

(1) Sundry Notice, in triplicate, dated July 31, 1981, with detailed Daily Drilling Reports attached.

(2) Sundry Notice, in triplicate, dated May 25, 1982.

(3) Final Report from Rocky Mountain Geo-Engineering, covering wellsite mud logging, including colored Lithologic Log from 4000' to total depth 6280', showing gas kicks as picked up by mud logging unit.

(4) Geological Report, by consulting Geologist, Connie M. Krivanek, including (in rear pouch) Oil & Gas Analyses, Gearhart Dual Induction Log, Compensated Density Neutron Log, Compilation Log, and Lithologic Log.

You will note that this well has not yet been completed. We expect to be able to move completion tools on the location next month. Detailed Completion Report will be filed at that time.

Please feel free to call us if any further information is needed.

Yours very truly,
MOUNTAIN STATES RESOURCES, INC.

J. V. Montalban - Manager of Operations

JVM/cbm
Encs:

STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

March 12, 1983

Mountain States Resources, Inc.
CBM Bldg, Box 176
Cut Bank, Montana 59427

Re: Well No. Redd # 11-1
Sec. 11, T. 33S, R. 23E.
San Juan County, Utah

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

We will be happy to acknowledge receipt of response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgement should avoid unnecessary mailing of a firm second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

DIVISION OF OIL, GAS AND MINING

Cari Furse

Cari Furse
Well Records Specialist

CF/cf
Enclosure

Form OGC-3

STATE [redacted]UTAH
DEPARTMENT OF N[redacted]URAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN DUPLICATE*
(See other ins[redacted]ons
on reverse s[redacted]

56 64 01

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] DRY [ ] Other

b. TYPE OF COMPLETION: NEW WELL [X] WORK OVER [ ] DEEP-EN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] Other

RECEIVED
APR 19 1983
DIVISION OF OIL, GAS & MINING

2. NAME OF OPERATOR: Mountain States Resources, Inc.

3. ADDRESS OF OPERATOR: CBM Bldg. - P.O. Box 176 - Cut Bank, Mt. 59427

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface: 820 FNL 780FEL NENE
At top prod. interval reported below: as above
At total depth: as above

5. LEASE DESIGNATION AND SERIAL NO.: Fee
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: DNA
7. UNIT AGREEMENT NAME: DNA
8. FARM OR LEASE NAME: Redd Invest. Corp.
9. WELL NO.: 11-1
10. FIELD AND POOL, OR WILDCAT: Wildcat(Vega Prospect)
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 11, T33, R23E

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
43037-30697	July 10,1981	San Juan	Utah

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
6-15-81	6-30-81		Gr: 7037' - 7050KB	

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
6280			→	surface to 6280	Rotary

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
5936 - 5946 35 mcfd - gas
5542 - 5564 10mcf - swabbed 5 bbls oil

25. WAS DIRECTIONAL SURVEY MADE: Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN: Dual Induction Laterolog - CNL

27. WAS WELL CORED: No

28. CASING RECORD (*Report all strings set in well*)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24	405 KB	12¼	200 sx 50/50 Poz	Good Returns
				Howcolite w/10%NaCl$_2$	
4 1/2	10.5	6280KB	7 7/8	250sx 50/50 Poz 10% NaCl$_2$	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
None				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8	6000	None

31. PERFORATION RECORD (*Interval, size and number*)
6222 - 6230 2spf
5936 - 5946 2spf 1 9/16" HSC
5826 - 5862 2spf 1 9/16" HSC
6136 - 6148 2spf 3 1/8" HSC
5542 - 5548 2spf 1 9/16" HSC

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6222 - 6230	500 gal 28% HCl
5936 - 5946	1500 gal 28% HCl
5826 - 5862	1750 gal 28% HCL
5458 - 5488	2000 gal 28% HCL

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
None yet	Willbe put on pump.	shut in

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
			5 bbls oil	per day based	on swab tests	42 swabbed sample

34. DISPOSITION OF GAS (*Sold, used for fuel, vented, etc.*) —
TEST WITNESSED BY: J.V. Montalban

35. LIST OF ATTACHMENTS: sample tops

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

SIGNED J.V. Montalban - P. Eng. TITLE Mgr. of Operations DATE April 10, 1983

*(See Instructions and Spaces for Additional Data on Reverse Side)

MOUNTAIN STATES RESOURCES, INC.
A Subsidiary of MSR Exploration Ltd.
OIL & GAS EXPLORATION & PRODUCTION
OPERATING IN THE ROCKY MOUNTAINS
CBM Building - Box 176 - Cut Bank, Montana 59427 - (406) 873-2235

November 25, 1983

Ms. Cari Furse
Well Records Specialist
DIVISION OF OIL, GAS AND MINING
STATE OF UTAH
4241 State Office Building
Salt Lake City, Utah 84114

RE: Well No. Redd #11-1
Sec. 11: T33S - R23E
San Juan County, Utah

Dear Ms. Furse:

We enclose herewith your Form DOGC-4, "Report of Operations and Well Status Report", covering the above captioned well for period of June through December, 1983.

You will note that after testing and pumping the well for several months, we have now been compelled to suspend operations as a non-commercial producer, with abandonment to follow next summer.

Trusting this meets with your approval, I remain

Yours very truly,

MOUNTAIN STATES RESOURCES, INC.

J. V. Montalban - Mgr. of Operations

JVM/cbm
Enc: (Form DOGC-4)

cc: Mr. J. M. Hornbeck, Exp. Geologist
WEXPRO COMPANY
P. O. Box 2329
Farmington, New Mexico 87401

cc: Mr. R. G. Myers, Mgr. - Production & Drilling
MOUNTAIN FUEL SUPPLY CO.
WEXPRO COMPANY
1560 Beneficial Life Tower
Salt Lake City, Utah 84111

Form DOGC-4

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS CONSERVATION
4241 STATE OFFICE BUILDING
SALT LAKE CITY, UTAH 84114
533-5771

State Lease No.
Federal Lease No.
Indian Lease No.
Fee & Pat.

Redd #11-1

REPORT OF OPERATIONS AND WELL STATUS REPORT

STATE UTAH COUNTY SAN JUAN FIELD/LEASE VEGA PROSPECT

The following is a correct report of operations and production (including drilling and producing wells) for the month of: June through December 31, 19 83.

Agent's Address: Reno N. Roncco
1917 Rolling Hills Rd.
Cortez, Colorado 81321
Phone No. (303) 565-6389

Company MOUNTAIN STATES RESOURCES, INC.
Signed
Title J. V. Monaghan - Mgr. of Operations

Sec. and ¼ of ¼	Twp.	Range	Well No.	Days Produced	Barrels of Oil	Gravity	Cu. Ft. of Gas (In thousands)	Gallons of Gasoline Recovered	Barrels of Water (if none, so state)	API NUMBER/REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
Sec. 11	33S	23E	Redd 11-1	20	27.2	40°	-0-	-0-	65	API#43-03730697 Placed on pump during past six months, produced well 2 days per month pumping approximately 5 Bbls. per month, along with water. Pumping unit, tubing and rods were removed in November/83 and well will be suspended prior to abandonment in summer '84.

GAS: (MCF)
Sold -0-
Flared/Vented -0-
Used On/Off Lease -0-

OIL or CONDENSATE: (To be reported in Barrels)
On hand at beginning of month -0-
Produced during month (6 mos) 27.2
Sold during month -0-
Unavoidably lost -0-
Reason:
On hand at end of ~~month~~ period. 27.2

DRILLING/PRODUCING WELLS: This report must be filed on or before the sixteenth day of the succeeding month following production for each well. Where a well is temporarily shut-in, a negative report must be filed. *THIS REPORT MUST BE FILED IN DUPLICATE.*

Note: The API number must be listed on each well.

Form OGC-2

Bond # 5056108

State of Utah
Department of Natural Resources
Division of Oil Gas and Mining

BOND

Know all men by these presents,

That
We: Mountain States Resources, Inc. / a Montana Corporation, Box 176, Cut Bank
County of Glacier in the State of Montana
as Principal,
and Hartford Accident and Indemnity Company of Hartford, Connecticut
as sureaty, authorized to do business in this State, are held and firmly bound unto the State in the penal sum as indicated, for the use and benefit of the Division of Oil, Gas and Mining, lawful money of the United States, for which payment, well and truly to be made to the State of Utah, we bind ourselves, and each of us,and each of our heirs, executors, administrators or successors, and assigns jointly and severally, firmly by these presents.

The condition of this obligation is that whereas the above bounden principal proposes to drill a well or wells for oil, gas or stratigraphic purposes in and upon the following described land situated in the State of Utah, to-wit:

Statewide fee acerage

Now, therefore, if the above bounden principal shall comply with all of the provisions of the laws of this State, and the rules, regulations and orders of the Division of Oil, Gas and Mining of the State, all notices and records required by said office, including, but not limited to the proper plugging of said well or wells, and filing with said Division of the State, then this obligation is void; otherwise, the same shall be and remain in full force and effect.

Penal sum of Fifty Thousand Dollars********** ($50,000.00) / to the State of Utah

Witness our hands and seals, this 20 day of December, 1983.

Principal

Witness our hands and seals, this 20 day of December, 1983

Attorney-in-Fact

Surety

RECEIVED
DEC 21 1983

Approved as to form and execution:

ATTORNEY GENERAL

By: _____
Date _____

Countersigned:
Dye, Tavary & Judge, Inc.
By:
Montana Resident Agent

MOUNTAIN STATES RESOURCES, INC.
Operations Office - CBM Building
P. O. Box 176 • Cut Bank, Montana 59427
Phone (406) 873-2235

MEMO-LETTER

TO Mr. John Baza
State of Utah
Division of Oil, Gas & Mining

DATE June 13, 1984
SUBJECT P & A - Three wells in San Juan County, Utah

Dear Mr. Baza:

Attached are three sundry notices of intent to plug and abandon three wells in San Juan County, Utah. If you have any questions or comments, please call me at (303) 565-1190 in Cortez, Colorado. Also, please send one approved copy of each sundry notice to Mountain States Resources Inc. - P.O. Box 1228 - Cortez, Colorado 81321. Thank you.

Sincerely,

Reno N. Roncco

Reno N. Roncco
Pet. Eng. & Area Supt.

