



January 3, 2000

United States Department of Interior
Bureau of Land Management
Vernal District Office
ATTN: Margie Herrmann
170 South 500 East
Vernal, Utah 84078-2799

RE: South Wells Draw 6-3-9-16
SENW Section 3, T9S, R16E
Duchesne, Utah

Dear Ms. Herrmann:

Enclosed please find the Application for Permit to Drill the South Wells Draw 6-3-9-16 well, submitted in triplicate, for your review and approval.

If you have any questions or require any additional information, please contact me or Jon Holst at (303) 893-0102.

Sincerely,

Anita L. Shipman
Operations Secretary

Enc: Form 3160-3 (3 copies)

cc: State of Utah
Division of Oil, Gas & Mining
ATTN: Lisha Cordova
1594 West North Temple – Suite 1210
P. O. Box 145801
Salt Lake City, Utah 84114-5801

RECEIVED

JAN 07 2000

DIVISION OF OIL, GAS & MINING

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK		5. LEASE DESIGNATION AND SERIAL NO. U-77338	
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		7. UNIT AGREEMENT NAME	
1b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. FARM OR LEASE NAME South Wells Draw	
2. NAME OF OPERATOR Inland Production Company		9. WELL NO. 6-3-9-16	
3. ADDRESS OF OPERATOR 410 - 17th Street, Suite 700, Denver, CO 80202 Phone: (303) 893-0102		10. FIELD AND POOL OR WILDCAT Monument Butte	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At Surface SENW At proposed Prod. Zone 1876.4' FWL & 1813.3' FNL		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 3, T9S, R16E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Approximately 13 miles SW of Myton		12. County Duchesne	13. STATE UT
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 764' fel	16. NO. OF ACRES IN LEASE 80	17. NO. OF ACRES ASSIGNED TO THIS WELL 40	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT. approximately 1320'	19. PROPOSED DEPTH 6500'	20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5573' GR		22. APPROX. DATE WORK WILL START* 1st Quarter 2000	
23. PROPOSED CASING AND CEMENTING PROGRAM			
SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH
Refer to Monument Butte Field SOP's Drilling Program/Casing Design			

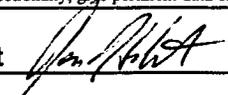
Inland Production Company proposes to drill this well in accordance with the attached exhibits.

The Conditions of Approval are also attached.

**RECEIVED
JAN 07 2000**

DIVISION OF OIL, GAS & MINING

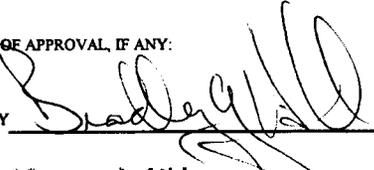
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM : If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone.
If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer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

24. SIGNED Jon Holst  TITLE Counsel DATE 1/3/00

(This space for Federal or State office use)

PERMIT NO. 43013-32137 APPROVAL DATE _____
Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY  TITLE BRADLEY G. HILL
RECLAMATION SPECIALIST III DATE 1/13/00

**Federal Approval of this
Action is Necessary**

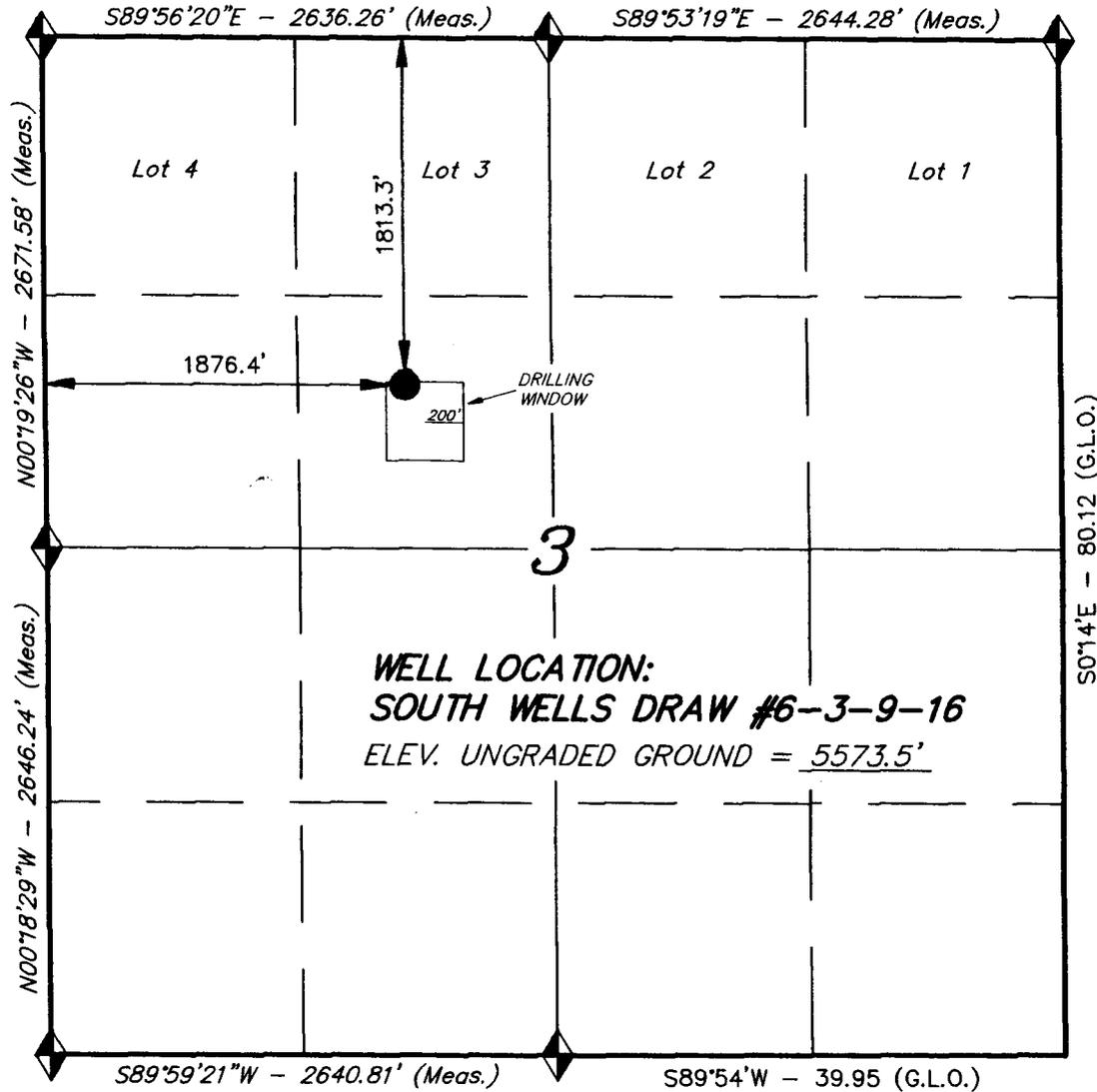
***See Instructions On Reverse Side**

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

T9S, R16E, S.L.B.&M.

INLAND PRODUCTION COMPANY

WELL LOCATION, SOUTH WELLS DRAW
#6-3-9-16, LOCATED AS SHOWN IN THE
SE 1/4 NW 1/4 OF SECTION 3, T9S, R16E,
S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS
MADE BY ME OR UNDER MY SUPERVISION AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST OF
MY KNOWLEDGE AND BELIEVE

STEWART
Sam Stewart
 REGISTERED LAND SURVEYOR
 REGISTRATION No. 144102
 STATE OF UTAH

TRI STATE LAND SURVEYING & CONSULTING

38 WEST 100 NORTH - VERNAL, UTAH 84078
(801) 781-2501

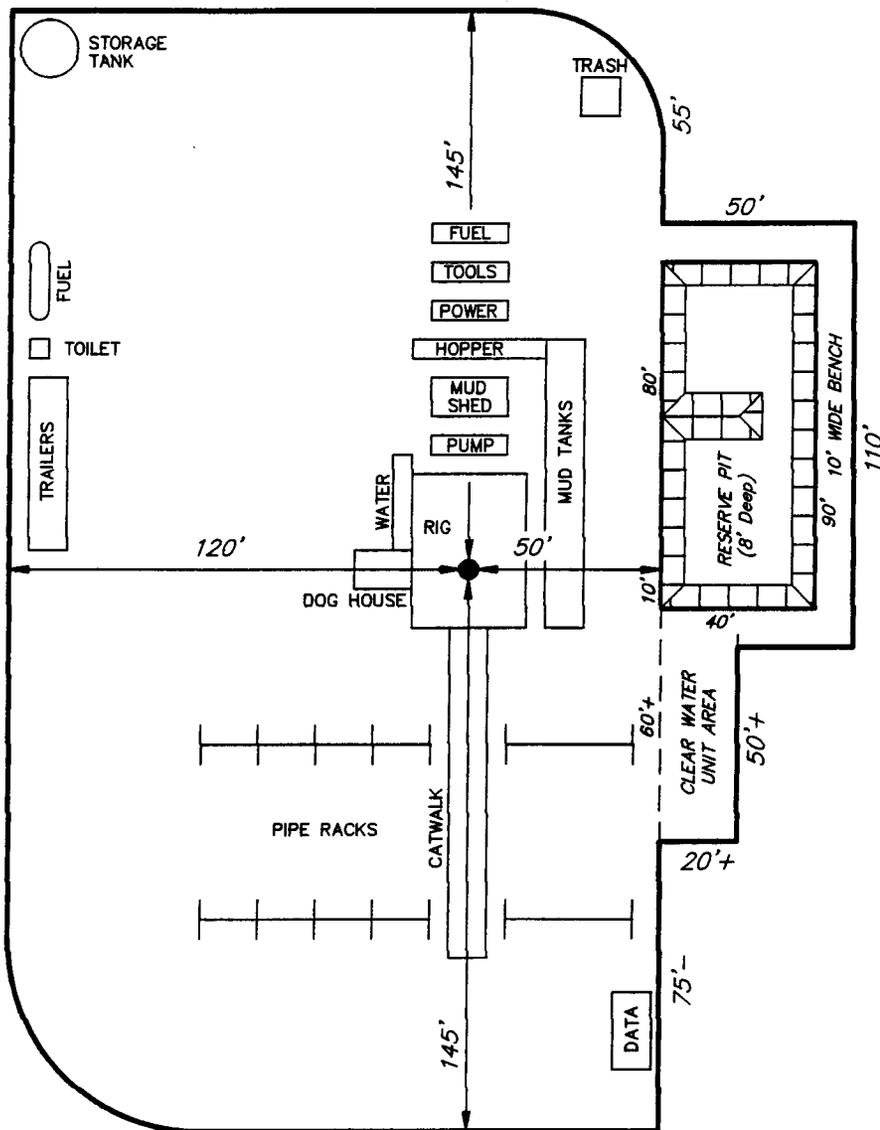
SCALE: 1" = 1000'	SURVEYED BY: G.S. D.S.
DATE: 11-14-98	WEATHER: COOL
REVISIONS:	FILE #

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)
 BASIS OF BEARINGS IS A GLOBAL POSITIONING SATELITE OBSERVATION

TYPICAL RIG LAYOUT

SOUTH WELLS DRAW #6-3-9-16



Tri State
Land Surveying, Inc.
(801) 781-2501
38 WEST 100 NORTH, VERNAL, UTAH 84078

INLAND PRODUCTION COMPANY

SOUTH WELLS DRAW
SE NW SECTION 3, T9S, R16E
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

2. **ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0 – 1750'
Green River	1750'
Wasatch	6500'

3. **ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation 1750' – 6500' – Oil

4. **PROPOSED CASING PROGRAM:**

Please refer to the Monument Butte Field SOP.

5. **MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

Please refer to the Monument Butte Field SOP. See Exhibit "F".

6. **TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

Please refer to the Monument Butte Field SOP.

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Please refer to the Monument Butte Field SOP.

8. **TESTING, LOGGING AND CORING PROGRAMS:**

Please refer to the Monument Butte Field SOP.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

The anticipated maximum bottom hole pressure is 2000 psi. It is not anticipated that abnormal temperatures will be encountered; nor that any other abnormal hazards such as H2S will be encountered in this area.

10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

Please refer to the Monument Butte Field SOP.

INLAND PRODUCTION COMPANY
SOUTH WELLS DRAW
SE ¼ SECTION 3, T9S, R16E
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. **EXISTING ROADS**

See attached Topographic Map "A"

To reach Inland Production Company well location site South Wells Draw 6-3-9-16 located in the SE ¼ NW ¼ Section 3, T9S, R16E, Duchesne County, Utah:

Proceed in a westerly direction out of Myton, Utah along Highway 40 approximately 1.6 miles to the junction of this highway and Utah State Highway 53; proceed southerly along Utah State Highway 53 approximately 1.6 miles to its junction with Sand Wash Road for approximately 5 miles, turn right just past the BLM Fence Line Road and proceed in a southwesterly direction for approximately 3.79 miles, turn left on to a dirt road for approximately .87 miles to the proposed location.

2. **PLANNED ACCESS ROAD**

See Topographic Map "B" for the location of the proposed access road.

3. **LOCATION OF EXISTING WELLS**

Refer to Exhibit "D"

4. **LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

5. **LOCATION AND TYPE OF WATER SUPPLY**

Please refer to the Monument Butte Field SOP. See Exhibit "C".

6. **SOURCE OF CONSTRUCTION MATERIALS**

Please refer to the Monument Butte Field SOP.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP. See Exhibit "E".

8. **ANCILLARY FACILITIES:**

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT:**

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills and locations of the mud tanks, reserve pit, pipe racks, trailer parking, spoil dirt stockpile(s) and surface material stockpile(s). Refer to Exhibits "E" and "E-1".

10. **PLANS FOR RESTORATION OF SURFACE:**

Please refer to the Monument Butte Field SOP.

11. **SURFACE OWNERSHIP:** Bureau of Land Management

12. **OTHER ADDITIONAL INFORMATION:**

The Archaeological Cultural Resource Survey is attached.

Inland Production Company requests a 60' ROW for the (WELL NAME) to allow for construction of a 6" poly gas gathering line, and a 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. Refer to Topographic Map "C".