Form OGC-1b

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

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

5. LEASE DESIGNATION AND SERIAL NO.: FEE

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: D/N/A

7. UNIT AGREEMENT NAME: D/N/A

8. FARM OR LEASE NAME: Redd Investment

9. WELL NO.: 11-1

10. FIELD AND POOL, OR WILDCAT: Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 11, T33S, R23E, S.L.M

12. COUNTY OR PARISH: San Juan

13. STATE: Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL [X] GAS WELL [ ] OTHER

2. NAME OF OPERATOR: MOUNTAIN STATES RESOURCES, INC.

3. ADDRESS OF OPERATOR: CBM Bldg. - P.O. Box 1995 - Cut Bank, Montana 59427

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface
NE¼ NE¼ Sec. 11
780' FEL and 820' FNL

RECEIVED
JUN 15 1984
DIVISION OF OIL, GAS & MINING

14. PERMIT NO.: 43-037-30697

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 7037 GL

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[X]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other)			[ ]
(Other)			[ ]	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

MOUNTAIN STATES RESOURCES, INC. proposes to plug and abandon this well because commercial production has not been attained. All work will be done in accordance to UOGCC regulations. The proposed procedure is as follows:

1. Set 4½" CIBP at 5410' KB.
2. Spear 4½" casing and remove slips.
3. Run free point survey to determine free point of 4½" casing.
4. Run string shot and back off 4½" casing at free point.
5. TOOH and lay down 4½" casing.
6. RIH with 2 3/8" tubing and spot 75 sx Class B cement across 4½" casing stub.
7. Fill hole with 9.0 ppg fresh water gel mud to 2296' KB (bottom of Wingate)
8. Spot 25 sx Class B cement at 2296' KB.
9. Fill hole with 9.0 ppg fresh water gel mud to bottom of 8 5/8" casing at 400' KB.
10. Spot 25 sx Class B cement across bottom of 8 5/8" casing at 400' KB.
11. Remove casing head and spot 10 sx Class B cement at surface.
12. Erect dry hole marker and clean up location.

This work will commence as soon as regulatory approval is received.

18. I hereby certify that the foregoing is true and correct

SIGNED Reno N. Roncco TITLE Area Superintendent DATE June 13, 1984
Reno N. Roncco, Pet Eng

(This space for Federal or State office use)

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 6/19/84
BY: John R. Baza

APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

MOUNTAIN STATES RESOURCES, INC.
A Subsidiary of MSR Exploration Ltd.
OIL & GAS EXPLORATION & PRODUCTION
OPERATING IN THE ROCKY MOUNTAINS
CBM Building - Box 1995 - Cut Bank, Montana 59427-1995 - (406) 873-2235

July 3, 1984

Ms. Carl Furse
Wells Records Specialist
DIVISION OF OIL GAS & MINING
STATE OF UTAH
4241 State Office Building
Salt Lake City, Utah 84114

RE: Well No. Redd #11-1
Sec.11: T33S - R23E
San Jaun County, Utah

Dear Ms. Furse:

We enclose herewith your Form DOGC-4, "Report of Operations and Well Status Report", covering the above captioned well for period of January through June 30, 1984.

You will note no production during these months, we have suspended operations as a non-commercial producer, and will abandon the well this summer.

Trusting this meets with your approval, I remain

Yours very truly,

MOUNTAIN STATES RESOURCES, INC.

J.V.Montalban - Mgr. of Operations

JVM/ea
Enc: (Form DOGC-4)
cc: Mr. J.M. Hornbeck, Exp.Geologist
WEXPRO COMPANY
P.O. Box 2329
Farmington, New Mexico 87401

cc: Mr. R.G. Myers, Mgr. - Production & Drilling
MOUNTAIN FUEL SUPPLY CO.
WEXPRO COMPANY
1560 Beneficial Life Tpwer
Salt Lake City, Utah 84111

MOUNTAIN STATES RESOURCES, INC.
A Subsidiary of MSR Exploration Ltd.
OIL & GAS EXPLORATION & PRODUCTION
OPERATING IN THE ROCKY MOUNTAINS
CBM Building - Box 1995 - Cut Bank, Montana 59427-1995 - (406) 873-2235

October 4, 1984

RECEIVED
OCT 09 1984
DIVISION OF OIL
GAS & MINING

Mr. Carl Furse
Well Records Specialist
DIVISION OF OIL, GAS & MINING
STATE OF UTAH
4241 State Office Building
Salt Lake City, Utah 84114

Dear Mr. Furse:

RE: Redd #11-1
Sec. 11 - T33S - R23E
San Juan County, Utah

We enclose herewith your Form DOGC-4 "Report of Operations and Well Status Report" pertaining to the above captioned well for the quarter July - August - September 1984, in triplicate. Kindly stamp one copy "Received" and return for our files.

The pumping unit, tubing and rods have been removed from the well - and it is shut-in pending abandonment.

Yours very truly,

MOUNTAIN STATES RESOURCES, INC.

C. B. Montalban

C. B. Montalban - Secretary

CBM/me
Encs.

Form DOGC-4

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS CONSERVATION
4241 STATE OFFICE BUILDING
SALT LAKE CITY, UTAH 84114
533-5771

State Lease No.
Federal Lease No.
Indian Lease No.
Fee & Pat.

REDD #11-1

REPORT OF OPERATIONS AND WELL STATUS REPORT

STATE UTAH COUNTY SAN JUAN FIELD/LEASE VEGA PROSPECT

The following is a correct report of operations and production (including drilling and producing wells) for the month of: July - August - September, 1984.

Agent's Address Reno N. Roncco
1917 Rolling Hills Rd.
Cortez, Colorado 81321
Phone No. (303) 565-1190

Company MOUNTAIN STATES RESOURCES, INC.
Signed
Title J. V. Montalban - Mgr. of Operations/

Sec. and ¼ of ¼	Twp.	Range	Well No.	Days Produced	Barrels of Oil	Gravity	Cu. Ft. of Gas (In thousands)	Gallons of Gasoline Recovered	Barrels of Water (if none, so state)	API NUMBER/REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
Sec. 11	33S	23E	Redd 11-1	0	0	0	0	0	0	API#43-03730697

RECEIVED
OCT 09 1984
DIVISION OF OIL GAS & MINING

Pumping Unit, tubing and rods removed in November 1983 - well suspended and shut-in pending abandonment.

GAS: (MCF)
Sold -0-
Flared/Vented -0-
Used On/Off Lease -0-

OIL or CONDENSATE: (To be reported in Barrels)
On hand at beginning of month 27.2
Produced during month -0-
Sold during month -0-
Unavoidably lost -0-
Reason: -0-
On hand at end of ~~month~~ period. 27.2

DRILLING/PRODUCING WELLS: This report must be filed on or before the sixteenth day of the succeeding month following production for each well. Where a well is temporarily shut-in, a negative report must be filed. *THIS REPORT MUST BE FILED IN DUPLICATE.*

Note: The API number must be listed on each well.

STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

May 6, 1985

Mountain States Resources, Inc.
CBM Building
PO Box 176
Cut Bank, Montana 59427

Gentlemen:

Re: Well No. Redd 11-1 - Sec. 11, T. 33S., R. 23E., San Juan County, Utah - API #43-037-30697

According to information received by this office, the above listed well is plugged and abandoned. This office has not received sundry notices of intention or subsequent abandonment on this well.

Please complete and return the enclosed Form OGC-1b, "Sundry Notices and Reports on Wells" as soon as possible but not later than May 20, 1985.

Thank you for your prompt attention to this matter.

Sincerely,

Pam Kenna

Pam Kenna
Well Records Specialist

Enclosure
cc: Dianne R. Nielson
Ronald J. Firth
John R. Baza
File

0170S/86

MOUNTAIN STATES RESOURCES, INC.
A Subsidiary of MSR Exploration Ltd.
OIL & GAS EXPLORATION & PRODUCTION
OPERATING IN THE ROCKY MOUNTAINS
CBM Building - Box 176 - Cut Bank, Montana 59427 - (406) 873-2235

June 10, 1985

Ms. Pam Kenna
State of Utah
Division of Oil, Gas and Mining
355 W. North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Dear Ms. Kenna:

Reference your letter dated May 6, 1985 regarding our Well No. Redd 11-1, Section 11, T33S, R23E, San Juan County, Utah (API #43-037-30697). This well has not been plugged and abandoned and it is currently shut-in.

Attached are copies of a memo-letter and Form OGC-1b mailed to Mr. John Baza on June 13, 1984. I have not received an approved copy of the Form OGC-1b requesting approval to commence plug and abandon operations.

Please advise if the Form OGC-1b has been misplaced so that we can complete another.

Sincerely,

Reno N. Roncco

Reno N. Roncco
Petroleum Engineer

Form OGC-1b

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

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

3

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

RECEIVED
JUN 14 1985
DIVISION OF OIL
GAS & MINING

1. OIL WELL [X] GAS WELL [ ] OTHER

2. NAME OF OPERATOR
MOUNTAIN STATES RESOURCES, INC.

3. ADDRESS OF OPERATOR
CBM Bldg. - P.O. Box 1995 - Cut Bank, Montana 59427

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface
NE¼ NE¼ Sec. 11
780' FEL and 820' FNL

5. LEASE DESIGNATION AND SERIAL NO.
FEE

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
D/N/A

7. UNIT AGREEMENT NAME
D/N/A

8. FARM OR LEASE NAME
Redd Investment

9. WELL NO.
11-1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 11, T33S, R23E, S.L.M.

14. PERMIT NO.
43-037-30697

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
7037 GL

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

16. Check Appropnate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[X]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]				
(Other)			[ ]	(Other)			

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

MOUNTAIN STATES RESOURCES, INC. proposes to plug and abandon this well because commercial production has not been attained. All work will be done in accordance to UOGCC regulations. The proposed procedure is as follows:

1. Set 4½" CIBP at 5410' KB.
2. Spear 4½" casing and remove slips.
3. Run free point survey to determine free point of 4½" casing.
4. Run string shot and back off 4½" casing at free point.
5. TOOH and lay down 4½" casing.
6. RIH with 2 3/8" tubing and spot 75 sx Class B cement across 4½" casing stub.
7. Fill hole with 9.0 ppg fresh water gel mud to 2296' KB (bottom of Wingate
8. Spot 25 sx Class B cement at 2296' KB.
9. Fill hole with 9.0 ppg fresh water gel mud to bottom of 8 5/8" casing at 400' KB.
10. Spot 25 sx Class B cement across bottom of 8 5/8" casing at 400' KB.
11. Remove casing head and spot 10 sx Class B cement at surface.
12. Erect dry hole marker and clean up location.

This work will commence as soon as regulatory approval is received.

18. I hereby certify that the foregoing is true and correct

SIGNED Reno N. Roncco TITLE Area Superintendent DATE June 13, 1984
Reno N. Roncco, Pet. Eng.