13. **LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:**

Representative

Name: Jon Holst
Address: 410 Seventeenth Street
Suite 700
Denver, CO 80202
Telephone: (303) 893-0102

Certification

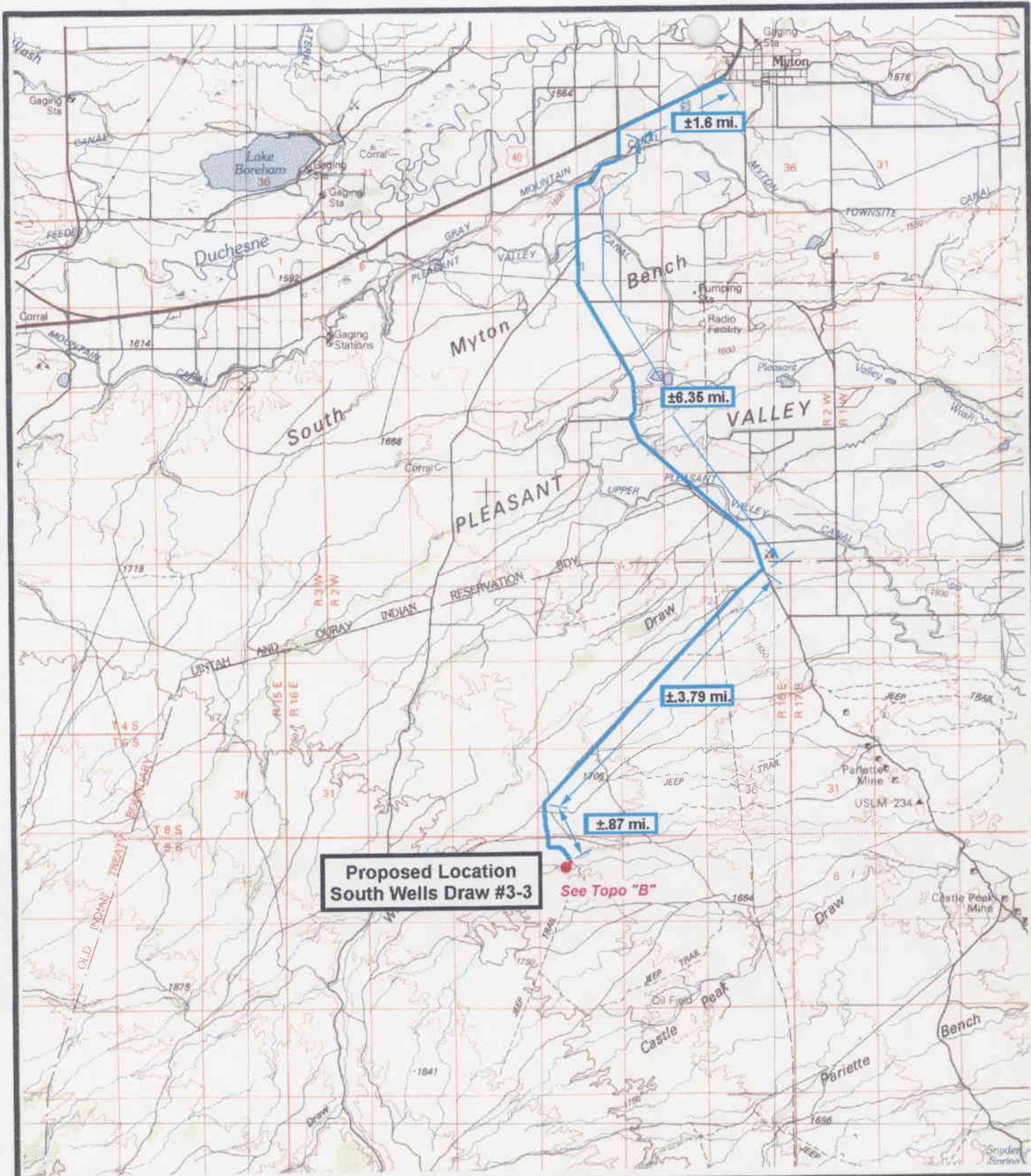
Please be advised that INLAND RESOURCES, INC. is considered to be the operator of well #6-3-9-16 SENW Section 3, T9S, R16E, Lease #U-77338, Duchesne County, Utah and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Inland Resources, Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

1/3/2000
Date



Jon Holst
Counsel



**Proposed Location
South Wells Draw #3-3**

See Topo "B"



**SOUTH WELLS DRAW #6-3
SEC. 3, T9S, R16E, S.L.B.&M.
TOPOGRAPHIC MAP "A"**



Drawn By: ML

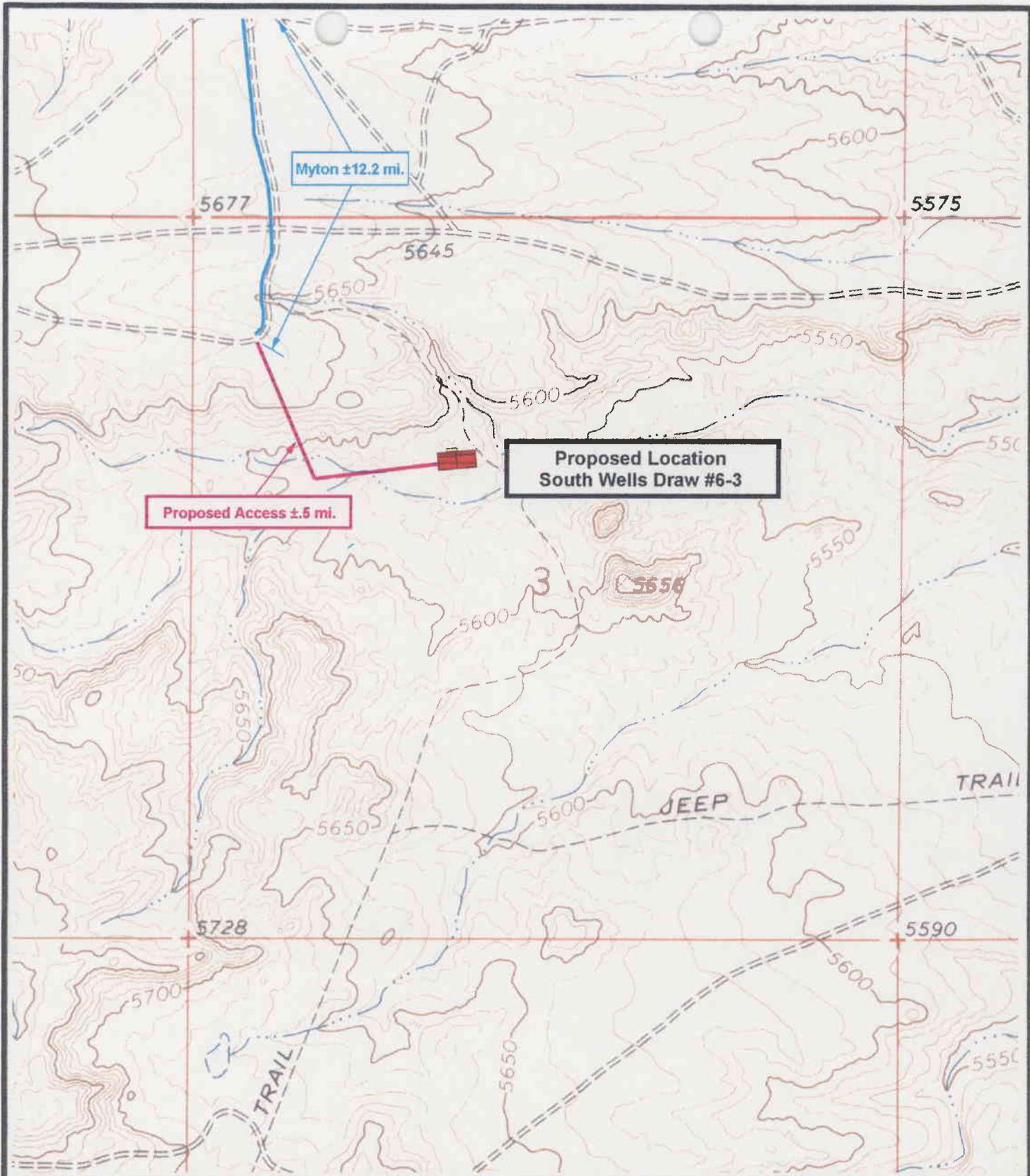
Revision:

Scale: 1 : 100,000

File: ILSWD6-3A

Date: 11/9/98

**Tri-State Land Surveying Inc.
P.O. Box 533, Vernal, UT 84078
435-781-2501 Fax 434-781-2518**

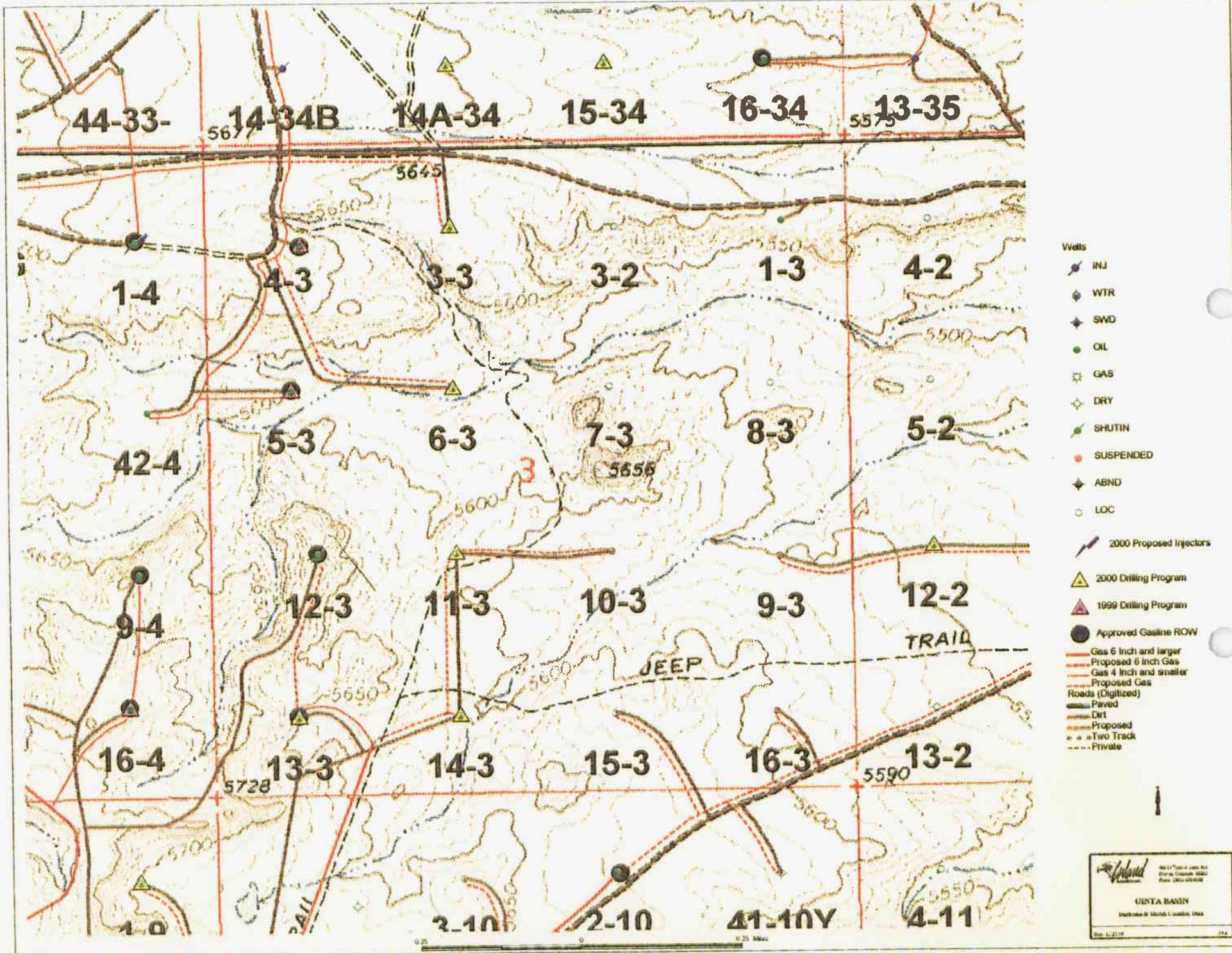


SOUTH WELLS DRAW #6-3
SEC. 3, T9S, R16E, S.L.B.&M.
TOPOGRAPHIC MAP "B"



Drawn By: ML	Revision:
Scale: 1" = 1000'	File: ILSWD6-3B
Date: 11/11/98	
Tri-State Land Surveying Inc. P.O. Box 533, Vernal, UT 84078 435-781-2501 Fax 434-781-2518	

TOPOGRAPHIC MAP "C"



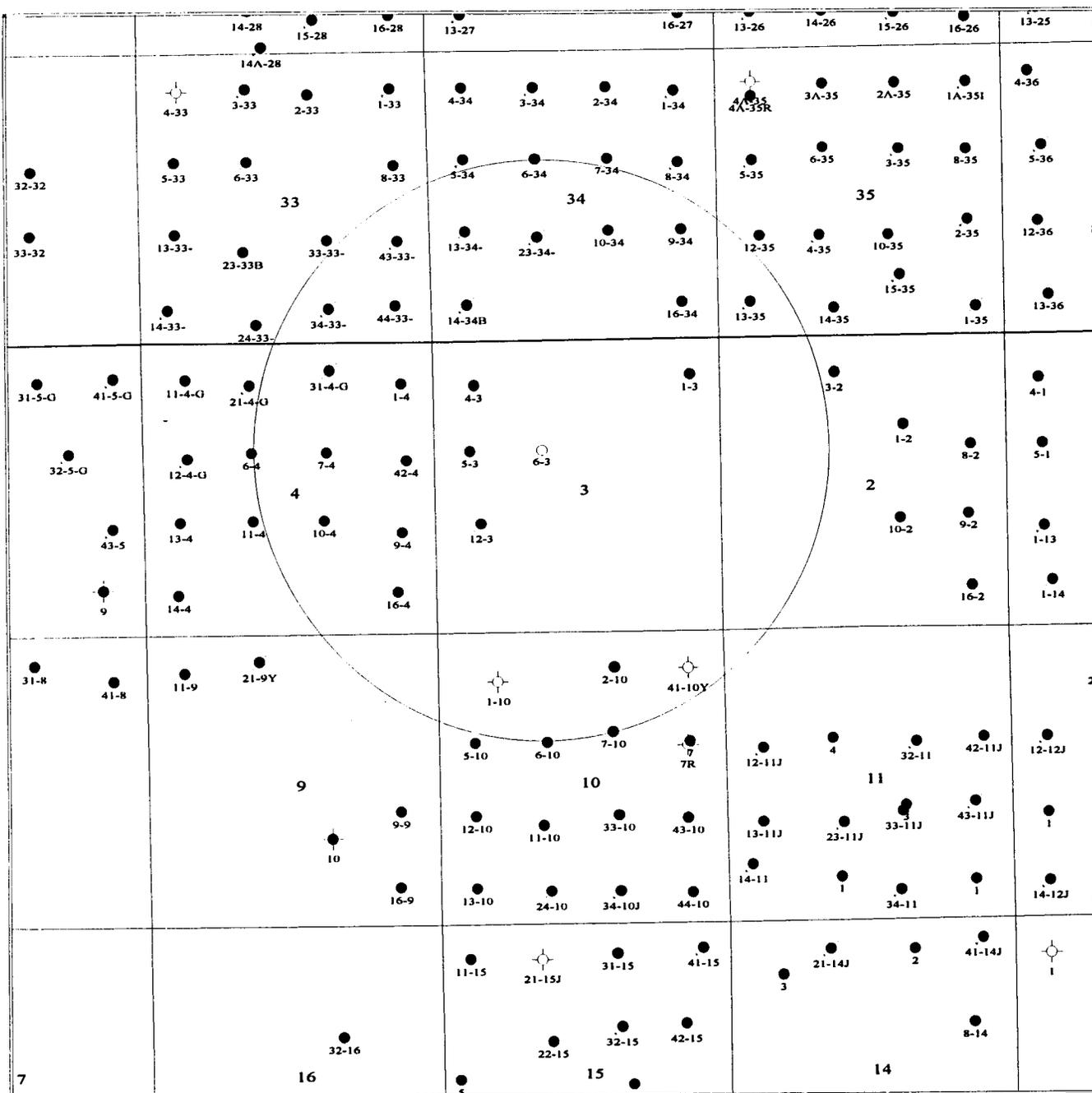
- Wells**
- INJ
 - WTR
 - SWD
 - OIL
 - GAS
 - DRY
 - SHUTIN
 - SUSPENDED
 - ABND
 - LOC
- 2000 Proposed Injectors**
- 2000 Drilling Program
 - 1999 Drilling Program
 - Approved Gasline ROW
- Roads (Digitized)**
- Gas 6 Inch and larger
 - Proposed 6 Inch Gas
 - Gas 4 Inch and smaller
 - Proposed Gas
 - Paved
 - Dirt
 - Proposed
 - Two Track
 - Private