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 7/10/85
BY: John R. Baza

*See Instructions on Reverse Side

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
OIL AND GAS INSPECTION RECORD

OPERATOR Mountain States Resources Inc LEASE FEE

WELL NO. Redd Investment Corp 11-1 API 43 037 30697

SEC NENE 11 T. 33S R. 23E CONTRACTOR

COUNTY San Juan FIELD Wildcat

DRILLING/COMPLETION/WORKOVER:

____ APD	____ WELL SIGN	____ HOUSEKEEPING	____ BOPE
____ SAFETY	____ POLL. CONTROL	____ SURFACE USE	____ PITS
____ OPERATIONS	____ OTHER		

SHUT-IN X / TA ____ :

N WELL SIGN	N HOUSEKEEPING	Y EQUIPMENT*	Y SAFETY
N OTHER - pit not fenced			

ABANDONED:

____ MARKER	____ HOUSEKEEPING	____ REHAB.	____ OTHER

PRODUCTION:

____ WELL SIGN	____ HOUSEKEEPING	____ EQUIPMENT*	____ FACILITIES*
____ METERING*	____ POLL. CONTROL	____ PITS	____ DISPOSAL
____ SECURITY	____ SAFETY	____ OTHER	

GAS DISPOSITION:

____ VENTED/FLARED	____ SOLD	____ LEASE USE

LEGEND: Y - YES OR SATISFACTORY
N - NO OR UNSATISFACTORY
NA - NOT APPLICABLE

*FACILITIES INSPECTED: small wellhead (tubing head) - tubing sticking out with bullplug

REMARKS: location not reclaimed - NO well sign - reserve pit dry - no fence - some trash on location - land surrounding location is primarily agricultural

ACTION: letter to operator

INSPECTOR: Patrick deGruyter DATE 5 August 1985

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
OIL AND GAS INSPECTION RECORD

OPERATOR Mountain States Resources Inc LEASE FEE

WELL NO. Redd Investment Corp 11-1 API 43 037 30697

SEC. NENE 11 T. 33S R. 23E CONTRACTOR

COUNTY San Juan FIELD Wildcat

DRILLING/COMPLETION/WORKOVER:

____ APD	____ WELL SIGN	____ HOUSEKEEPING	____ BOPE
____ SAFETY	____ POLL. CONTROL	____ SURFACE USE	____ PITS
____ OPERATIONS	____ OTHER		

SHUT-IN _X_ / TA ____ :

_N_ WELL SIGN	_N_ HOUSEKEEPING	_Y_ EQUIPMENT*	_Y_ SAFETY
_N_ OTHER - pit not fenced			

ABANDONED:

____ MARKER	____ HOUSEKEEPING	____ REHAB.	____ OTHER

PRODUCTION:

____ WELL SIGN	____ HOUSEKEEPING	____ EQUIPMENT*	____ FACILITIES*
____ METERING*	____ POLL. CONTROL	____ PITS	____ DISPOSAL
____ SECURITY	____ SAFETY	____ OTHER	

GAS DISPOSITION:

____ VENTED/FLARED	____ SOLD	____ LEASE USE

LEGEND: Y - YES OR SATISFACTORY
N - NO OR UNSATISFACTORY
NA - NOT APPLICABLE

*FACILITIES INSPECTED: small wellhead (tubing head) - tubing sticking out with bullplug

REMARKS: location not reclaimed - NO well sign - reserve pit dry - no fence - some trash on location - land surrounding location is primarily agricultural

ACTION: letter to operator

INSPECTOR: Patrick A. Gruyter DATE 5 August 1985

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
~~OIL AND GAS INSPECTION RECORD~~

OPERATOR Mountain States Resources LEASE Fee
WELL NO. Redd #11-1 API 43-037-30697
NE SEC. 11 T. 33S R. 23E CONTRACTOR
COUNTY San Juan FIELD Wildcat

DRILLING/COMPLETION/WORKOVER:

___ APD	___ WELL SIGN	___ HOUSEKEEPING	___ BOPE
___ SAFETY	___ POLL. CONTROL	___ SURFACE USE	___ PITS
___ OPERATIONS	___ OTHER		

SHUT-IN ✓ / TA ___ :

N WELL SIGN	Y HOUSEKEEPING	NA EQUIPMENT*	Y SAFETY
___ OTHER			

ABANDONED:

___ MARKER	___ HOUSEKEEPING	___ REHAB.	___ OTHER

PRODUCTION:

___ WELL SIGN	___ HOUSEKEEPING	___ EQUIPMENT*	___ FACILITIES*
___ METERING*	___ POLL. CONTROL	___ PITS	___ DISPOSAL
___ SECURITY	___ SAFETY	___ OTHER	

GAS DISPOSITION:

___ VENTED/FLARED	___ SOLD	___ LEASE USE

LEGEND: Y - YES OR SATISFACTORY
N - NO OR UNSATISFACTORY
NA - NOT APPLICABLE

*FACILITIES INSPECTED: CASING w/ 2 3/8" tubing in well - shut in w/ 2" valve

REMARKS: Pit has been reclaimed 3 dead men still present; EVERYthing else - O.K. Location is surrounded by wheat field.

ACTION:

INSPECTOR: GG - CR DATE 1/7/87

THE HARTFORD

Midwestern Bond Underwriting Center
100 Park Plaza
Naperville, Illinois 60566
Telephone: (312) 369-2100

DATE: Sept 26, 1986

BOND NO. 5056108

Gentlemen:

RE: Mountain States Resources # 5056108

Please inform us regarding the number of permits covered by the captioned blanket drilling and/or lease bond.

We are not willing to accept any additional liability under the captioned bond, effective 12-20-86. Would you please confirm to us that this request has been accepted. A self addressed, stamped envelope is enclosed for your convenience.

Very truly yours,

BY: [signature]
Attorney-in-Fact

STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

October 17, 1986

The Hartford Insurance Group
Naperville Office Park
100 Park Plaza
Naperville, Illinois 60566

Attention: Mary Fox

Gentlemen:

Re: Blanket Bond #5056108 - Mountain States Resources, Inc.

In regards to your letter dated September 26, 1986, our records indicate that there are three wells that are covered under the above-referenced surety.

These wells include:

Edis Calvert #1 - Sec. 35, T. 34S, R. 25E - San Juan County
Redd #11-1 - Sec. 11, T. 33S, R. 23E - San Juan County
Morris Nelson 6-11 - Sec. 6, T. 33S, R. 24E-San Juan County

Additional liability will be limited to the above listed wells. If further information is needed regarding this surety, please feel free to contact me.

Sincerely,

Arlene Sollis

Arlene Sollis
Administrative Analyst

cc: Mountain States Resources
D. R. Nielson
R. J. Firth
John R. Baza
8989T-60

3/

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
OIL AND GAS INSPECTION RECORD

MICROFICHE

OPERATOR Mountain States Resources LEASE _____
WELL NO. Redd # 11-1 API 43-037-30697
ne ne SEC. 11 T. 33S R. 23E CONTRACTOR _____
COUNTY S/J FIELD W/C

DRILLING/COMPLETION/WORKOVER:

___ APD	___ WELL SIGN	___ HOUSEKEEPING	___ BOPE
___ SAFETY	___ POLL. CONTROL	___ SURFACE USE	___ PITS
___ OPERATIONS	___ OTHER		

SHUT-IN Y / TA ___ :

n WELL SIGN	Y HOUSEKEEPING	none EQUIPMENT*	Y SAFETY
___ OTHER			

ABANDONED:

___ MARKER	___ HOUSEKEEPING	___ REHAB.	___ OTHER

PRODUCTION:

___ WELL SIGN	___ HOUSEKEEPING	___ EQUIPMENT*	___ FACILITIES*
___ METERING*	___ POLL. CONTROL	___ PITS	___ DISPOSAL
___ SECURITY	___ SAFETY	___ OTHER	

GAS DISPOSITION:

___ VENTED/FLARED	___ SOLD	___ LEASE USE

RECEIVED
NOV 13 1989
DIVISION OF
OIL, GAS & MINING

LEGEND: Y - YES OR SATISFACTORY
N - NO OR UNSATISFACTORY
NA - NOT APPLICABLE

*FACILITIES INSPECTED: well head + wheat field

REMARKS: GOW - well set in wheat field - no access Rd
well never produced

ACTION: Should be looked @ for PtA or Puton
Production

INSPECTOR: M M DATE 11/7/89

Division of Oil, Gas and Mining

PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

[] **Well File** _____
_____
(Location) Sec___Twp___Rng___
(API No.) _____

[] **Suspense**
(Return Date) _____
(To - Initials) _____

[] **Other**
_____
_____
_____

1. Date of Phone Call: 12/20/89 Time: 9 50 AM till 10 03 AM

2. DOGM Employee (name) Glenn Goodwin (Initiated Call [X])
Talked to:

Name JOE Mcelvain (Initiated Call []) - Phone No. (406) 273-2235

of (Company/Organization) mountain states

3. Topic of Conversation: Edris Calvert #1 43-037-30992 S35 34S-25E sign + Gauge;
Redd #11-1 S-11 33S 23E 43-037-30697 sign
morris nelson #6-11 S-6-33S-24E sign

4. Highlights of Conversation: gave 30 days for signs & put Valve under Gauge on Calvert #1
He told me that Redd 11-1 & nelson 6-11 are P&A'd & was given to Land owners the Land owners wanted to Leave well heads on. He said this is on monthly reports he send's in.

MOUNTAIN STATES RESOURCES, INC.
A Subsidiary of MSR Exploration Ltd.
OIL & GAS EXPLORATION & PRODUCTION
OPERATING IN THE ROCKY MOUNTAINS
CBM Building - Box 250 - Cut Bank, Montana 59427-0250 - (406) 873-2235

December 20, 1989

State of Utah
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

RE: Annual Reports of Shut-In Wells
M.S.R. Federal 25-1X, Morris Nelson 6-11, Redd Investment 11-1,
and Edris Calvert No. 1 - San Juan County, Utah

Gentlemen:

Reference your letter of December 1, 1989 to Utah oil and gas well operators regarding annual well status reports.

Please find enclosed a Form 9 for each of the above captioned wells, reporting their status as shut-in oil or gas wells.

Trusting you will find everything in order, I remain

Yours very truly,

MOUNTAIN STATES RESOURCES, INC.

J. V. Montalban - President
Manager of Operations

JVM/rr

Enclosures

cc: BLM - Moab
BLM - SLC

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 to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

RECEIVED
JAN 12 1990
DIVISION OF OIL, GAS & MINING

1. OIL WELL [X] GAS WELL [ ] OTHER

2. NAME OF OPERATOR: MOUNTAIN STATES RESOURCES, INC.

3. ADDRESS OF OPERATOR: P.O. Box 250 - Cut Bank, Montana 59427

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface: 780' FEL & 820' FNL, Sec. 11

At proposed prod. zone:

5. LEASE DESIGNATION & SERIAL NO.: Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Redd Investment

9. WELL NO.: 11-1

10. FIELD AND POOL, OR WILDCAT: Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 11, T33S, R23E, S.L.M.

14. API NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.)	12. COUNTY	13. STATE
43-037-30697	7037' GL	San Juan	Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other)			
(Other) Annual Status Report			[X]	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			
APPROX. DATE WORK WILL START				DATE OF COMPLETION			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

* Must be accompanied by a cement verification report.

Mountain States Resources, Inc., Operator of the Redd Investment 11-1, requests approval to continue shut-in status for the well. The well is shut-in under stripper and marginal well regulations and it continues to be uneconomical to produce at current oil prices. All equipment has been removed and the location backfilled and leveled.

OIL AND GAS	
DRN	RJF
1-JRB ✓	GLH
DTS	SLS
2-TAS	
3- MICROFILM ✓	
4- FILE	

18. I hereby certify that the foregoing is true and correct

SIGNED [signature] TITLE President DATE December 20, 1989

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side

(3/89)

Mountain States Resources

Redd #11-1

Sec.11-33S-23E, San Jaun Co.

Jan. 7, 1987

API NO. 43-037-30697

Attachment II

Individual Well Summary

Well Name:	Redd #11-1
API NO.:	43-047-30697
Location:	820' FNL 780' FEL, NE/NE, Sec.11, T.33S, R.23E, San Juan County, Utah
Initial Operator:	Mountain States Resources, Inc.
Current Operator:	Mountain States Resources, Inc. P.O. Box 176 Cut Bank, Montana 59427
Lease No.:	Fee
Bond Status:	Blanket Bond # 5056108, $50,000, The Hartford Insurance Group
Current Well Status:	Shut-in Oil Well
Inspection History:	
1- 7-87	Inspected by Glenn Goodwin & Carol Revelt
Correspondence History:	
6-11-81	From Mountain States Resources, Inc.; APD for Redd #11-1, for Desert Creek test, proposed depth 6,000'
6-17-81	From Mountain States; three copies of surveyors well location plat
7- 6-81	From Mountain States; Geologic Well Report, includes: well information, drilling fluid data, bit record, formation tops, chronologic well history, penetration chart, sample description
7- 8-81	From Mountain States; Final Log on Redd #11-1, includes;drill stem tests reports, well logging reports, bit record, hole deviation, oil analysis report, gas analysis report.
7-13-81	From DOGM; APD approved July 10, 1981, if well is P&A'd contact DOGM, assigned API NO. 43-037-30697

7-15-81	From Mountain States; acknowledge APD approval letter, well not P&A'd, potential producing interval 5835' to 5900', will send completion report when well is completed. Enclosed Report of Water Encountered During Drilling, no known water sands encountered during drilling.
7-31-81	From Mountain States; Sundry Notice, drilled total depth of 6280', ran and cemented 4 1/2" production casing, set at 6280', cementing completed July 2, 1981, will complete well when completion tools availiable, will file Completion Report when well is completed. Enclosed daily drilling report for June 15, to July 2, 1981
2- 3-82	From DOGM, requesting Well Completion Report and Log
4- 5-82	From DOGM, requesting Well Completion Report and Log within 14 days or file will be turned over to DOGM attorney for legal action
4-23-82	From DOGM Attorney; if information on all activities and production not received by May 3, 1982, a Board hearing will be scheduled and request a moratorium on your future drilling applications and operations
4-30-82	From DOGM Attorney; Mountain States operations manager in Canada, time extension granted, well not completed, anticipate completion summer, 1982
5-10-82	From Mountain States; Redd #11-1 and Nelson #6-11 these wells have not been completed
5-25-82	From Mountain States; Sundry Notices, plan to move in completion tools June, 1982
5-28-82	From Mountain States; sent duplicates of Sundry Notices dated July 31, 1981 and May 25, 1982, Final Log, and Geologic Report, well not completed, will move in completion tools next month.
3-12-83	From DOGM; requesting Well Completion Report and Log

4-10-83	From Mountain States; Well Completion Report, spudded June 15, 1981, reach total depth June 30, 1981, well is shut-in, will be put on pump, production - 5 BOPD based on swab tests
11-25-83	From Mountain States; will suspend operations as non-commercial producer, with abandonment to follow next summer, 1984. Enclosed; Report of Operations and Well Status Report for June through December 1983. Produced 2 days/month making approximately 5 bbl. oil per month plus water. Pumping unit, tubing and rods removed November 1983. Production Totals: Days Produced - 20, Barrels Oil - 27.2, Gravity - 40, Barrels Water - 65.
6-13-84	From Mountain States; Sundry Notice, propose to plug and abandon, Approved June 19, 1984.
7- 3-84	From Mountain States; Enclosed Report of Operations and Well Status Report for January to June 30, 1984. No. production, suspended operations, will abandon well this summer, 1984. (Report not in file)
10- 4-84	From Mountain States; Enclosed Report of Operations and Well Status Report for July to September, 1984. No production, well is shut-in pending abandonment.
5- 6-85	From DOGM; request Sundry Notice of intention or subsequent abandonment of well
6-10-85	From Mountain States; well is currently shut-in, not plugged and abandoned, did not receive copy of approved Sundry Notice to plug and abandon well dated June 13, 1984. Sent duplicate and request approval. Approved July 10, 1985
8- 5-85	Inspection report; shut-in oil well, no well sign, reserve pit not fenced, trash on location
9-26-86	From Hartford Insurance; request number of permits covered by blanket bond #5056108, Hartford not will to accept additional liability under captioned bond effective December 20, 1986

10-17-86	From DOGM; blanket bond #5056108 covers three wells, Morris Nelson #6-11, Edris Calvert #1, and Redd #11-1, additional liability limited to above wells
1- 7-87	Inspection Report; shut-in oil well, no well sign, reserve pit has been filled, deadmen anchors not removed.

Problem Summary:

Redd #11-1 spudded June 15, 1981, reached total depth of 6280' June 30, 1981 prior to APD approval on July 10, 1981. Well has been shut-in since November 25, 1983. Received Well Completion Report April 19, 1983, 21 months after total depth was reached and after four requests and the threat of legal action. The well site has no well sign, reserve pit not fenced, and has trash on location

Recommended Action:

Mountain States letter dated November 25, 1983 state they have been compelled to suspend operations as a non-commercial producer, with abandonment to follow next summer. Mountain States sundry notice dated June 13, 1984 and resubmitted June 10, 1985 stated this well has not attained commercial production and proposed to plug and abandon. It is recommended the Redd #11-1 be properly plugged and abandoned, and the location be reclaimed.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
OIL AND GAS INSPECTION RECORD

OPERATOR Mountain States Resources Inc LEASE FEE

WELL NO. Redd Investment Corp 11-1 API 43 037 30697

SEC NENE 11 T. 33S R. 23E CONTRACTOR

COUNTY San Juan FIELD Wildcat

DRILLING/COMPLETION/WORKOVER:

____ APD	____ WELL SIGN	____ HOUSEKEEPING	____ BOPE
____ SAFETY	____ POLL. CONTROL	____ SURFACE USE	____ PITS
____ OPERATIONS	____ OTHER		

SHUT-IN X / TA ____ :

N WELL SIGN	N HOUSEKEEPING	Y EQUIPMENT*	Y SAFETY
N OTHER - pit not fenced			

ABANDONED:

____ MARKER	____ HOUSEKEEPING	____ REHAB.	____ OTHER

PRODUCTION:

____ WELL SIGN	____ HOUSEKEEPING	____ EQUIPMENT*	____ FACILITIES*
____ METERING*	____ POLL. CONTROL	____ PITS	____ DISPOSAL
____ SECURITY	____ SAFETY	____ OTHER	

GAS DISPOSITION:

____ VENTED/FLARED	____ SOLD	____ LEASE USE

LEGEND: Y - YES OR SATISFACTORY
N - NO OR UNSATISFACTORY
NA - NOT APPLICABLE

*FACILITIES INSPECTED: small wellhead (tubing head) - tubing sticking out with bullplug

REMARKS: location not reclaimed - NO well sign - reserve pit dry - no fence - some trash on location - land surrounding location is primarily agricultural

ACTION: letter to operator

INSPECTOR: Patrick A. Gruyter DATE 5 August 1985

FORM 9

STATE OF UTAH

DIVISION OF OIL, GAS AND MINING

5. Lease Designation and Serial Number: Fee

6. If Indian, Allottee or Tribe Name:

7. Unit Agreement Name:

8. Well Name and Number: Redd Invest. Corp. #11-1

9. API Well Number: 43-037-30697

10. Field and Pool, or Wildcat: Wildcat

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL [X] GAS [ ] OTHER:

2. Name of Operator: Mercury Exploration Company

3. Address and Telephone Number: P. O. Box 1970, Casper, WY 82602 307/234-1563

4. Location of Well
Footages: 820' FNL & 780' FEL
QQ, Sec.,T.,R.,M.: NE/NE Sec. 11, T. 33 S., R. 23 E.
County: San Juan
State: Utah

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

Approximate date work will start: November 22, 1999

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.)

The Redd Investment Corp #11-1 is an inactive well that Mercury Exploration Company proposes to plug and abandon. The procedure to plug this well is attached.

RECEIVED
OCT 12 1999
DIV. OF OIL, GAS & MINING

13.

Name & Signature: Ken Hendricks Title: Regional Operations Eng. Date: 10/7/99

(This space for State use only)

APPROVED

The Utah Division of Oil, Gas and Mining

Robert J. Krueger, PE, Petroleum Engineer

Date: 10-13-99

(See Instructions on Reverse Side)

COPY SENT TO OPERATOR
Date: 10-14-99
Initials: CHD

(4\94)

Plugging & Abandonment Procedure
Redd Investment Corp. #11-1
820' FNL & 780' FEL
Sec. 6 – T33S – R24E NE ¼ / SW ¼
San Juan County, Utah

1. Set Cast Iron Bridge Plug (CIBP) at 5,530'. Place 12 sacks of cement (minimum yield 1.2 cu. ft per sack) on top of CIBP.
2. RIH with tubing and tag plug. Top of plug must be no lower than 5,430'.
3. Perforate the 4-1/2" casing at 2,300'. Set packer at +/- 2,200' and attempt to circulate to surface via the 8-5/8" X 4-1/2" annulus. If circulation is posssible, pump 400 sacks of cement (minimum yield 1.2 cu ft. per sack), leaving 20 sacks (+200') inside 4-1/2" casing. This will place a cement plug outside the 4-1/2" casing from 2,300' to, at least, 1,100'.
4. Place a 15 sack plug inside the 4-1/2" casing from 455' to 355'.
5. Perforate 4-1/2" casing at 100'.
6. Place 35 total sacks of cement (minimum yield 1.2 cu ft. per sack) in the 4-1/2" casing and in the 8-5/8" X 4-1/2" annulus.
7. The wellhead will be removed and a "dry-hole" plate will be installed.