Valiant
 4811 "D" St. Suite 100
 Denver, Colorado 80231
 Phone: (303) 475-0100

UINTA BASIN
 Developed by Valiant, a Conoco USA Company

Scale: 1:25,000
 Date: 12/21/98

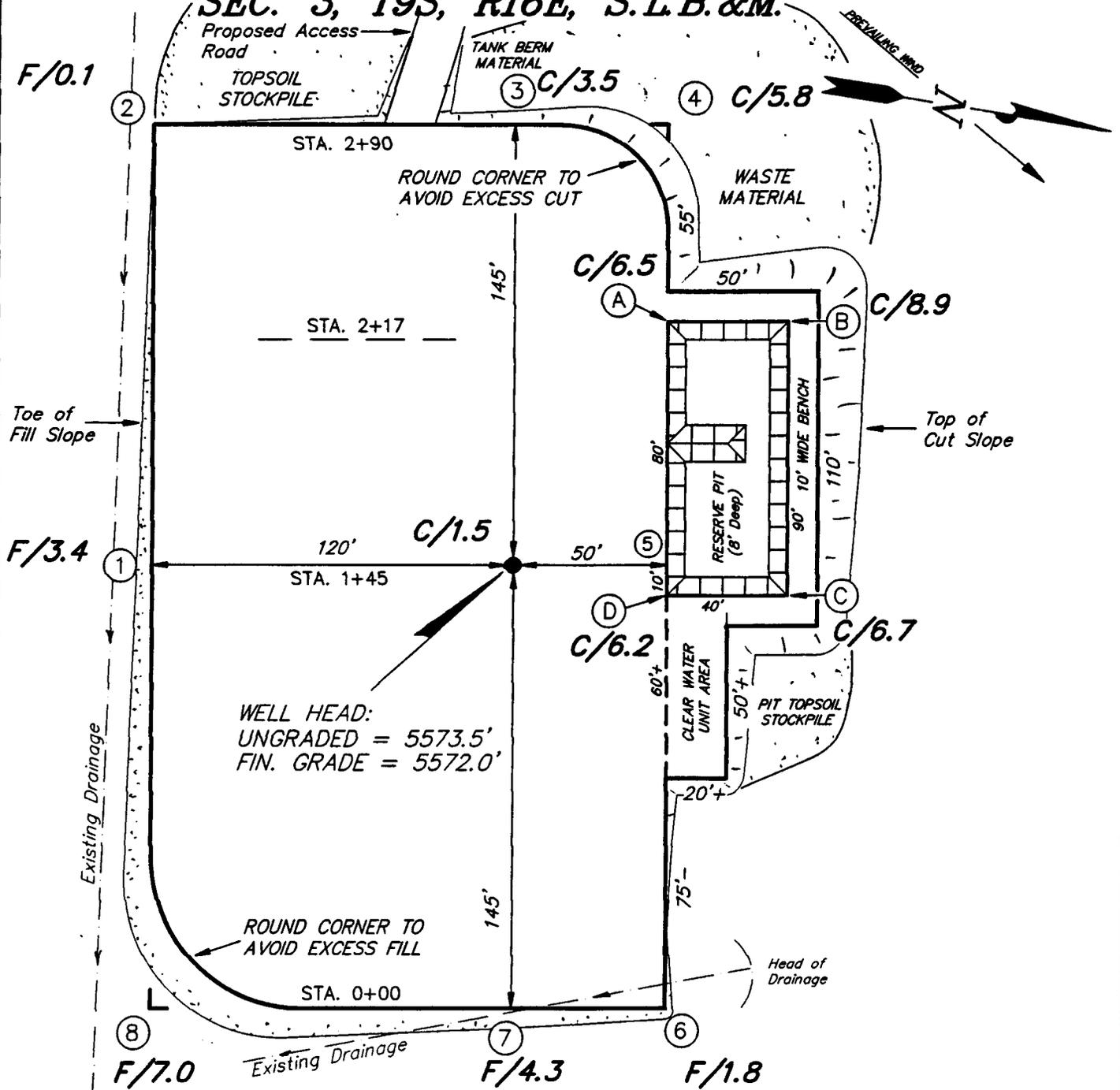
EXHIBIT D



INLAND PRODUCTION COMPANY		
One Mile Radius S. Wells Draw #6-3-9-16		
Josh Axelson		12/21/99
Scale 1:34567.83		

EXHIBIT E
INLAND PRODUCTION COMPANY

SOUTH WELLS DRAW #6-3-9-16
SEC. 3, T9S, R16E, S.L.B.&M.



REFERENCE POINTS

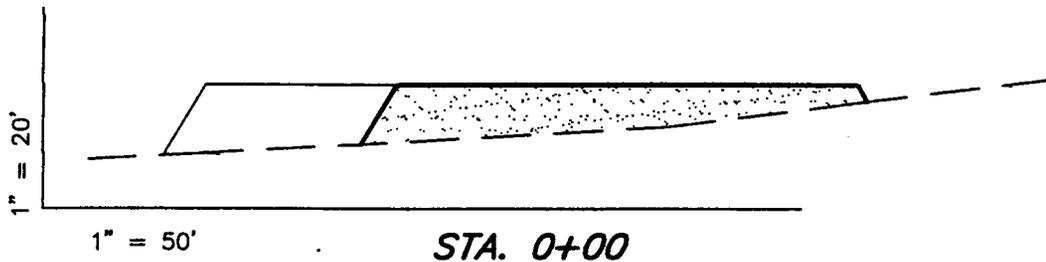
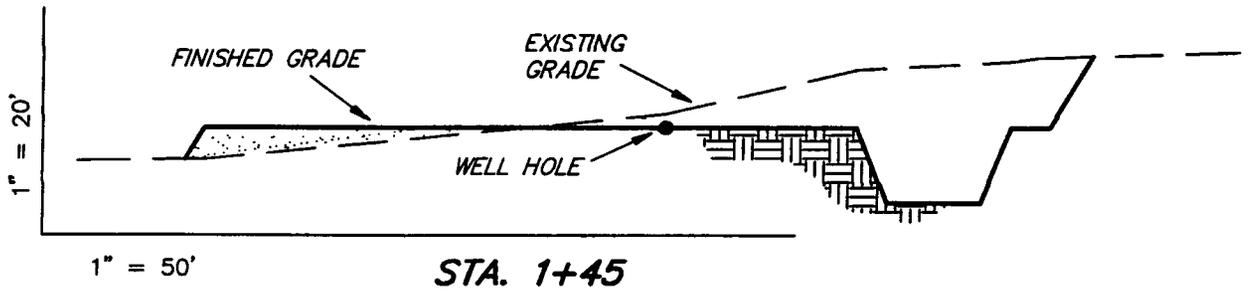
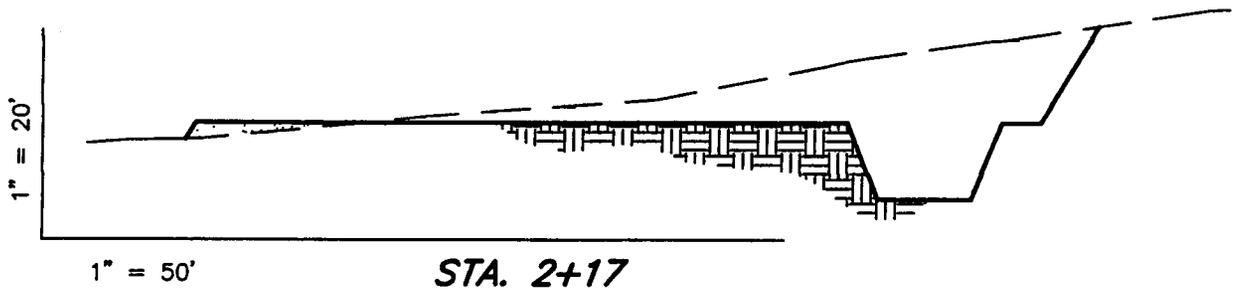
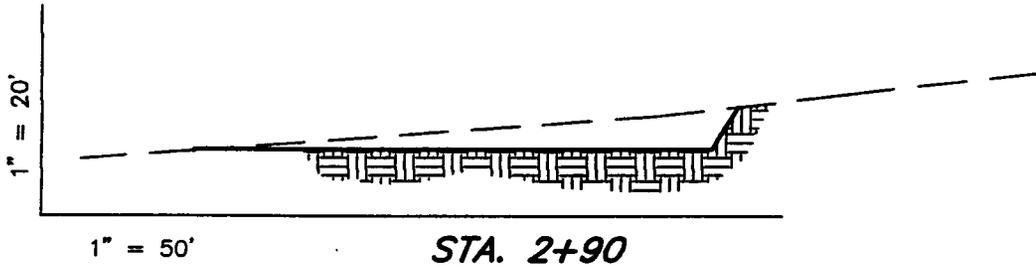
155' SOUTH	= 5568.4'
180' SOUTH	= 5568.4'
180' WEST	= 5576.1'
210' WEST	= 5577.1'

SURVEYED BY:	G.S.
DRAWN BY:	J.R.S.
DATE:	11-15-98
SCALE:	1" = 50'
REVISIONS:	

Tri State
 Land Surveying, Inc.
 (801) 781-2501
 38 WEST 100 NORTH VERNAL, UTAH 84078

EXHIBIT E-1
CROSS SECTIONS

SOUTH WELLS DRAW #6-3-9-16



APPROXIMATE YARDAGES

- CUT = 3,180 Cu. Yds.
- FILL = 3,180 Cu. Yds.
- PIT = 920 Cu. Yds.
- 6" TOPSOIL = 1,030 Cu. Yds.

Tri State
Land Surveying, Inc.
(801) 781-2501
38 WEST 100 NORTH VERNAL, UTAH 84078

Well No.: S. Wells Draw 6-3-9-16

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company

Well Name & Number: S. Wells Draw 6-3-9-16

Lease Number: UTU-77338

Location: SE/NW Sec 3, T9S, R16E

GENERAL

Access pad from West, off of the 5-3-9-16 location.

CULTURAL RESOURCES

See *CONDITIONS OF APPROVAL FOR INLAND RESOURCES MONUMENT BUTTE-MYTON BENCH WATERFLOOD ENVIRONMENTAL ASSESSMENT DUCHESNE AND UINTAH COUNTIES, UTAH EA NUMBER 1996-61.*

PALEONTOLOGICAL RESOURCES

See *CONDITIONS OF APPROVAL FOR INLAND RESOURCES MONUMENT BUTTE-MYTON BENCH WATERFLOOD ENVIRONMENTAL ASSESSMENT DUCHESNE AND UINTAH COUNTIES, UTAH EA NUMBER 1996-61.*

SOILS, WATERSHEDS, AND FLOODPLAINS

See *CONDITIONS OF APPROVAL FOR INLAND RESOURCES MONUMENT BUTTE-MYTON BENCH WATERFLOOD ENVIRONMENTAL ASSESSMENT DUCHESNE AND UINTAH COUNTIES, UTAH EA NUMBER 1996-61.*

WILDLIFE AND FISHERIES

See *CONDITIONS OF APPROVAL FOR INLAND RESOURCES MONUMENT BUTTE-MYTON BENCH WATERFLOOD ENVIRONMENTAL ASSESSMENT DUCHESNE AND UINTAH COUNTIES, UTAH EA NUMBER 1996-61.*

THREATENED, ENDANGERED, AND OTHER SENSITIVE SPECIES

See *CONDITIONS OF APPROVAL FOR INLAND RESOURCES MONUMENT BUTTE-MYTON BENCH WATERFLOOD ENVIRONMENTAL ASSESSMENT DUCHESNE AND UINTAH COUNTIES, UTAH EA NUMBER 1996-61.*

FERRUGINOUS HAWK: In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels.

WILDLIFE HABITAT: If the location is to be Constructed or Drilled between 3/1/99 and 8/15/99 additional surveys for golden eagle, ferruginous hawk, burrowing owl and mountain plover will be required before development can occur.

OTHER

CULTURAL RESOURCE EVALUATION OF VARIOUS LARGE TRACTS IN THE WELLS DRAW TO PARIETTE BENCH LOCALITY IN DUCHESNE & UINTAH COUNTIES, UTAH

Report Prepared for Inland Resources, Inc.

Department of Interior Permit No.: UI-98-54937

Utah State Project No.: UI-98-AF-0164bs

AERC Project 1598 (IPC98-4)

Author of the Report:
F. Richard Hauck, Ph.D



ARCHEOLOGICAL-ENVIRONMENTAL RESEARCH CORPORATION

181 North 200 West, Suite 5 -- Bountiful, Utah 84010

P.O. Box 853, Bountiful, Utah 84011

Phone: (801) 292-7061, 292-9668 FAX: (801) 292-0614

E-mail: ari@xmission.com Web page: www.ari-aerc.org

July 21, 1998

Abstract

A series of intensive cultural resource examinations has been conducted for Inland Resources, Inc. of seven project tracts situated in the Wells Draw to Pariette Bench locality of Duchesne and Uintah Counties, Utah. These parcels include portions of Sections 12 and 7 in the Ashley Unit (T. 9 S., R. 15 & 16 E.), portions of Sections 2, 3, 4, 9, and 10 in the South Wells Draw Unit (T. 9 S., R. 16 E.), portions of Sections 35 and 36 (T. 8 S., R. 17 E.) and 2 (T. 9 S., R. 17 E.) in the Odekirk Springs Unit, and portions of Sections 15, 18, and 22 in the South Pleasant Valley Unit (T. 9 S., R. 17 E.). The purpose of this report is to detail the result of these evaluations.

A total of 3,919 acres is incorporated into this report as examined for the presence of cultural resources preparatory to the development of Inland's well pads, access roads, and pipeline corridors in these project tracts. A total of 2,950 acres (75%) within the proposed development tracts is situated on federal lands administered by the Vernal District of the Bureau of Land Management, Diamond Mountain Resource Area, Vernal, Utah. The remaining 969 acres (25%) are situated on Utah State lands administered by the Division of State School Trust Lands.

Field examinations were initially conducted in December 1997 and January 1998 and then again from mid-April through early June 1998. AERC archaeologists that participated on the project include Marcel Corbiel, Donna Daniels, Kris Kunkel, Alan Hutchinson, Stance Hurst, Christy Gobber, Richard Francisca, Tammy Gibson, Scott Edmisten, and Christopher Davies. The field survey program was conducted under the direction of Glade Hadden, and/or F.R. Hauck. This work was done under Utah project UT-98-AF-0164bs, which expires on December 31, 1998.