MERCURY EXPLORATION

WELL NAME:	**Redd Investment Corp. #11-1**		
LOCATION:	**820' FNL & 780' FEL**		
SEC/TWP/RNG	11	33S	23E
COUNTY, ST:	**San Juan, Utah**		
WELL TYPE:	**Oil**		
MERCURY WI:	**100%**		

	BOPD	BWPD	MCFD
IP	**5**		

SPUD DATE:	06/15/81
RIG REL:	06/30/81
COMP DATE:	
FIELD:	Wildcat
FORMATION:	Ismay
Initial Pr :	

SURFACE CASING DESIGN

8-5/8"

405' 24 #/FT

SET @	**405' KB**
CEMENT W/	200 SXS
TAILED W/	

PROD CASING DESIGN

4 1/2"

6280' 10.5 #/ft

SET @	**6280' KB**
CEMENT W/	250 SXS
CEMENT TOP @	**5123'**
DETER. BY	**CALCULATED**

PROD LINER DESIGN

NONE

SET @	
CEMENT W/	
CEMENT TOP @	
DETER. BY	

PERF. DATA:	**SPF**	**FORM.**
5936-5946'	**2**	**Ismay**
5542-5564	**2**	**Paradox**

TUBING DATA

2-3/8" ?

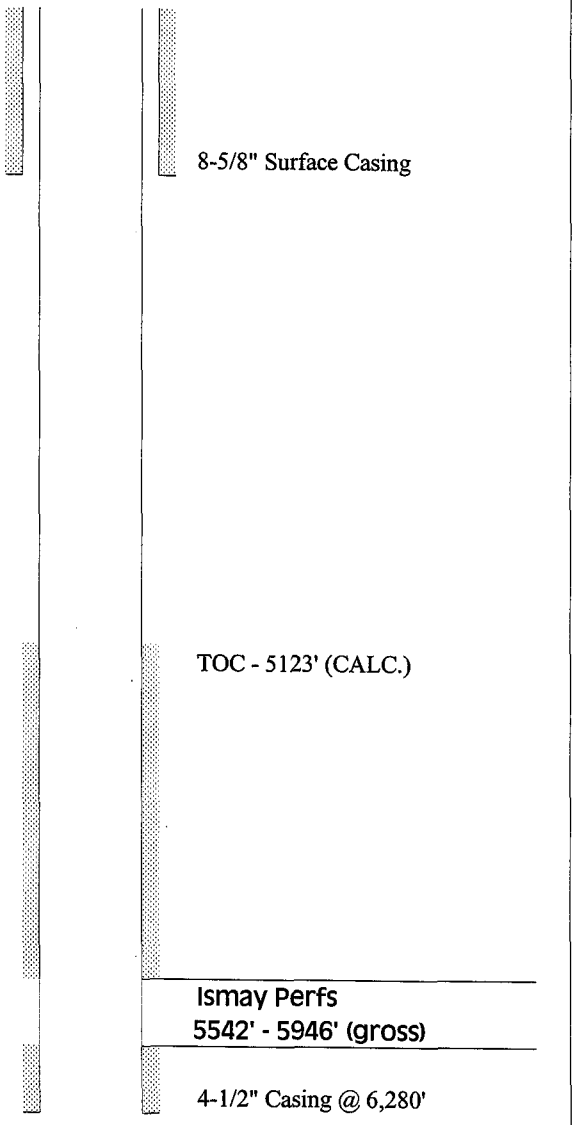
SET @		
PACKER TYPE	?	?
S.N ID / @		
TBG ANCH. @		

API # **43-037-30697**

Prepared By : Ken Hendricks

Date : September 27, 1999

REDD INVESTMENT CORP. #11-1



ACID JOB: Acidized with 28% HCL

FRAC JOB: **NONE**

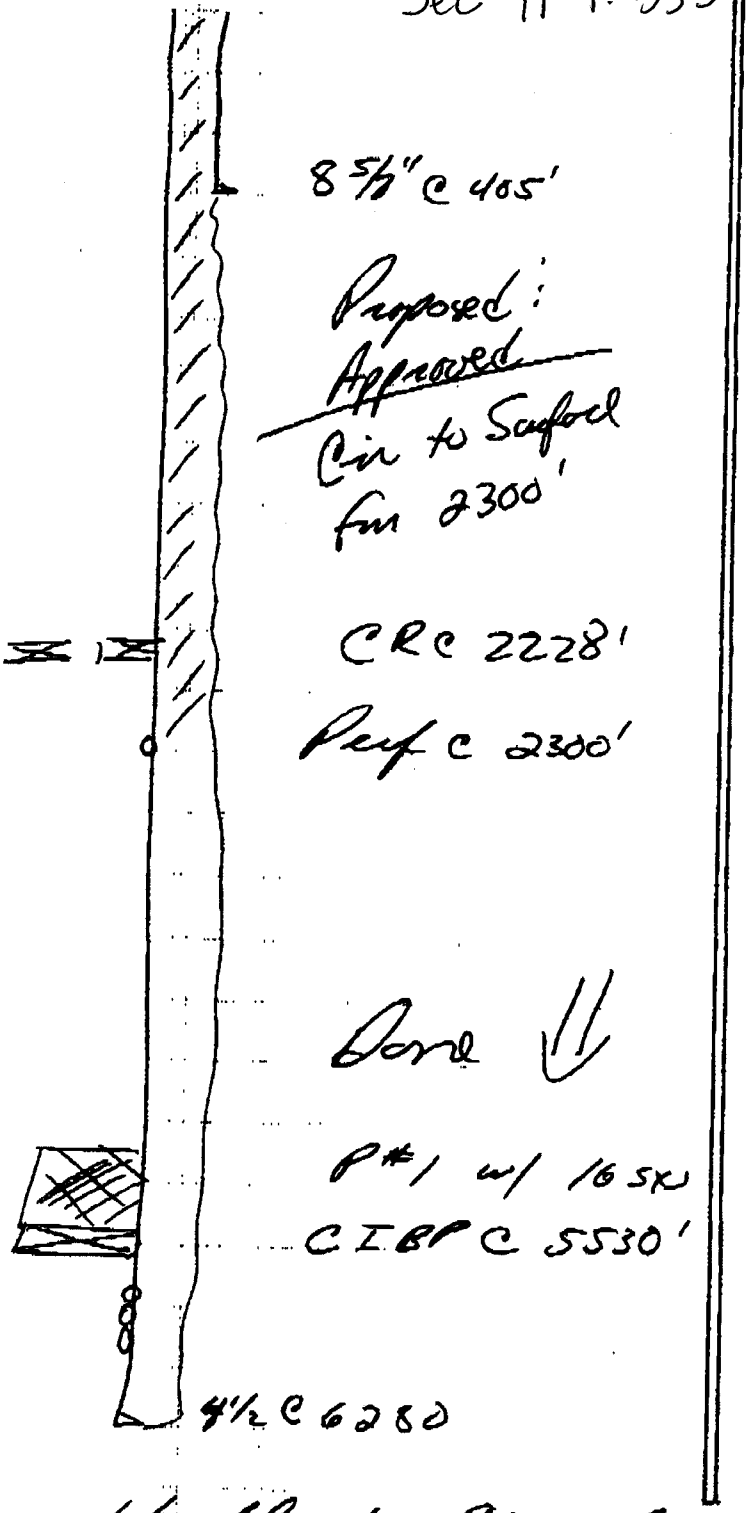
43-037-30697

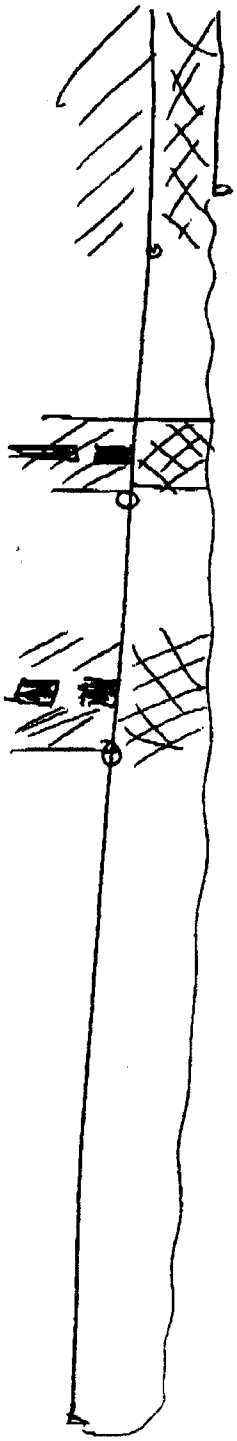
Mercury Exploration

Reed Investment #11-1

Sec 11 T. 33S R. 23E

6-22-00





Cir to Surface

Perf @ 455

Plg #4

Navajo @ 1372'

Perf @ 1422'

Plg #3 - 51 SKS

P#2 - Chinle

2300' - 2200'

w/ 100' Outside

@ 100% Excess

@ 100' Inside

@ 50' Excess

= 51 SKS

Revised Plan

Request Approval

Unable to Cir to Surface from 2300'

Casing has leak above CR

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 6-30-00

By:

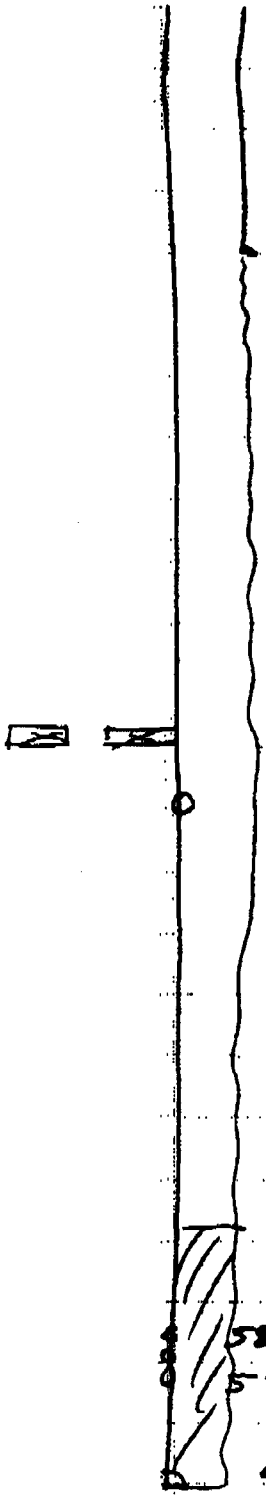
COPY SENT TO OPERATOR

Date: 6-30-00

Initials: CHD

As of.
6-22-00

Redd Inv. #11-1



8 5/8" Csg @ 405'

Entrada - 1145'
Navajo - 1372' (*)

~~Wingate - 2088'~~
Chinle - 2296

Perf @ 2300'

TOC @ 5123' (calc)

~~5518~~
5936

4½" @ 6280

Nothing out BH.
Above - 2 bpm @ 500#

CBC 2228'
Pump 2½" bpm @ 500
- 10 bbls - Csg Cir

17033

Daily Report

A - PLUS WELL SERVICE

P.O. BOX 1979 • FARMINGTON, NM 87499
505-325-2627 • FAX (505) 325-1211

Rig No 6 Date Mon. 6-19-00

Well No Budd Investment Location Sec 11, T33N, R23E Company Mercury Exploration Company
Comp. #11-1

FROM	TO	DESCRIPTION OF OPERATION
5:30	5:45	load supplies
5:45	8:45	Drive to loc.
8:45	9:00	Held safety meeting
9:00	10:45	RU rig, blow-down lines, ck pressures tbg & csg 210#
10:45	12:15	Replace PTO to Hyd pumps, blow-down tbg & csg
		ND wellhead, pick-up on tbg, lay 1 jt 2⅜ down
12:15		RU BOPs & test, RU floor & tongs
		dig out bradenhead & ck pressure, bradenhead
	2:20	head 20#, blow-down, install new valve
		SDFD no tbg

Fuel & Motor Oil _____ Water Hauled _____

Rental Equipment _____ Cement Retainers _____

Cementing _____

Wireline _____

CREW	NAME	UNIT #	MILEAGE	HOURS
Supervisor	Bill Rondell	12		
Operator	Robert Velasquez	20		8½
Helper	Bill Green pumper *141 tbg			9½
Helper	Travis Foden			8½
Helper	Brian Sheppard			6½

RCI-025040A

Date _____

17034

Daily Report

A - PLUS WELL SERVICE

P.O. BOX 1979 • FARMINGTON, NM 87499
505-325-2627 • FAX (505) 325-1211

Rig No 6 Date Tues 6-20-00

Well No Rodd Investment #1 Location Sec 11, T33S, R25E Company Mercury Exploration Co

FROM	TO	DESCRIPTION OF OPERATION
5:30	5:45	hold suppotion
5:45	8:45	Drive TO LOC.
8:45	9:00	Held safety meeting (wireline operations)
9:00		Open up well 10# blow down
		RU A-Plus W.L, Run 4½ gauge ring to 5540' bit tight spot at 4600'
	11:00	RU 4½ CIBP & set at 5530,
11:00		Pick up 4' plugging sub, 176 jts & tag 4½ CIBP
	2:00	at 5530,
2:00		attempted to load hole, pumped down tbg w/ 4 BBLS
		pressured up to 1000#, attempted to Reverse
		circulate w/ 50 BBLS, got a trickle out tbg
	3:15	attempted to pump down tbg, pressured upto 1500#
3:15		POOH w/ 24 stands, attempted to pump down tbg
		pressured upto 1500# POOH w/ ALL the tbg
	6:00	found plug on the last jt.
		Shut-in well
		SDFD
		Left Message on 6-19-00 w/ Bob Krueger
		at about 11:00 A.M
		Notified DAN Mannis - Land Field
		Operations w/ STATE of UTAH at
		11:28 AM on 6-20-00

Fuel & Motor Oil _____ Water Hauled _____

Rental Equipment _____ Cement Retainers ① 4½ CIBP Haywell

Cementing _____

Wireline ① GR to 5540 ② 4½ CIBP set at 5530'

CREW	NAME	UNIT #	MILEAGE	HOURS
Supervisor	Bill Rounds II	12		
Operator	Robert Velasquez	20		12½
Helper	Billie Iverson			12½
Helper	Travis John			12½
Helper	Brian Sheppard			12½

ACI-029/45A

Date _____

17035

Daily Report

A - PLUS WELL SERVICE

P.O. BOX 1979 • FARMINGTON, NM 87499
505-325-2627 • FAX (505) 325-1211

Rig No 6 Date Wed 6-21-00

Well No Rodd Investment #1 Location _____ Company Mesquite Exploration Co.

FROM	TO	DESCRIPTION OF OPERATION
5:30	5:45	Load supplies
5:45	8:45	DRIVE TO LOC.
8:45	9:00	Held safety meeting (Proper Lifting)
9:00		TIH w/ 7 stands, lay down 14 jts,
		Pick-up 4' plugging sub, TIH w/ 81 stands, pick up 14 jts (new)
	10:30	& tag 4½ CIBP at 5530'
10:30	11:00	Load hole w/ 50 BBLS & circulate clean
		attempted to P/T 4½ csg, test failed, pumped 2 BPM at
		600 PSI
11:00	11:30	Pump Plug #1 w/ 16 sxs B-cement 15.6# (5530-5320) TOC 5320
11:30	12:15	STAND BACK & tally 35 stands (2218')
12:15	2:00	lay down 16 jts & 4' plugging sub
2:00		TIH TOC AT 5320 w/ wireline
		Perf at 2300 w/ 3 holes 3-3⅛ HSC
	3:15	set 4½ Weatherford set C.R at 2228
3:15	4:00	Pick-up 4½ C.R stinger, TIH w/ 35 stands, sting in & out
4:00		Load 4½ csg above C.R w/ 30 BBLS circulate clean 420 BBLS
		more, attempt to P/T 4½, test failed, pumped 2 BBLS P/M
		at 600 PSI sting into C.R, attempted to get circulation
		out bradenhead, pumped 70 BBLS at 2-2½ bpm at 500 PSI
		w/ no circulation out bradenhead, 4½ csg started
	5:30	circulation at about 10 BBLS pumped below C.R, shut in 4½
		Shut-in well
		SDFD
		Increased Plug #1 by 4 SXS because
		4½ csg failed P/T

Fuel & Motor Oil _____ Water Hauled _____

Rental Equipment _____ Cement Retainers (1) 4½ Weatherford C.R (plugged)

Cementing Plug #1 16 sxs

Wireline _____

CREW	NAME	UNIT #	MILEAGE	HOURS
Supervisor	Bill Randall	12		
Operator	Robert Velasquez	20		12
Helper	Brian Sheppard			12
Helper	Travis John			12
Helper				12

RCI-029648A

Date _____

Well Report -4-
Redd No.11-1

CONNIE M. KRIVANEK
PETROLEUM GEOLOGIST

REFERENCE WELL
Mt.States Resources
Morris Nelson No.6-11
NE SW Sec 6 T33S-R24E
KB 6926'

SYSTEM	FORMATION (log tops)	DEPTH (KB 7050')	ELEVATION	DEPTH	ELEVATION
CRETACEOUS	Dakota	Surface	7037	Surface	6915
JURASSIC	Morrison	290	6760(1)hi	265	6661
	(unconformity)				
	Summerville-Curtis	1077	5973(7)hi	960	5966
	Entrada	1145	5905(49)hi	1070	5856
	Carmel	1324	5726(40)hi	1240	5686
TRIASSIC	Navajo	1372	5678(42)hi	1290	5636
	Kayenta	1800±	5250(29)hi	1705	5221
	Wingate	2028±	5022(6)hi	1910	5016
	Chinle	2296	4754(68)hi	2240	4686
	Shinarump	2820	4230(54)hi	2750	4176
PERMIAN	Cutler	2948	4102(46)hi	2870	4056
	(unconformity)				
PENNSYLVANIAN	Honaker Trail	4740±	2310(9)hi	4625	2301
	(unconformity)				
	Paradox	5458	1592(17)hi	5351	1575
	Lower-Upper Ismay	5894	1156(65)hi	5835	1091
	Lower Ismay Shale	5970	1080(72)hi	5918	1008
	Lower Ismay	6087	963(63)hi	6026	900
	Porosity				
	Gothic Shale	6094	956(74)hi	6044	882
	Desert Creek	6136	914(76)hi	6088	838
	Desert Creek	6150	900(76)hi	6102	824
	(Anhydrite)				
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	(porosity)			(sample wet.)	
	Akah	6243	807		
	TOTAL DEPTH	6280		6237	

hi = high

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: Redd Investment Corp. #11-1

2. NAME OF OPERATOR: Mercury Exploration Company

9. API NUMBER: 43-037-30697

3. ADDRESS OF OPERATOR: PO Box 1970 CITY Casper STATE WY ZIP 82602

PHONE NUMBER: (307) 234-1563

10. FIELD AND POOL, OR WILDCAT: Wildcat

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 820' FNL & 780' FEL

COUNTY: San Juan

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENE 11 33S 23E

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE TUBING	☑ PLUG AND ABANDON	☐ VENT OR FLARE
Date of work completion: 6/22/2000	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER:
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

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

The plugging and abandonment of the Redd Investment Corp. #11-1 commenced on 6/19/00, and was completed on 6/22/00. The Division of OG&M was notified on 6/19/00. The plugging details are shown below (a detailed summary is also attached):

MI & RU A-Plus Well Service

A 4-1/2" CIBP was set at 5530' with 16 sxs of cement on top of plug.

Perforated 3 squeeze holes at 2300' and a 4-1/2" retainer was set at 2228'. Could not circulate so a procedure change was approved by Dan Jarvis. Pump 57 sxs of cement, with 39 sxs outside of 4-1/2" casing and 18 sxs inside casing to cover the Chinle top.

Perforated 3 squeeze holes at 1422', and set a 4-1/2" retainer at 1372'. Pump 51 sxs of cement , with 396 sxs outside of casing and 12 sxs inside casing to cover the Navajo interval.

Perforated 3 squeeze holes at 455' and pump down braidenhead with 328 sxs cement. Lost circulation out of wellhead with 160 sxs pumped. Pressure test casing to 500 psi, held OK. Tag cement at 515'. Spot a 15 sack cement plug from 500' to 305'.

Dig out and cut-off wellhead, install P&A plate, and RD and move off.

NAME (PLEASE PRINT) Ken Hendricks TITLE Regional Operations Manager

SIGNATURE Ken Hendricks DATE 7/24/2000

(This space for State use only)

RECEIVED
JUL 26 2000
DIVISION OF
OIL, GAS AND MINING

(5/2000) (See Instructions on Reverse Side)

INSTRUCTIONS

This form shall be submitted by the operator to show the intention and/or completion of the following:

- miscellaneous work projects and actions for which other specific report forms do not exist;
- all other work and events as identified in section 11, Type of Action, or as required by the Utah Oil and Gas Conservation General Rules, including:
  - -minor deepening of an existing wellbore,
  - -plugging back a well,
  - -recompleting to a different producing formation within an existing wellbore (intent only),
  - -reperforating the current producing formation,
  - -drilling a sidetrack to repair a well,
  - -reporting monthly the status of each drilling well.