A total of 28 prehistoric sites (42DC 1149, 1150, 1155-1166, 1171, 1174-1177 and 42UN 2532-2538, 2552, 2566) and four isolated diagnostic artifacts (1598B/x1, 1598K/x2, 1598R/x1 & 1598R/x2) were identified and recorded during this project. Sites 42DC 1155, 1156, 1157, 1160, 1163, 1164, 1165, 1166, 1171, 1176, 1177 and 42UN 2532, 2533, 2534, 2536, and 2566 are considered non-significant cultural resources. Sites 42DC 1149, 1150, 1158, 1159, 1161, 1162, 1174, 1175 and 42UN 2535, 2537, 2538, and 2552 are considered significant cultural resource under criteria established for the documentation of National Register of Historic Places (36CFR60.6).

No previously recorded significant or National Register eligible cultural resources will be adversely affected by well location development and access/pipeline route corridor development within the acreage cleared and reported within this document with adherence to the recommendations provided in the final section of this report.

Table of Contents

	page
Abstract	ii
Table of Contents	iii
List of Maps of the Project Area	iv
List of Figures	v
General Information	1
Project Location	1
Environmental Description	10
Previous Research in the Locality	10
File Search	10
Prehistory and History of the Project Area	11
Site Potential in the Project Development Zone	11
Field Evaluations	12
Methodology	12
Site Significance Criteria	12
Results of the Inventory	13
Site 42DC 1149	13
Site 42DC 1150	13
Site 42DC 1155	16
Site 42DC 1156	16
Site 42DC 1157	16
Site 42DC 1158	16
Site 42DC 1159	21
Site 42DC 1160	21
Site 42DC 1161	21
Site 42DC 1162	21
Site 42DC 1163	27
Site 42DC 1164	27

Table of Contents continued

	page
Site 42DC 1165	27
Site 42DC 1166	27
Site 42DC 1171	32
Site 42DC 1174	32
Site 42DC 1175	32
Site 42DC 1176	32
Site 42DC 1177	37
Site 42UN 2532	37
Site 42UN 2533	37
Site 42UN 2534	37
Site 42UN 2535	41
Site 42UN 2536	43
Site 42UN 2537	43
Site 42UN 2538	43
Site 42UN 2552	43
Site 42UN 2566	48
Isolated Artifacts	48
Paleontological Assessments	51
Discussion	51
Conclusion and Recommendations	52
References	53

List of Maps

	page
Map 1: Project Area for the Inland 1998 Development Program	2
Map 2: Cultural Resource Survey of Inland's Ashley Unit in the Wells Draw Locality of Duchesne County, Utah	3
Map 3: Cultural Resource Survey of Inland's South Wells Draw Unit in the Castle Peak Draw Locality of Duchesne County, Utah	4
Map 4: Cultural Resource Survey of Inland's Odekirk Springs Unit in the Castle Peak Draw Locality of Duchesne & Uintah Counties, Utah	5
Map 5: Cultural Resource Survey of Inland's South Pleasant Valley Unit in the Pariette Bench Locality of Duchesne County, Utah	6
Map 6: Cultural Resource Survey of Inland's South Pleasant Valley Unit in the Pariette Bench Locality of Duchesne County, Utah	7
Map 7: Cultural Resource Survey of Inland Bulk Acreage in the South Pleasant Valley Locality of Duchesne County, Utah	8
Map 8: Site Map for Site 42DC 1149	14
Map 9: Site Map for Site 42DC 1150	15
Map 10: Site Map for Site 42DC 1155 & 42DC 1156	17
Map 11: Site Map for Site 42DC 1157	19
Map 12: Site Map for Site 42DC 1158	20
Map 13: Site Map for Site 42DC 1159	22
Map 14: Site Map for Site 42DC 1160	23
Map 15: Site Map for Site 42DC 1161	25

List of Maps continued

	page
Map 16: Site Map for Site 42DC 1162 . . . . .	. 26
Map 17: Site Map for Site 42DC 1163 . . . . .	. 28
Map 18: Site Map for Site 42DC 1164 . . . . .	. 29
Map 19: Site Map for Site 42DC 1165 . . . . .	. 30
Map 20: Site Map for Site 42DC 1166 . . . . .	. 31
Map 21: Site Map for Site 42DC 1171 . . . . .	. 33
Map 22: Site Map for Site 42DC 1174 . . . . .	. 34
Map 23: Site Map for Site 42DC 1175 . . . . .	. 36
Map 24: Site Map for Site 42DC 1177 . . . . .	. 38
Map 25: Site Map for Site 42UN 2533 . . . . .	. 39
Map 26: Site Map for Site 42UN 2534 . . . . .	. 40
Map 27: Site Map for Site 42UN 2535 . . . . .	. 42
Map 28: Site Map for Site 42UN 2536 . . . . .	. 44
Map 29: Site Map for Site 42UN 2537 . . . . .	. 45
Map 30: Site Map for Site 42UN 2538 . . . . .	. 46
Map 31: Site Map for Site 42UN 2552 . . . . .	. 47
Map 32: Site Map for Site 42UN 2566 . . . . .	. 49

List of Figures

	page
Figure 1: Artifacts from Sites 42DC 1156, 1158, & 1159	18
Figure 2 Artifacts from Sites 42DC 1160 & 1161	24
Figure 3: Artifacts from Sites 42DC 1174 & 1175	35
Figure 4: Artifact from Site 42UN 2535	41
Figure 5: Isolated Artifacts 1598B/x1, 1598K/x2, 1598R/x1, & 1598R/x2	50

GENERAL INFORMATION

Between April 13 and June 9, 1998, a variety of AERC archaeologists including Kris Kunkel, Alan Hutchinson, Stance Hurst, Christy Gobber, Scott Edmisten, Richard Francisco, Patrick Walker, and Christopher G. Davies acting under the direction of Glade Hadden and/or F.R. Hauck, conducted intensive cultural resource evaluations of seven acreage tracts situated between the Wells Draw locality of Duchesne County on the West, and the Pariette Bench locality of Uintah County on the East, in the Uinta Basin region of eastern Utah (see Map 1). Cultural evaluations within these tracts actually began in the winter of 1997-97 as initially reported in Hauck and Hadden 1997.

These seven project tracts are actually associated with Inland Resource's **Ashley, South Wells Draw, Odekirk Springs, and South Pleasant Valley Units**. These tracts include portions of Sections 12 and 7 in the **Ashley Unit** (T. 9 S., R. 15 & 16 E.), portions of Sections 2, 3, 4, 9, and 10 in the **South Wells Draw Unit** (T. 9 S., R. 16 E.), portions of Sections 35 and 36 (T. 8 S., R. 17 E.) and 2 (T. 9 S., R. 17 E.) in the **Odekirk Springs Unit**, and portions of Sections 15, 18, and 22 in the **South Pleasant Valley Unit** (T. 9 S., R. 17 E.).

A total of 3,919 acres is incorporated into this report as examined for the presence of cultural resources preparatory to the development of Inland's well pads, access roads, and pipeline corridors in these project tracts. A total of 2950 acres (75%) within the proposed development tracts is situated on federal lands administered by the Vernal District of the Bureau of Land Management, Diamond Mountain Resource Area, Vernal, Utah. The remaining 969 acres (25%) are situated on Utah State lands administrated by the Division of State School Trust Lands.

The purpose of this field study and this report is to identify and document cultural site presence and assess National Register potential significance relative to established criteria (cf. Title 36 CFR 60.6). The future oil/gas development within these various tracts requires an archaeological evaluation in compliance with U.C.A. 9-8-404, the Federal Antiquities Act of 1906, the Reservoir Salvage Act of 1960-as amended, the National Environmental Policy Act of 1969, the Federal Land Policy and Management Act of 1979, the Archaeological Resources Protection Act of 1979, the Native American Religious Freedom Act of 1978, the Historic Preservation Act of 1980, and Executive Order 11593.

In addition to documenting cultural identity and significance, mitigation recommendations relative to the preservation of cultural data and materials can be directed to the Vernal District Office of the Bureau of Land Management, and to the Utah State Antiquities Section, Division of State History.

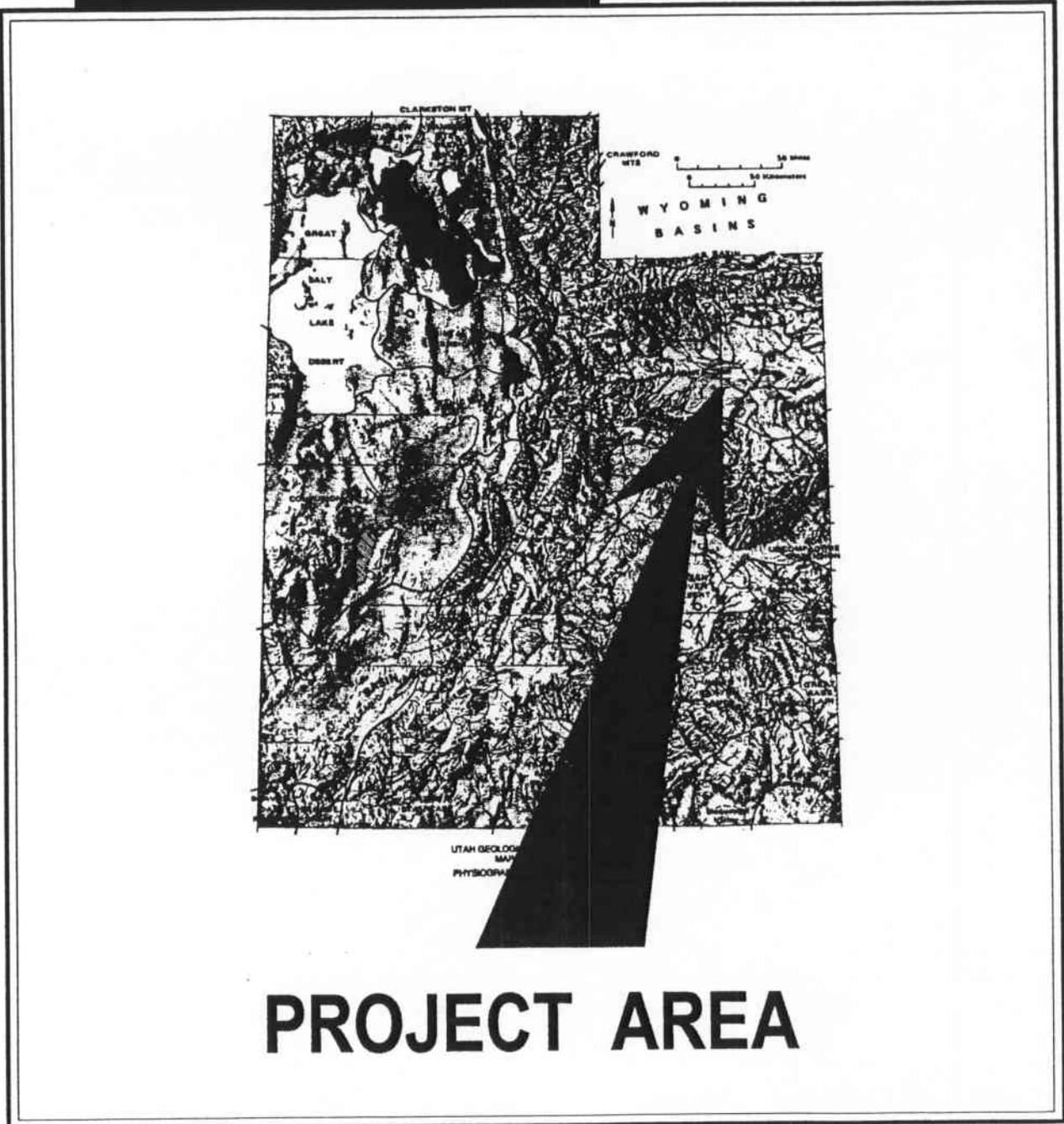
Project Location

The project area extends from the Wells Draw locality of Duchesne County eastward to the Pariette Bench locality of Uintah County, Utah. The seven tracts under investigation are situated on

**MAP 1
PROJECT AREA FOR THE
INLAND RESOURCES 1998
DEVELOPMENT PROGRAM**



**PROJECT: IPC98-4
SCALE: 1: 200,650
DATE: 7/ 20/ 98**



PROJECT AREA

**TOWNSHIP: multiple
RANGE: multiple
MERIDIAN: multiple**

Utah Geological and Mineral Survey
- Map 43 1977

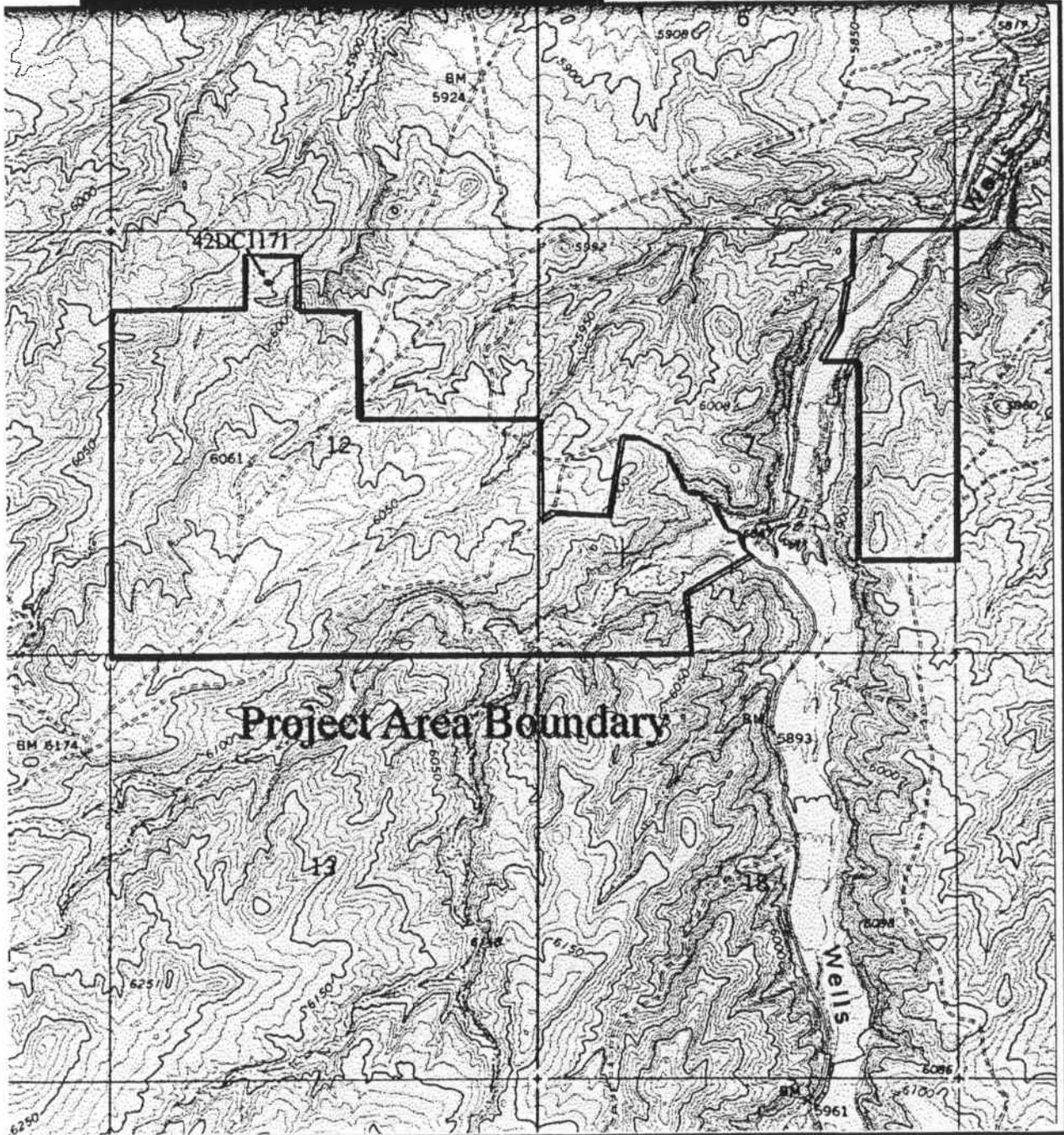
Physiographic Subdivisions of Utah
by W.L. Stokes



MAP 2
CULTURAL RESOURCE SURVEY
OF INLAND'S ASHLEY UNIT
IN THE WELLS DRAW LOCALITY
OF DUCHESNE COUNTY, UTAH



PROJECT: IPC98-4
SCALE: 1:24,000
QUAD: Myton SW
DATE: July 8, 1998



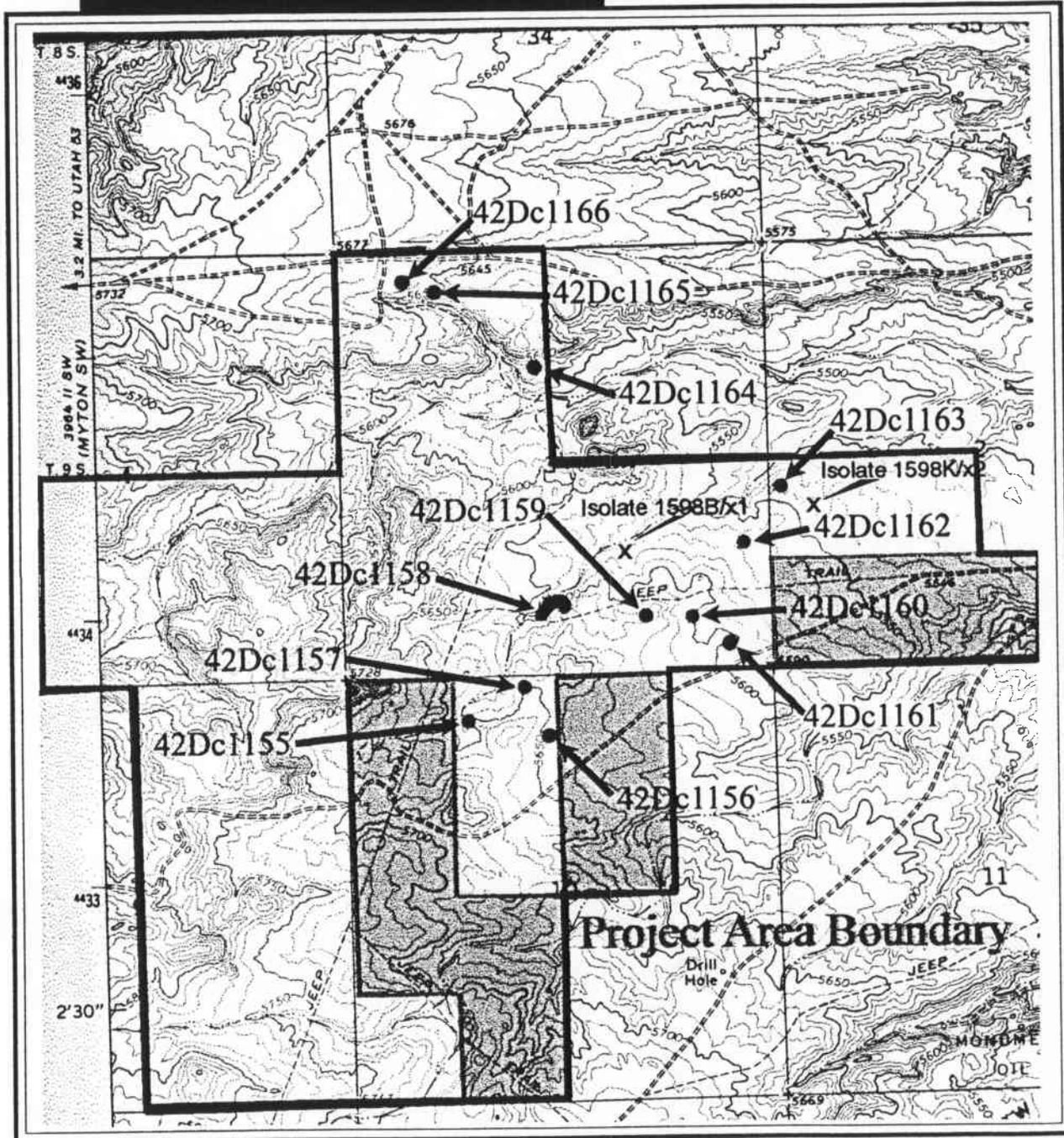
TOWNSHIP: 9 South
RANGE: 15 and 16 East
MERIDIAN: SL B. & M.

LEGEND

 **Area Inventoried**  **CULTURAL SITE**

MAP- 3
CULTURAL RESOURCE SURVEY
OF INLAND'S SOUTH WELLS DRAW
UNIT IN THE CASTLE PEAK DRAW
LOCALITY OF UINTAH COUNTY, UTAH

PROJECT: IPC98-4
SCALE: 1:24,000
QUAD: Myton SE
DATE: July 3, 1998



LEGEND



TOWNSHIP: 9 South
RANGE: 16 East
MERIDIAN: SL B. & M.



Area Reported in
 IPC97-5A & 98-3B
 Reports
 Area Reported
 Pertinent to this
 Report

● CULTURAL SITE
 X ISOLATED ARTIFACT

**MAP 4: CULTURAL RESOURCE
SURVEY OF INLAND'S ODEKIRK
SPRINGS UNIT IN THE CASTLE PEAK
DRAW LOCALITY OF DUCHESNE &
UINTAH COUNTIES, UTAH**



PROJECT: IPC98-4
SCALE: 1:24,000
QUAD: Pariette Draw SW
DATE: July 3, 1998



LEGEND



TOWNSHIP: 8 and 9 South
RANGE: 17 East
MERIDIAN: SL B. & M.

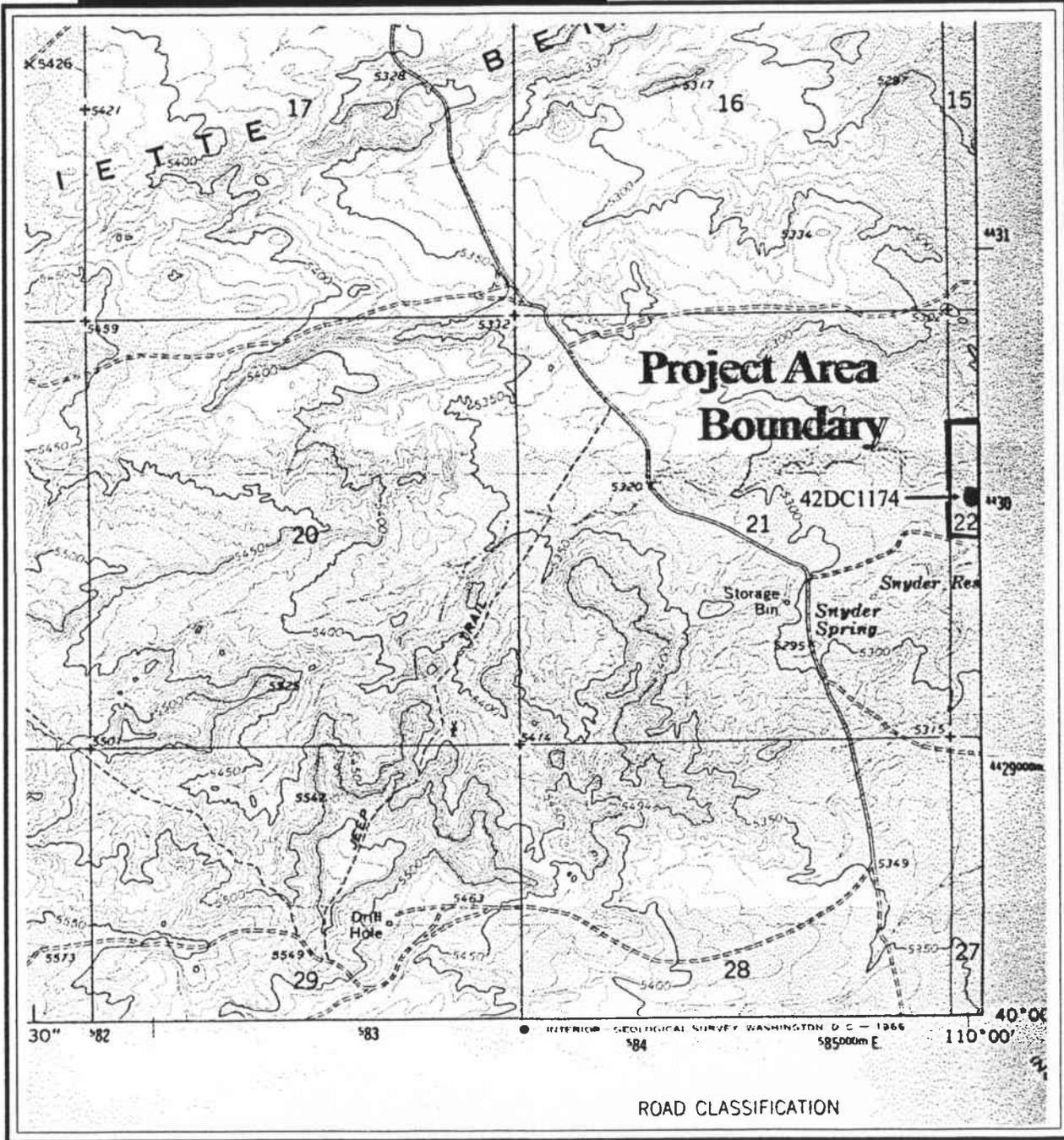
 Area Inventoried

 CULTURAL SITE

MAP: 5 CULTURAL RESOURCE SURVEY OF INLAND'S SOUTH PLEASANT VALLEY UNIT IN THE PARIETTE BENCH LOCALITY OF DUCHESNE COUNTY, UTAH



PROJECT: IPC98-4
SCALE: 1:24,000
QUAD: Myton, SE
DATE: July 9, 1998



TOWNSHIP: 9 South
RANGE: 17 East
MERIDIAN: SL B. & M.

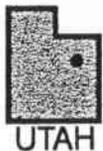
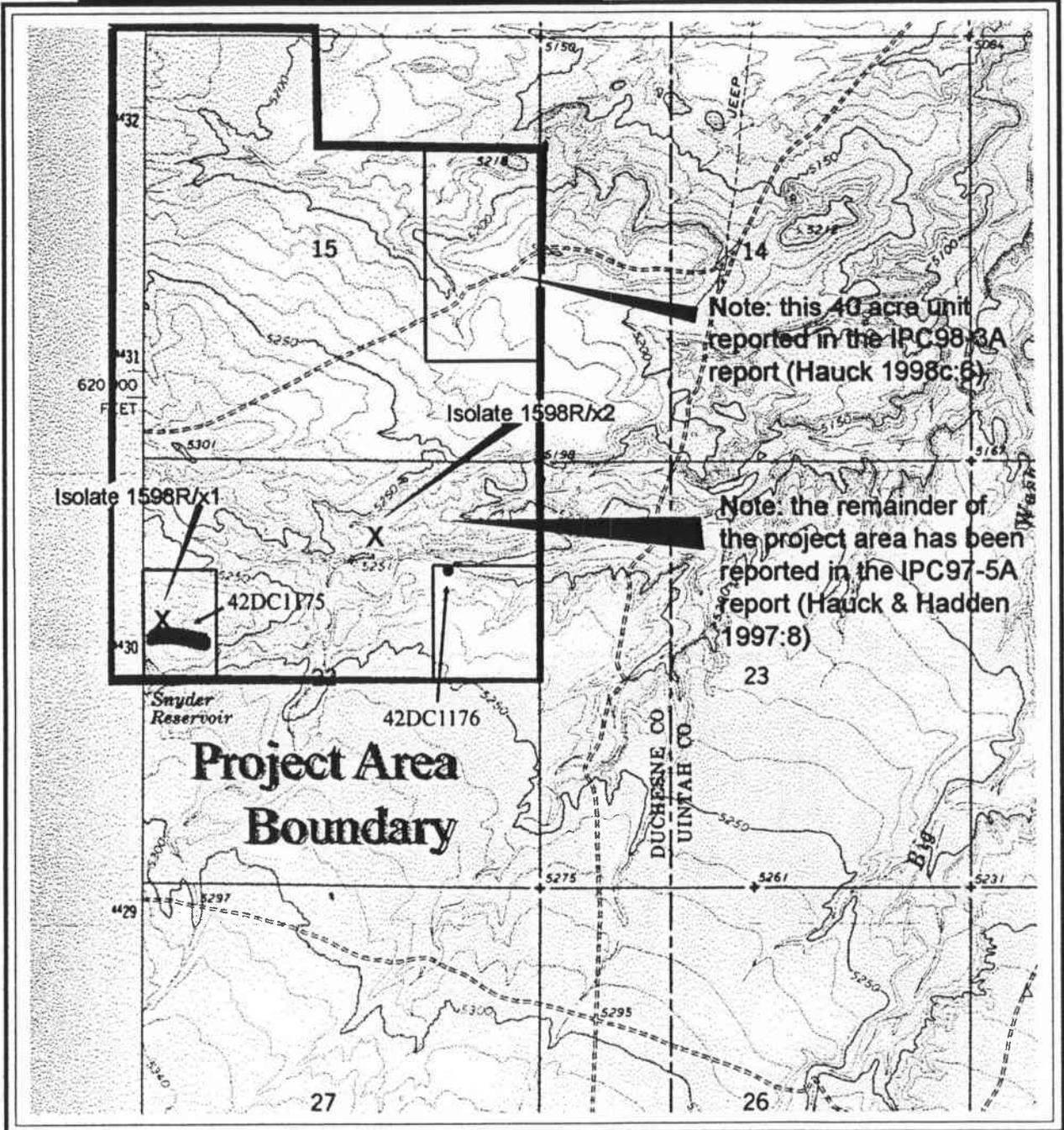
LEGEND

Area Inventoried (represented by a dashed line symbol)
CULTURAL SITE (represented by a solid dot symbol)

MAP: 6 CULTURAL RESOURCE SURVEY OF INLAND'S SOUTH PLEASANT VALLEY UNIT IN THE PARIETTE BENCH LOCALITY OF DUCHESNE COUNTY, UTAH



PROJECT: IPC98-4
SCALE: 1:24,000
QUAD: Pariette Draw SW
DATE: July 9, 1998



TOWNSHIP: 9 South
RANGE: 17 East
MERIDIAN: SL B. & M.