This form is not to be used for proposals to
- -drill new wells,
- -reenter previously plugged and abandoned wells,
- -significantly deepen existing wells below their current bottom-hole depth,
- -drill horizontal laterals from an existing wellbore,
- -drill hydrocarbon exploratory holes such as core samples and stratigraphic tests.

Use Form 3, Application for Permit to Drill (APD) for such proposals.

NOTICE OF INTENT - A notice of intention to do work on a well or to change plans previously approved shall be submitted in duplicate and must be received and approved by the division before the work is commenced. The operator is responsible for receipt of the notice by the division in ample time for proper consideration and action. In case of emergency, the operator may obtain verbal approval to commence work. Within five days after receiving verbal approval, the operator shall submit a Sundry Notice describing the work and acknowledging the verbal approval.

SUBSEQUENT REPORT - A subsequent report shall be submitted to the division within 30 days of the completion of the outlined work. Specific details of the work performed should be provided, including dates, well depths, placement of plugs, etc.

WELL ABANDONMENT - Proposals to abandon a well and subsequent reports of abandonment should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, and method of parting of any casing, liner, or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

In addition to any Sundry Notice forms submitted, **Form 8, Well Completion or Recompletion Report and Log** must be submitted to the division to report the results of the following operations:

- completing or plugging a new well,
- reentering a previously plugged and abandoned well,
- significantly deepening an existing wellbore below the current bottom-hole depth,
- drilling horizontal laterals from an existing wellbore,
- drilling hydrocarbon exploratory holes such as core samples and stratigraphic tests,
- recompleting to a different producing formation.

Send to:

Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

(5/2000)

A - PLUS WELL SERVICE, INC.

P.O. BOX 1979
FARMINGTON, NM 87499
505-325-2627 • FAX: 505-325-1211

June 26, 2000

Mercury Exploration Company
Redd Investment Corp. #11-1
Unit A, NE, NE Section 11, T-33-S, R-23-E
San Juan County, UT
Fee, API #43-037-30697

Plug & Abandonment Report

Cementing Summary:

Plug #1 with CIBP at 5530', spot 16 sxs (increased by 4 sxs due to casing leak) inside casing above to 5320' to isolate Ismay interval.
Plug #2 with retainer at 2228', mix 57 sxs Class B cement; squeeze 39 sxs outside 4-1/2" casing from 2300' to 2200' and leave 18 sxs inside casing to cover Chinle top.
Plug #3 with retainer at 1372', mix 51 sxs Class B cement, squeeze 39 sxs outside 4-1/2" casing from 1372' to 1272' and leave 12 sxs inside casing to cover Navajo interval.
Plug #4 with a total of 328 sxs Class B cement: first pumped down the 4-1/2" casing from 455' to surface with 160 sxs; then lost circulation out bradenhead; then pumped 80 more sxs with no circulation; then shut in casing and began pumping down bradenhead with 70 sxs and a final squeeze pressure of 500#; then shut in bradenhead and pump additional 18 sxs down casing; and finally shut in the casing and WOC
Plug #5 with 15 sxs Class B cement inside casing from 500' to 305' to isolate casing shoe.
Plug #6 with 23 sxs Class B cement pumped down the 4-1/2" casing from 40' to surface, circulate out 1 bbl good cement out bradenhead.

Plugging Summary:

Notified Utah D OG&M on 6/19/00

6-16 Travel from Monticello, Utah to Farmington, NM.

6-19 Safety Meeting. RU rig and equipment; layout relief line to pit. Open up well, blow down 20# casing and tubing pressure. Rig repair. ND wellhead. PU on tubing and LD 1 joint 2-3/8" tubing. Found no tubing in well. NU BOP and test. RU floor and tongs. Dig out bradenhead and check pressure. Bradenhead had 20#; blow down. Install new valve. Shut in well and wait on workstring from Farmington, NM. SDFD.

6-20 Safety Meeting. Open up well and blow down 10# casing pressure. RU A-Plus wireline truck and round trip 4-1/2" gauge ring to 5540', tight spot at 4600'. Set 4 - 1/2" PlugWell CIBP at 5530'. TIH with A-Plus tubing workstring. Attempt to pump down tubing, after 4 bbls, pressured up to 1000#. Pump down casing to attempt to reverse circulate, no flow out tubing. Attempt to pump down tubing again, pressured up to 1500#. TOH with 24 stands and attempt to pump down tubing; pressured up to 1500#. TOH with all tubing; found cement plug in last joint. SDFD.

6-20 Safety Meeting. TIH with 7 stands tubing and LD 14 joints. PU 4' plugging sub and TIH with 81 stands. PU 14 new joints and tag CIBP at 5530'. Load hole with 50 bbls and circulate clean. Attempt to pressure test 4-1/2" casing, leak 2 bpm at 500#.

A-PLUS WELL SERVICE, INC.
P.O. BOX 1979
FARMINGTON, NM 87499
505-325-2627 • FAX: 505-325-1211

June 26, 2000

Mercury Exploration Company
Redd Investment Corp. #11-1
Unit A, NE, NE Section 11, T-33-S, R-23-E
San Juan County, UT
Fee, API #43-037-30697

Plug & Abandonment Report

Plugging Summary Continued:

6-20: Continued: Plug #1 with CIBP at 5530', spot 16 sxs (increased by 4 sxs due to casing leak) inside casing above to 5320' to isolate Ismay interval. TOH with tubing and WOC. RIH and tag cement at 5300'. Perforate 3 HSC squeeze holes at 2300'. Set 4-1/2" PlugWell wireline retainer at 2228'. TIH with tubing and sting in and out of retainer. Load 4-1/2" casing above retainer with 30 bbls water and circulate casing clean with 20 bbls water. Attempt to pressure test, leak 2 bpm at 500#. Sting into retainer and attempt to establish circulation out bradenhead. Pumped 70 bbls at 2-2-1/2" bpm at 500# with no circulation or blow out bradenhead. Note the 4-1/2" casing started circulating after 10 bbls pumped below retainer. Shut in 4-1/2" casing and wait on orders, unable to circulate cement to surface. SI well & SDFD.

6-21 Safety Meeting. Open up well, no pressure. Procedure change approved by Dan Jarvis. Sting out of retainer and load casing with 19 bbls. Establish rate under CR into squeeze holes 2 bpm at 500#. Plug #2 with retainer at 2228', mix 57 sxs Class B cement; squeeze 39 sxs outside 4-1/2" casing from 2300' to 2200' and leave 18 sxs inside casing to cover Chinle top. TOH with tubing. Perforate 3 HSC squeeze holes at 1422'. Set 4-1/2" PlugWell wireline retainer at 1372'. TIH with tubing and sting into retainer. Load casing above retainer with 13 bbls water and attempt to pressure test; leak 1 bpm at 500#. Sting into retainer and establish rate into squeeze holes 2 bpm at 250#. Plug #3 with retainer at 1372', mix 51 sxs Class B cement, squeeze 39 sxs outside 4-1/2" casing from 1372' to 1272' and leave 12 sxs inside casing to cover Navajo interval. TOH with tubing. Perforate 3 HSC squeeze at 455'. Establish circulation out bradenhead with 15 bbls water. Plug #4 with a total of 328 sxs Class B cement: first pumped down the 4-1/2" casing from 455' to surface with 160 sxs; then lost circulation out bradenhead; then pumped 80 more sxs with no circulation; then shut in casing and began pumping down bradenhead with 70 sxs and a final squeeze pressure of 500#; then shut in bradenhead and pump additional 18 sxs down casing; and finally shut in the casing and WOC. SD.

6-22 Safety Meeting. Open up well; casing and bradenhead on vacuum. TIH with tubing to 500', found no cement in 4-1/2" casing. Pressure test casing to 500#; held OK. Pressure test bradenhead with 2 bbls water; held OK. PU 1 more joint tubing and tagged cement at 515'; LD 1 joint. Plug #5 with 15 sxs Class B cement inside casing from 500' to 305' to isolate casing shoe. TOH with tubing. RU wireline truck and perforate 3 HSC squeeze holes at 40'. Establish circulation out bradenhead. Plug #6 with 23 sxs Class B cement pumped down the 4-1/2" casing from 40' to surface, circulate out 1 bbl good cement out bradenhead. Shut in well and WOC. Partially RD equipment. Dig out and cut off wellhead; cement at surface. Install P&A plate. RD and MOL.

CANTEY & HANGER, L.L.P.
ATTORNEYS AT LAW

WHITNEY L. CARDWELL
DIRECT DIAL 817-877-2804
E-MAIL wcardwell@canteyhanger.com

801 CHERRY STREET ▪ SUITE 2100
FORT WORTH, TEXAS 76102-6821
817-877-2800 ▪ METRO 817-429-3815
FAX 817-877-2807

43-037-30697

March 13, 2001

VIA FEDERAL EXPRESS

Mr. Al McKee
Utah Division of Oil, Gas & Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Re: Mercury Exploration Company

Dear Mr. McKee:

As per our conversation yesterday, attached are the following Sundry Notices and Reports on Wells:

1. Redd Investment Corp. #11-1;

2. Morris Nelson #6-11; and

3. Edris Calvert #1.

Ken Hendricks, Regional Operations Manager of Mercury Exploration Company, submitted the above referenced reports to Bob Krueger at the Utah Division of Oil, Gas & Mining in July 2000. We need to determine the filing date of these notices because the Utah State Tax Commission is sending 2001 Annual Returns and 2001 Returns of Assessment concerning these three wells. These reports are being generated because the Tax Commission's records indicate that the wells have not been plugged and abandoned. However, all of these wells were plugged by July 6, 2000.

Thank you for your assistance. Please contact me if you have any questions.