LEGEND



Area Examined Pertinent to this Report

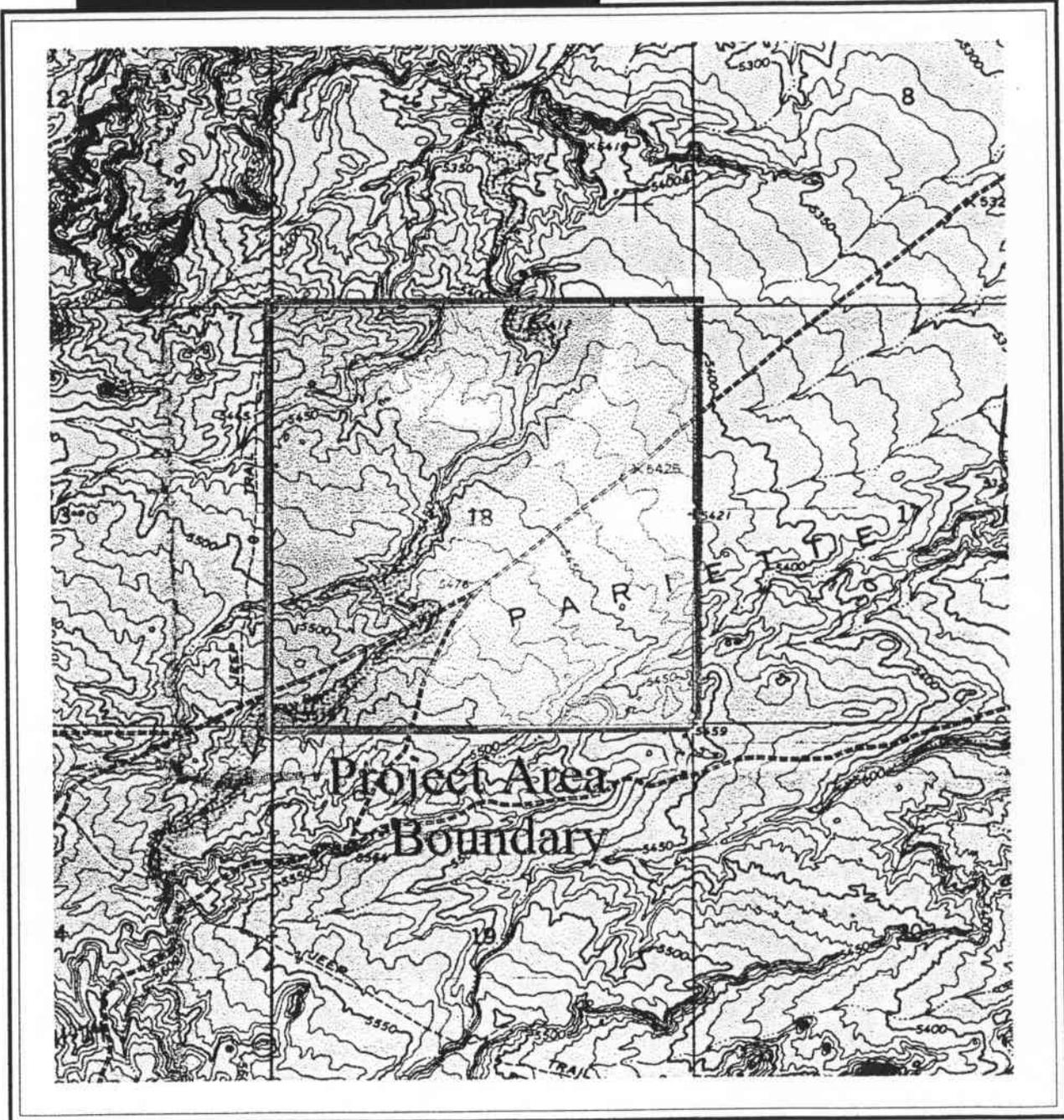
● CULTURAL SITE

X ISOLATED ARTIFACT

**MAP 7:
 CULTURAL RESOURCE SURVEY
 OF INLAND BULK ACREAGE IN THE
 SOUTH PLEASANT VALLEY LOCALITY
 OF DUCHESNE COUNTY, UTAH**



PROJECT: IPC98-4
SCALE: 1:24,000
QUAD: Myton SE, Utah
DATE: July 9, 1998



TOWNSHIP: 9 South
RANGE: 17 East
MERIDIAN: SL B. & M.

LEGEND



Bulk Acreage Survey Evaluated in 1997 as Reported in Hauck & Hadden 1997:5 (IPC97-5A, Map 4)
 Bulk Acreage Survey Completed in Spring 1998 for this Report

the Myton SE, Myton SW, and Pariette Draw SW 7.5 minute USGS quads as shown on Map 2 through Map 7. The seven inventoried tracts are located in the following Lease Units:

Ashley Unit (see Map 2)

Evaluated parcels in this unit, as reported in this current document, total 689 acres and include the southern half and portions of the northwest and northeast quarters of Section 12, Township 9 South, Range 15 East (Salt Lake B. & M.). Portions of the southwest quarter, the northeast quarter, and the southeast quarter of Section 7, Township 9 South, Range 16 East are also included.

This acreage includes the following locations: 3-12, 5-12, 6-12, 9-12, 10-12, 11-12, 13-12, 14-12, 15-12, 16-12 (all in Section 12), and 1-7, 8-7, 9-7, 11-7, 13-7, and portions of 14-7 (all in Section 7).

South Wells Draw Unit (see Map 3)

Evaluated portions of this unit, as reported in this current document, total 1,240 acres and include the northern half of the southwest quarter of Section 2, all of Section 3 except for the northeast quarter, the southeast quarter and the eastern half of the southwest quarter of Section 4, the eastern half of Section 9, and the eastern half of the northwest quarter and the southwest quarter of the southwest quarter of Section 10, Township 9 South, range 16 East.

This acreage includes the following locations: 11-2 and 12-2 (in Section 2), 3-3, 4-3, 5-3, 6-3, 9-3, 10-3, 11-3, 12-3, 13-3, 14-3, 15-3, and 16-3 (in Section 3), 9-4, 10-4, 11-4, 12-4, 13-4, 14-4, 15-4, and 16-4 (in Section 4), 1-9, 2-9, 7-9, 8-9, 9-9, 10-9, 15-9, 16-9 (in Section 9), and 3-10, 6-10, and 13-10 (in Section 10).

Odekirk Springs Unit (see Map 4)

Evaluated portions of this unit, as reported in this current document, total 1,529 acres and include Sections 35 and 36 of Township 8 South, Range 17 East. In addition, portions of the northwest, northeast, and southeast quarters of Section 2, Township 9 South, Range 17 East were also evaluated.

This acreage includes the following locations: 1-35 through 16-35 in Section 35, 1-36 through 16-36 in Section 36, and previously unevaluated acreage associated with units 1-2, 2-2, 3-2, 4-2, 5-2, 6-2, 7-2 8-2, 9-2, and 16-2 all in Section 2.

South Pleasant Valley Unit (see Maps 5, 6, and 7)

Evaluated portions of this unit total 461 acres and include the southeast quarter of the northeast quarter and the northeast quarter of the southeast quarter of Section 15 (also noted in

Hauck 1998c), portions of the northeast, northwest and southwest quarters of Section 18, and, in Section 22, the southwest quarter of the northwest quarter and the southeast quarter of the northeast quarter.

This acreage includes the following locations: 8-15 and 9-15 in Section 15 (previously reported in Hauck 1998c), units 2-18, 4-18, 5-18, 6-18, and portions of 7-18, 11-18, 12-18, 13-18, and portions of 14-18 in Section 18, and 5-22, 8-22 in Section 22.

Environmental Description

The various project tracts associated with this report are within the 5200 to 6100 foot elevation zone above sea level. Open rangeland terrain and eroded Eocene lake bed surfaces are affiliated with the entire project area.

The vegetation in the project area includes rabbit brush (*Chrysothamnus spp.*), sagebrush (*Artemisia spp.*), Winterfat (*Ceratoides lanata*) greasewood (*Sarcobatus spp.*), Sulphur flower Buckwheat (*Eriogonum umbellatum*) Mormon tea (*Ephedra viridis*), Halogeton, Mountain Mahogany (*Cercocarpus spp.*), saltbush (*Atriplex canescens*), and a variety of grasses.

The geological associations within the project area consist of Quaternary age sand and gravel deposits and fluvial lake deposits which correlate with the Uintah Formation of Tertiary age throughout the remainder of the tracts being considered in this report.

PREVIOUS RESEARCH IN THE LOCALITY

File Search

A records search of the site files and maps at the Antiquities Section of the State Historic Preservation Office in Salt Lake City was conducted on November 6, 1997 in association with the primary project as requested by Inland Resources, Inc. A similar search was conducted in the Vernal District Office of the BLM on November 10, 1997 and March 18, 1998. Searches were also initiated during the spring of 1998 in order to check various parcels added to the evaluation by Inland Resources. The National Register of Historic Places was consulted and no registered historic or prehistoric properties will be affected by the proposed developments.

A variety of known cultural sites are situated in the general locality. Many of these prehistoric resources were identified and recorded by AERC and other archaeologists and consultants during oil and gas exploration inventories (cf., Fike and Phillips 1984, Hauck and Weder 1989, Hauck (various), Hauck and Hadden 1993, 1994, 1995, 1996, 1997).

Prehistory of the Cultural Region

Currently available information indicates that the Northern Colorado Plateau Cultural Region has been occupied by a variety of cultures beginning perhaps as early as 10,000 B.C. These cultures, as identified by their material remains, demonstrate a cultural developmental process that begins with the earliest identified Paleoindian peoples (10,000 - 7,000 B.C.) and extends through the Archaic (ca. 7,000 B.C. - 300 A.D.), and Formative (ca. A.D. 400 - 1100) stages, and the Late Prehistoric-Protohistoric periods (ca. A.D. 1200 - 1850) to conclude in the Historic-Modern Period which was initiated with the incursion of the Euro-American trappers, explorers and settlers. Basically, each cultural stage--with the possible exception of the Late Prehistoric hunting and gathering Shoshonean bands--features a more complex life-way and social order than occurred during the earlier stage of development (Hauck 1991:53). For a more comprehensive treatment of the prehistory and history of this region see *Archaeological Evaluations in the Northern Colorado Plateau Cultural Area* (Hauck 1991).

Site Potential in the Project Development Zone

Previous archaeological evaluations in the general project area have resulted in the identification and recording of a variety of cultural resource sites having eligibility for potential nomination to the National Register of Historic Places. The majority of these sites are lithic scatters containing cobble reduction materials. Many of these quarry sites are of the "tap and test" variety, and extend for tens of hundreds of meters. Open occupations are also frequently being identified in this locality. Sites associated with the open rangeland generally appear to have been occupied during the Early and Middle Plains Archaic Stage with occasional indications of Paleoindian activity based on the recovery of both Llano and Plano style projectile points as isolated artifacts and from archaeological sites. The north-south drainage canyons appear to contain the majority of Late Prehistoric (Numic) sites probably because those canyon floors were transportation corridors and convenient pastures for the Ute horse herds. Evidence of Formative Stage occupation, i.e. Fremont, is rarely observed in the rangeland environment but is common within the Green River and White River canyons and their primary tributary canyons.

Site density in certain portions of the region appears to range from one to four sites per section. These densities increase in the canyon bottoms due to Ute rock art loci. Recent evaluations indicate that the site densities may reach 8 to 12 sites per section for a site/acre ratio ranging between 1/80 and 1/53 in certain localities on the upper benches which were apparently favored for hunting, lithic resource procurement, and camping. Prehistoric sites on the rangeland benches appear to be associated with water courses and aeolian deposits. In the Wells Draw and Castle Peak Draw localities, site density appears to be very high (possibly as high as the site/acre ratio of 1/25), especially in areas near water courses and seep sources.

FIELD EVALUATIONS

Methodology

Intensive evaluations consisted of the archaeologists walking a series of 10 to 20 meter-wide transects within the various tracts as defined above for this project area. Thus, 3,919 acres were inventoried relative to this present project.

Observation of cultural materials results in intensive examinations to determine the nature of the resource (isolate or activity locus). The analysis of each specific site results in its subsequently being sketched, photographed, and appropriately recorded on standard IMACS forms.

In certain instances, the cultural sites are evaluated for depth potential utilizing AERC's portable Ground Penetrating Radar (GPR) computerized system (SIR-2 manufactured by Geophysical Survey Systems, Inc. of North Salem, New Hampshire). GPR was not used during this project.

Following these field analyses, cultural sites are then evaluated for significance utilizing the standards described below and mitigation recommendations are developed by the principal investigator in consultation with both the client and relevant governmental agencies as a means of preserving significant resources which may be situated within the development zone.

Site Significance Criteria

Prehistoric and historic cultural sites which can be considered as eligible for nomination to the National Register of Historic Places have been outlined as follows in the National Register's Criteria for Evaluation as established in Title 36 CFR 60.6:

The quality of significance in American . . . archaeology . . . and culture is present in . . . sites . . . that possess integrity of location, design, setting, materials, workmanship, feeling, and association and:

- a. That are associated with events that have made a significant contribution to the broad patterns of our history; or*
- b. that are associated with the lives of persons significant in our past; or*
- c. that embody the distinctive characteristics of a type, period, or method of construction . . . ; or*
- d. that have yielded, or may be likely to yield, information important in prehistory or history.*

In addition to satisfying one or more of these general conditions, a significant cultural resource site in Utah will generally be considered as eligible for inclusion in the National Register if it should advance our current state of knowledge relating to chronology, cultural relationships, origins, and cultural life ways of prehistoric or historic groups in the area.

In a final review of any site's significance, the site must possess integrity and at least one of the above criteria to be considered eligible for nomination to the National Register of Historic Places.

Results of the Inventory

A total of 28 prehistoric archeological sites and four isolated artifacts was recorded during the archaeological evaluation of the various tracts in this project area. These sites consist of 42DC 1149, 1150, 1155-1166, 1171, 1174-1177 and 42UN 2532-2538, 2552, and 2566. A brief description of each site, the site maps, cultural significance determinations, and mitigation recommendations are provided in this portion of the report. A discussion of the four isolated diagnostic artifacts (1598B/x1, 1598K/x2, 1598R/x1 & 1598R/x2) follows the site discussion .

Site 42DC 1149 (see Maps 4 and 8)

This site is a large, diffuse scatter of lithic debitage, cores and tools on an elevated bench and ridge complex associated with stabilized aeolian deposits. The site occupation area occurs in and among a large sandstone outcrop or monolith at the highest/westernmost edge of the scatter area. Fire cracked rock concentrations, tools and shatter predominate at the occupation area, while primary flakes, cores and shatter occur at low rates across the remainder of the site.

Nat. Register Status: Significant

Justification: Site contains depth potential and context integrity. This site meets the standards for significance under criterion d established in 36 FR 60.6.

Recommendation: Avoidance during any surface development related to Units 5-35 and 12-35.

Site 42DC 1150 (see Maps 4 and 9)

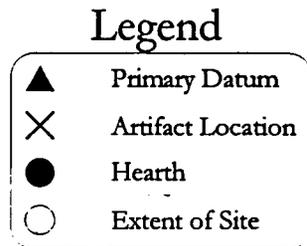
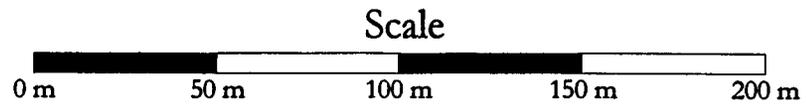
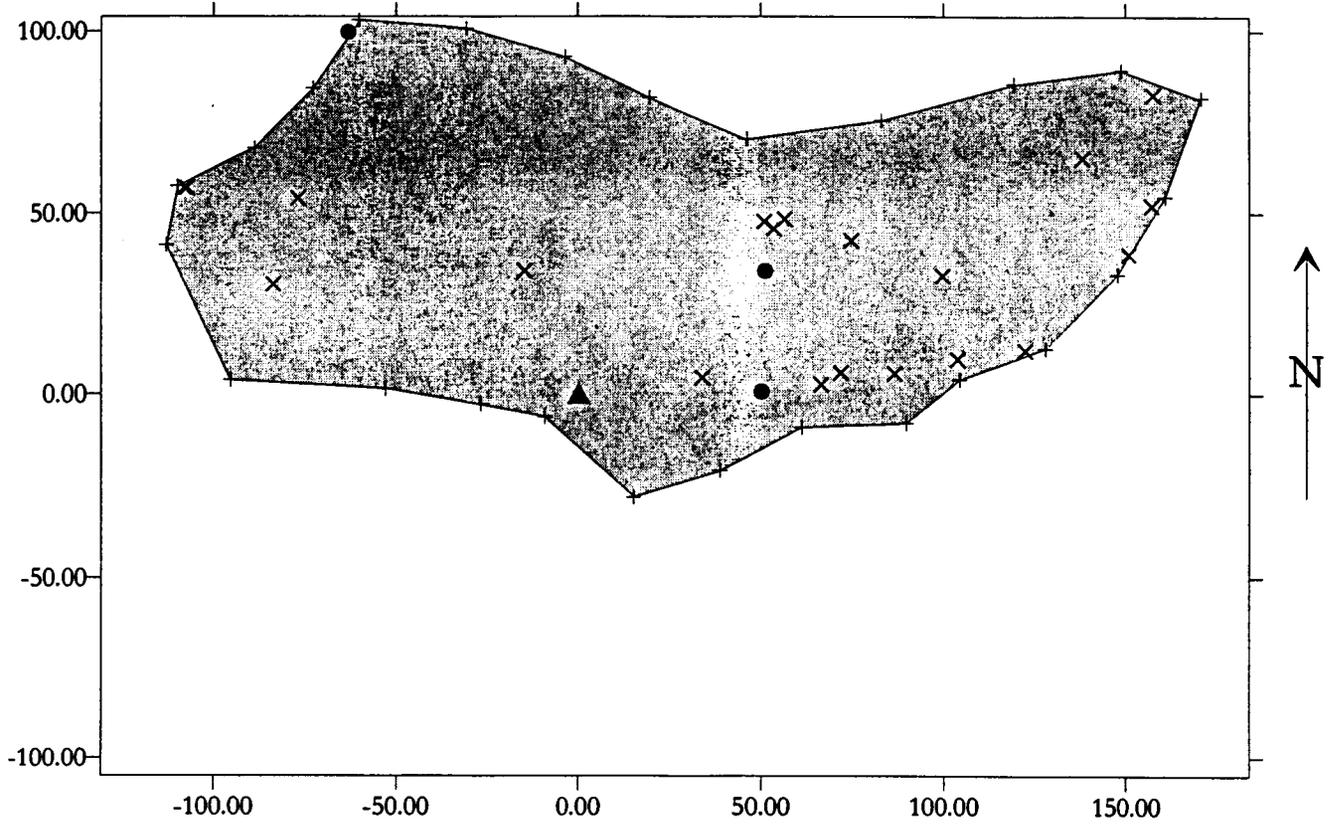
This site consists of a very large dispersed scatter of lithic debitage in all stages of reduction and tool manufacture, tools and hearth remains along the top and sides of a large dune. Artifacts are eroding from the dune field and are exposed in blowouts and along the dune.

Nat. Register Status: Significant

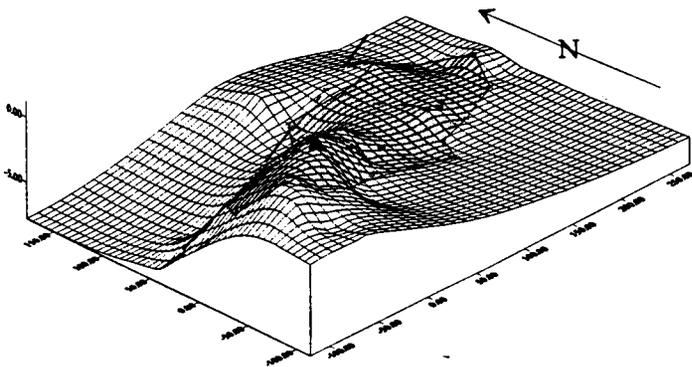
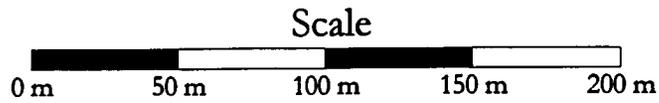
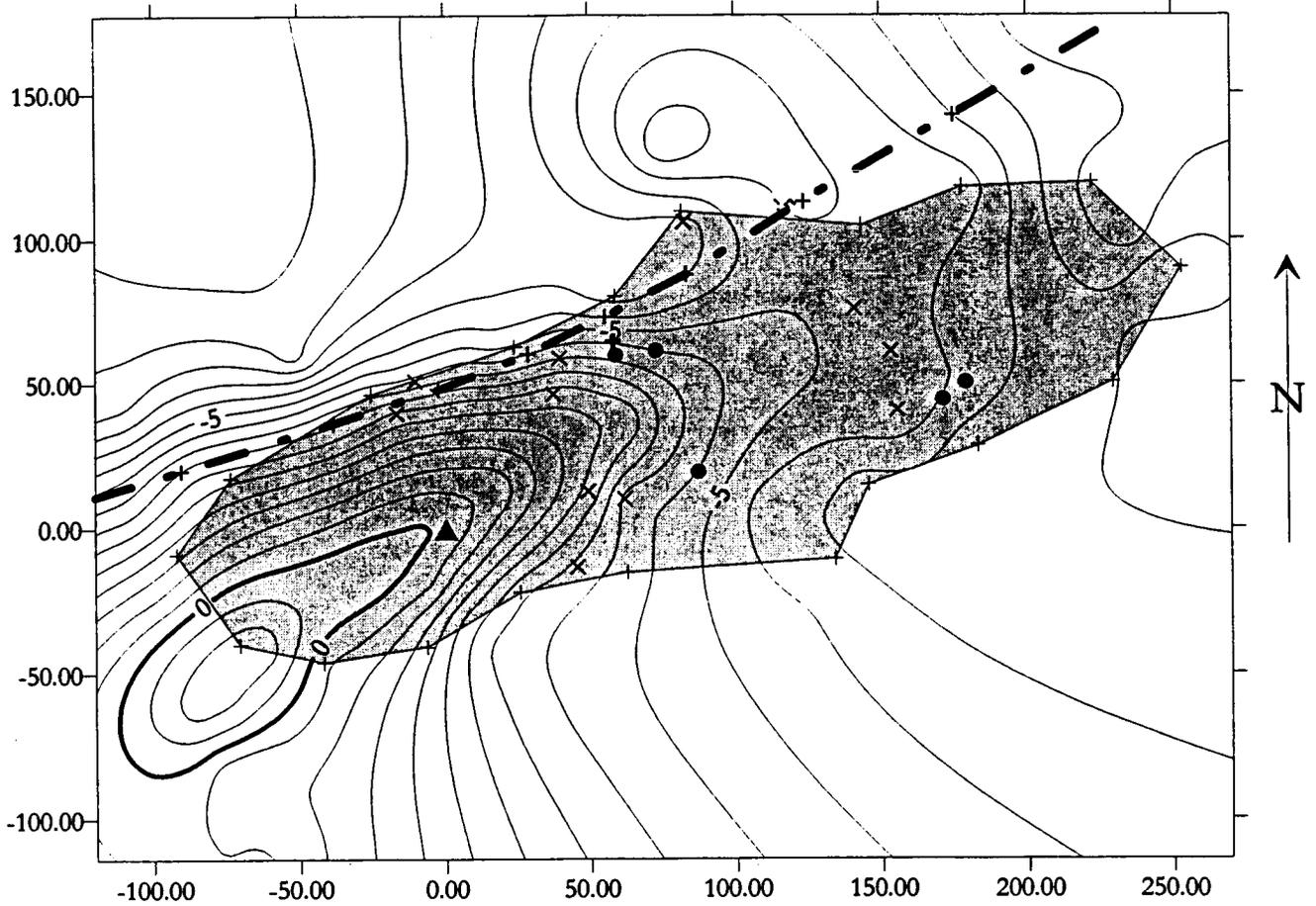
Justification: Site contains depth potential and context integrity. This site meets the standards for significance under criterion d established in 36 FR 60.6.

Recommendation: Avoidance during any surface development related to Unit 4-35.

MAP 8: SITE 42DC 1149



MAP 9: SITE 42DC 1150



Legend

- ▲ Primary Datum
- × Artifact Location
- Hearth
- ⊕ Section Corner
- - - Pipeline
- Extent of Site

Site 42DC 1155 (see Maps 3 and 10)

Site consists of a scatter of Mesa Verde corrugated grayware that was manufactured during the late Pueblo-II, early Pueblo-III occupation in the Southwest cultural area. The artifact evidently represents a trade item brought into the Uinta Basin. Similar artifacts have been previously recorded for this region and the adjacent White River region of northwestern Colorado (Hauck 1991). The site was located within sandstone bedrock exposures.

Nat. Register Status: Not Significant

Justification: Site lacks depth potential and context integrity. This site does not meet the standards for significance under criterion d established in 36 FR 60.6.

Recommendation: Avoidance.

Site 42DC 1156 (see Maps 3 and 10)

Site consists of dispersed lithic scatter of about five fragments of debitage and a Paleoindian point midsection (see Figure 1A) that may be a portion of an Eden point. This site is located on a flat surface southeast of an isolated low knoll. The artifacts are all localized Parachute Creek chert.

Nat. Register Status: Not Significant

Justification: Site lacks depth potential and context integrity. This site does not meet the standards for significance under criterion d established in 36 FR 60.6.

Recommendation: Avoidance.

Site 42DC 1157 (see Maps 3 and 11)

Site consists of scoured rock shelter-ledge complex with an associated lithic scatter of 5+ fragments of Parachute Creek chert debitage. Also observed on the site was a single, simple biface or chopper exhibiting alternate flaking. Similar tools have been observed in Paleoindian through Middle Archaic large game butchering contexts.

Nat. Register Status: Not Significant

Justification: Site lacks depth potential and context integrity. This site does not meet the standards for significance under criterion d established in 36 FR 60.6.

Recommendation: Avoidance.

Site 42DC 1158 (see Maps 3 and 12)

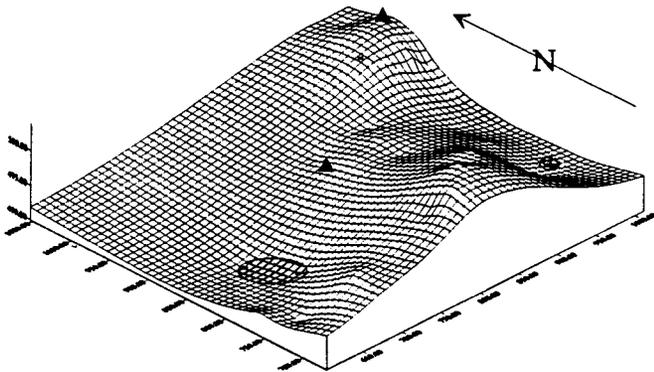
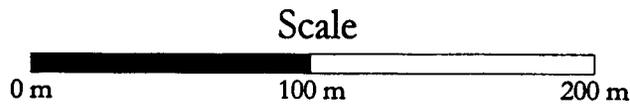
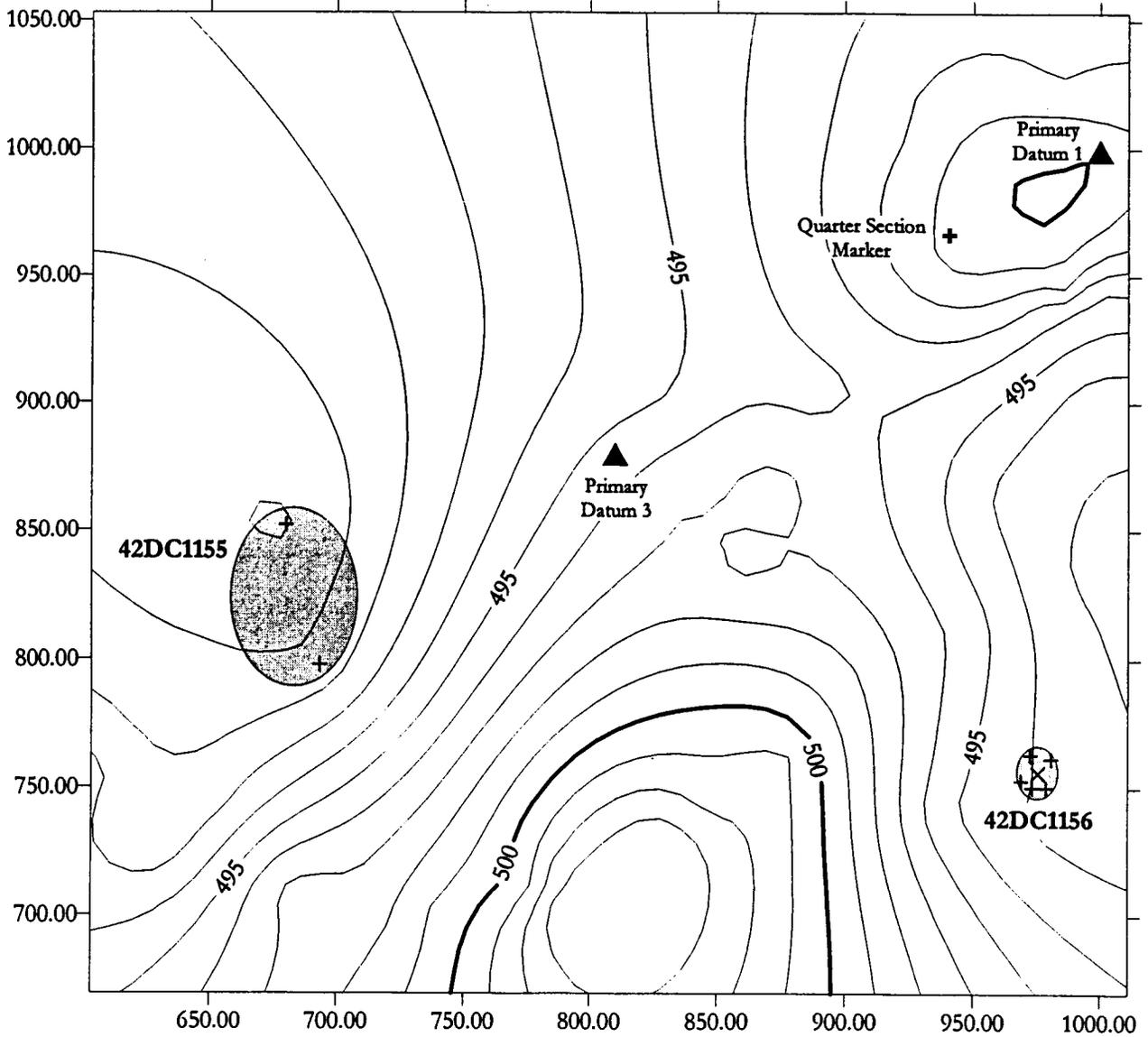
Site consists of series of scoured rock shelters, an associated lithic scatter, one complete projectile point and a point midsection, biface tools and hearths. Parachute Creek chert tools and debitage predominate on the site. Features include three hearths and rock shelters. A complete projectile point of Plano through Early Archaic manufacture and a Paleoindian point midsection were collected (see Figures 1B and 1C).