Sincerely,

Whitney L. Cardwell

Whitney L. Cardwell

Enclosures

RECEIVED
MAR 14 2001
DIVISION OF
OIL, GAS AND MINING

cc: Dean A. Tetirick - Firm (w/o encl)
Barbara Turley - Quicksilver (w/o encl)

I:\LGL\WCARDWEL\Quicksilver\Letters\2001\utah.oil-gas.wpd

FORM 9

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

5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME:
8. WELL NAME and NUMBER: Redd Investment Corp. #11-1
9. API NUMBER: 43-037-30697
10. FIELD AND POOL, OR WILDCAT: Wildcat

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. TYPE OF WELL: OIL WELL ☑ GAS WELL ☐ OTHER
2. NAME OF OPERATOR: Mercury Exploration Company
3. ADDRESS OF OPERATOR: PO Box 1970 CITY Casper STATE WY ZIP 82602
PHONE NUMBER: (307) 234-1563
4. LOCATION OF WELL
FOOTAGES AT SURFACE: 820' FNL & 780' FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENE 11 33S 23E
COUNTY: San Juan
STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start:	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☑ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 6/22/2000	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER:
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

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

The plugging and abandonment of the Redd Investment Corp. #11-1 commenced on 6/19/00, and was completed on 6/22/00. The Division of OG&M was notified on 6/19/00. The plugging details are shown below (a detailed summary is also attached):

MI & RU A-Plus Well Service
A 4-1/2" CIBP was set at 5530' with 16 sxs of cement on top of plug.
Perforated 3 squeeze holes at 2300' and a 4-1/2" retainer was set at 2228'. Could not circulate so a procedure change was approved by Dan Jarvis. Pump 57 sxs of cement, with 39 sxs outside of 4-1/2" casing and 18 sxs inside casing to cover the Chinle top.
Perforated 3 squeeze holes at 1422', and set a 4-1/2" retainer at 1372'. Pump 51 sxs of cement, with 396 sxs outside of casing and 12 sxs inside casing to cover the Navajo interval.
Perforated 3 squeeze holes at 455' and pump down braidenhead with 328 sxs cement. Lost circulation out of wellhead with 160 sxs pumped. Pressure test casing to 500 psi, held OK. Tag cement at 515'. Spot a 15 sack cement plug from 500' to 305'.

Dig out and cut-off wellhead, install P&A plate, and RD and move off.

NAME (PLEASE PRINT): Ken Hendricks
TITLE: Regional Operations Manager
SIGNATURE:
DATE: 7/24/2000

(This space for State use only)

RECEIVED
MAR 14 2001
DIVISION OF
OIL, GAS AND MINING

(See Instructions on Reverse Side)

(5/2000)

INSTRUCTIONS

This form shall be submitted by the operator to show the intention and/or completion of the following:

- miscellaneous work projects and actions for which other specific report forms do not exist;
- all other work and events as identified in section 11, Type of Action, or as required by the Utah Oil and Gas Conservation General Rules, including:
  - -minor deepening of an existing wellbore,
  - -plugging back a well,
  - -recompleting to a different producing formation within an existing wellbore (intent only),
  - -reperforating the current producing formation,
  - -drilling a sidetrack to repair a well,
  - -reporting monthly the status of each drilling well.

This form is not to be used for proposals **to**
- -drill new wells,
- -reenter previously plugged and abandoned wells,
- -significantly deepen existing wells below their current bottom-hole depth,
- -drill horizontal laterals from an existing wellbore,
- -drill hydrocarbon exploratory holes such as core samples and stratigraphic tests.

Use Form 3, Application for Permit to Drill (APD) for such proposals.

NOTICE OF INTENT - A notice of intention to do work on a well or to change plans previously approved shall be submitted in duplicate and must be received and approved by the division before the work is commenced. The operator is responsible for receipt of the notice by the division in ample time for proper consideration and action. In case of emergency, the operator may obtain verbal approval to commence work. Within five days after receiving verbal approval, the operator shall submit a Sundry Notice describing the work and acknowledging the verbal approval.

SUBSEQUENT REPORT - A subsequent report shall be submitted to the division within 30 days of the completion of the outlined work. Specific details of the work performed should be provided, including dates, well depths, placement of plugs, etc.

WELL ABANDONMENT - Proposals to abandon a well and subsequent reports of abandonments should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, and method of parting of any casing, liner, or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

In addition to any Sundry Notice forms submitted, Form 8, Well Completion or Recompletion Report and Log must be submitted to the division to report the results **of the following operations:**
- completing or plugging a new well,
- reentering a previously plugged and abandoned well,
- significantly deepening an existing wellbore below the current bottom-hole depth,
- drilling horizontal laterals from an existing wellbore,
- drilling hydrocarbon exploratory holes such as core samples and stratigraphic tests,
- recompleting to a different producing formation.

Send to:

Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340
Fax: 801-359-3940

(5/2000)

A - PLUS WELL SERVICE, INC.
P.O. BOX 1979
FARMINGTON, NM 87499
505-325-2627 • FAX: 505-325-1211

June 26, 2000

Mercury Exploration Company
Redd Investment Corp. #11-1
Unit A, NE, NE Section 11, T-33-S, R-23-E
San Juan County, UT
Fee, API #43-037-30697

Plug & Abandonment Report

Cementing Summary:

Plug #1 with CIBP at 5530', spot 16 sxs (increased by 4 sxc due to casing leak) inside casing above to 5320' to isolate Ismay interval.
Plug #2 with retainer at 2228', mix 57 sxs Class B cement; squeeze 39 sxs outside 4-1/2" casing from 2300' to 2200' and leave 18 sxs inside casing to cover Chinle top.
Plug #3 with retainer at 1372', mix 51 sxs Class B cement, squeeze 39 sxs outside 4-1/2" casing from 1372' to 1272' and leave 12 sxs inside casing to cover Navajo interval.
Plug #4 with a total of 328 sxs Class B cement; pumped down the 4-1/2" casing from 455' to surface with 160 sxs; then lost circulation; pumped down bradenhead; then pumped 80 more sxs with no circulation; then shut in casing and began pumping down bradenhead with 70 sxs and a final squeeze pressure of 500#; then shut in bradenhead and pump additional 18 sxs down casing: and finally shut in the casing and WOC.
Plug #5 with 15 sxs Class B cement inside casing from 400' to 305' to isolate casing shoe.
Plug #6 with 23 sxs Class B cement pumped down the 4-1/2" casing from 40' to surface, circulate out 1 bbl good cement out bradenhead.

Notified Utah D OG&M on 6/19/00

Plugging Summary:

6-16 Travel from Monticello, Utah to Farmington, NM.

6-19 Safety Meeting. RU rig and equipment, layout relief line to pit. Open up well, blow down 20# casing and tubing pressure. Rig repair. ND wellhead. PU on tubing and LD 1 joint 2-3/8" tubing. Found no tubing in well. NU BOP and test. RU floor and tongs. Dig out bradenhead and check pressure. Bradenhead had 20#; blow down. Install new valve. Shut in well and wait on workstring from Farmington, NM. SDFD.

6-20 Safety Meeting. Open up well and blow down casing pressure. RU A-Plus wireline truck and round trip 4-1/2" gauge ring to 5530' tight spot at 4600'. Set 4 - 1/2" PlugWell CIBP at 5530'. TIH with A-Plus tubing workstring. Attempt to pump down tubing, after 4 bbls, pressured up to 1000#. Pump down casing to attempt to reverse circulate, no flow out tubing. Attempt to pump down tubing again, pressured up to 1500#. TOH with 24 stands and attempt to pump down tubing; pressured up to 1500#. TOH with all tubing; found cement plug in last joint. SDFD.

6-20 Safety Meeting. TIH with 7 stands tubing and LD 14 joints. PU 4' plugging sub and TIH with 81 stands. PU 14 new joints and tag CIBP at 5530'. Load hole with 50 bbls and circulate clean. Attempt to pressure test 4-1/2" casing, leak 2 bpm at 500#.

A - PLUS WELL SERVICE, INC.
P.O. BOX 1979
FARMINGTON, NM 87499
505-325-2627 • FAX: 505-325-1211

June 26, 2000

Mercury Exploration Company
Redd Investment Corp. #11-1
Unit A, NE, NE Section 11, T-33-S, R-23-E
San Juan County, UT
Fee, API #43-037-30697

Plug & Abandonment Report

Plugging Summary Continued:

6-20: Continued: Plug #1 with CIBP at 5530', spot 16 sxs (increased by 4 sxs due to casing leak) inside casing above to 5320' to isolate Ismay interval. TOH with tubing and WOC. RIH and tag cement at 5300'. Perforate 3 HSC squeeze holes at 2300'. Set 4-1/2" PlugWell wireline retainer at 2228'. TIH with tubing and sting in and out of retainer. Load 4-1/2" casing above retainer with 30 bbls water and circulate casing clean with 20 bbls water. Attempt to pressure test, leak 2 bpm at 500#. Sting into retainer and attempt to establish circulation out bradenhead. Pumped 70 bbls at 2-2-1/2" bpm at 500# with no circulation or blow out bradenhead. Note the 4-1/2" casing started circulating after 70 bbls pumped below retainer. Shut in 4-1/2" casing and wait on orders, unable to circulate cement to surface. SI well & SDFD.

6-21 Safety Meeting. Open up well; no pressure. Procedure change approved by Dan Jarvis. Sting out of retainer and load casing with 19 bbls. Establish rate under CR into squeeze holes 2 bpm at 500#. Plug #2 with retainer at 2228', mix 57 sxs Class B cement; squeeze 39 sxs outside 4-1/2" casing from 2300' to 2200' and leave 18 sxs inside casing to cover Chinle top. TOH with tubing. Perforate 3 HSC squeeze holes at 1422'. Set 4-1/2" PlugWell wireline retainer at 1372'. TIH with tubing and sting into retainer. Load casing above retainer with 13 bbls water and attempt to pressure test; leak 1 bpm at 500#. Sting into retainer and establish rate into squeeze holes 2 bpm at 500#. Plug #3 with retainer at 1372', mix 51 sxs Class B cement, squeeze 39 sxs outside 4-1/2" casing from 1372' to 1272' and leave 12 sxs inside casing to cover Shinarump interval. TOH with tubing. Perforate 3 HSC squeeze at 455'. Establish circulation out bradenhead with 10 bbls water. Plug #4 with a total of 328 sxs Class B cement first pumped down the 4-1/2" casing from 455' to surface with 160 sxs then lost circulation out bradenhead; then pumped 80 more sxs with no circulation then shut in casing and bradenhead; then pumping down bradenhead with 70 sxs and a final squeeze pressure of 500# then shut in bradenhead and pump additional 18 sxs down casing; and finally shut in casing and WOC. SD.

6-22 Safety Meeting. Open up well; casing and bradenhead on vacuum. TIH with tubing to 500', found no cement in 4-1/2" casing. Pressure test casing to 500#; held OK. Pressure test bradenhead with 2 bbls water; held OK. PU 1 more joint tubing and tagged cement at 515'; LD 1 joint. Plug #5 with 15 sxs Class B cement inside casing from 500' to 305' to isolate casing shoe. TOH with tubing. RU wireline truck and perforate 3 HSC squeeze holes at 40'. Establish circulation out bradenhead. Plug #6 with 23 sxs Class B cement pumped down the 4-1/2" casing from 40' to surface, circulate out 1 bbl good cement out bradenhead. Shut in well and WOC. Partially RD equipment. Dig out and cut off wellhead; cement at surface. Install P&A plate. RD and MOL.