Nat. Register Status: Significant

Justification: Site contains depth potential and context integrity. This site meets the standards for significance under criterion d established in 36 FR 60.6.

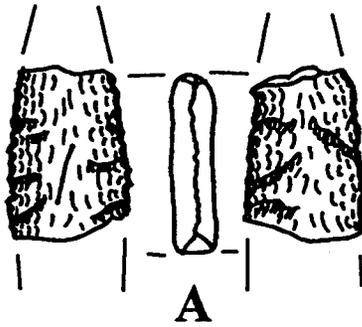
Recommendation: Avoidance during any surface development related to Units 14-3 and 15-3.

MAP 10: SITES 42DC 1155 & 42DC 1156

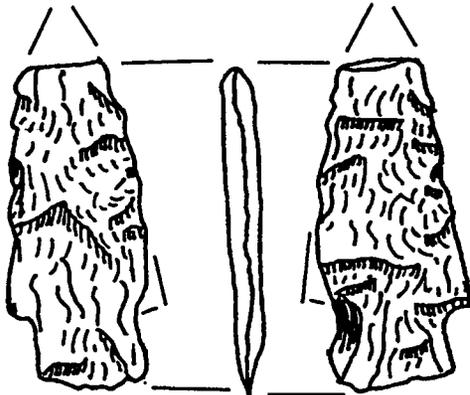


Legend

- ▲ Datum Location
- × Artifact Location
- + Quarter Section Marker
- Extent of Site

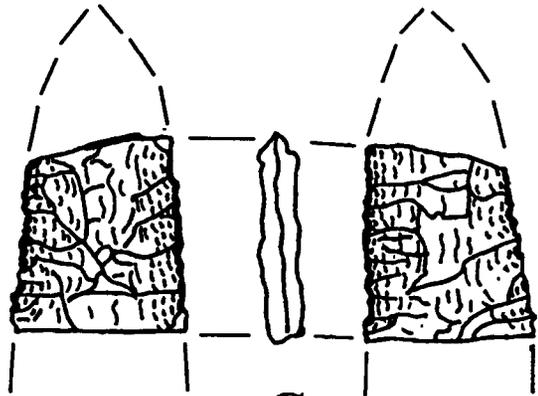


42DC 1156
(FS-1022)



B
FS-1012

42DC 1158



C
FS-1007

42DC1159
FS-1011

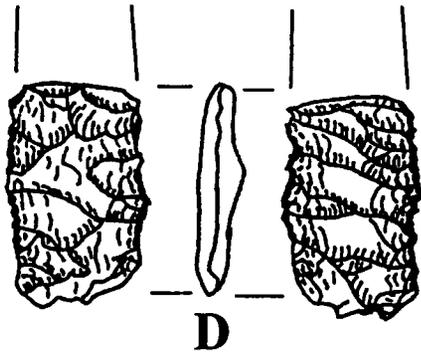
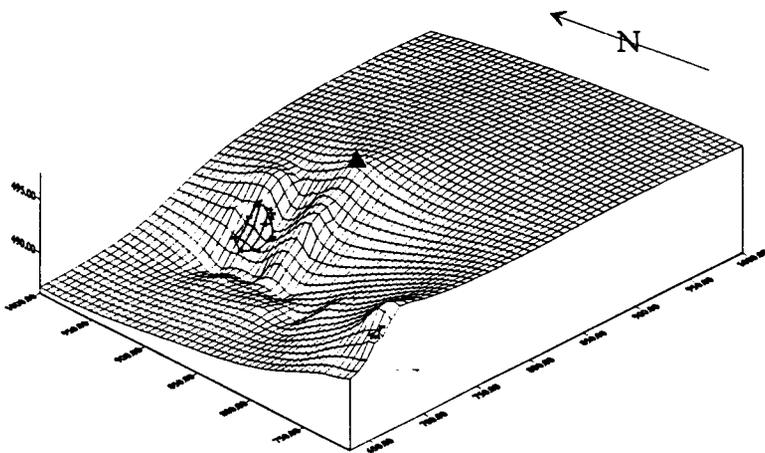
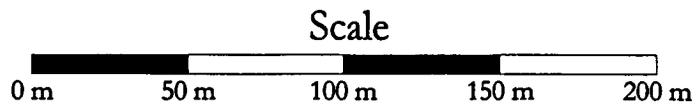
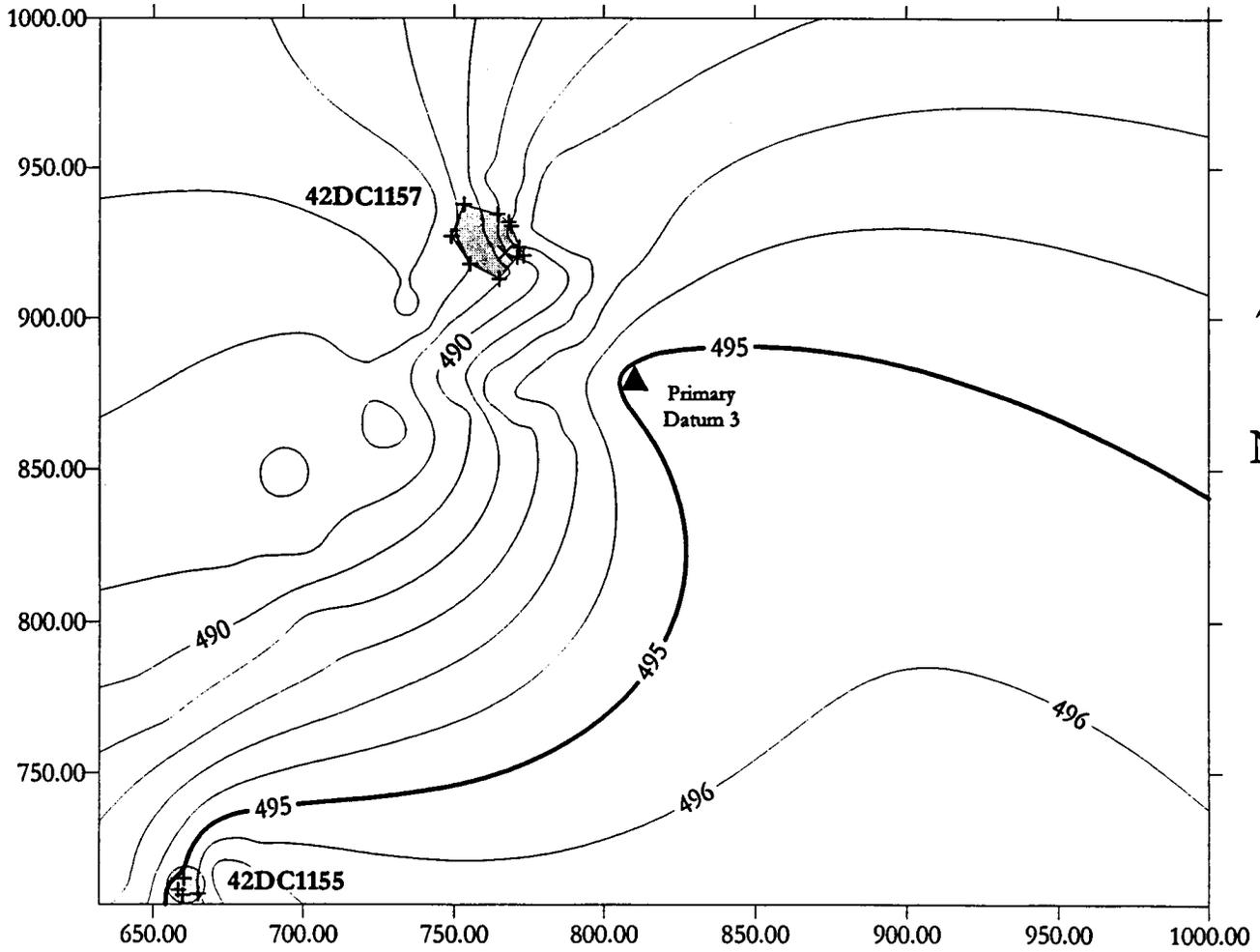


FIGURE 1

MAP 11: SITE 42DC 1157

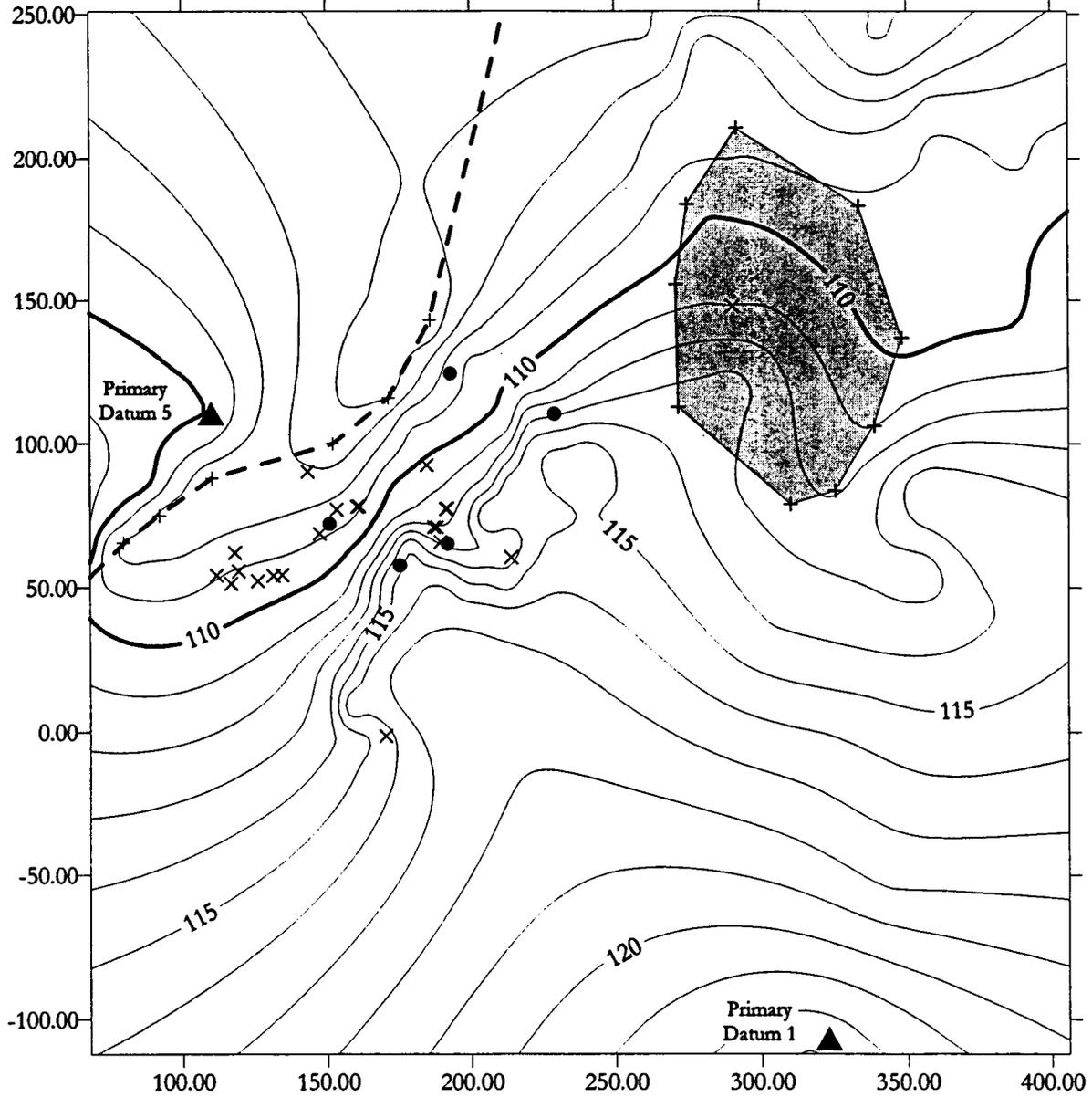
19



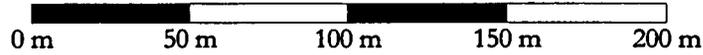
Legend

- ▲ Datum Location
- × Artifact Location
- Extent of Site

MAP 12: SITE 42DC 1158

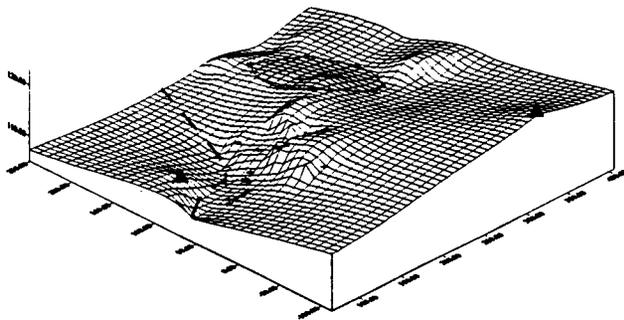


Scale



Legend

- ▲ Datum Location
- × Artifact Location
- Feature
- Drainage Channel
- Artifact Concentration



Site 42DC 1159 (see Maps 3 and 13)

Site consists of dispersed lithic scatter located on the western slope drainage area of an isolated low knoll. Artifacts include Parachute Creek chert debitage, two bifaces and a Paleoindian (Goshen style) projectile point base (see Figure 1D).

Nat. Register Status: Significant

Justification: Site contains depth potential and context integrity. This site meets the standards for significance under criterion d established in 36 FR 60.6.

Recommendation: Avoidance during any surface development related to Unit 15-3.

Site 42DC 1160 (see Maps 3 and 14)

Site consists of dispersed lithic scatter located in a shallow drainage area southeast of an isolated low knoll. Artifacts include Parachute Creek chert debitage, a unifacially retouched scraper and a core/chopper and projectile point (see Figure 2A) that was located some outside the main lithic scatter. The dart point appears to be an Elko Eared variety which correlates with the Early Archaic occupational phase of the Uinta Basin.

Nat. Register Status: Not Significant

Justification: Site lacks depth potential and context integrity. This site does not meet the standards for significance under criterion d established in 36 FR 60.6.

Recommendation: Avoidance.

Site 42DC 1161 (see Maps 3 and 15)

Site consists of an open occupation and lithic scatter located on a low ridge. Artifacts include a Paleoindian 'Alberta' point (see Figure 2B) and a number of bifaces. The dominant lithic material type is the local float consisting of Parachute Creek chert.

Nat. Register Status: Significant

Justification: Site contains depth potential and context integrity. This site meets the standards for significance under criterion d established in 36 FR 60.6.

Recommendation: Avoidance during any surface development related to Unit 16-3.

Site 42DC 1162 (see Maps 3 and 16)

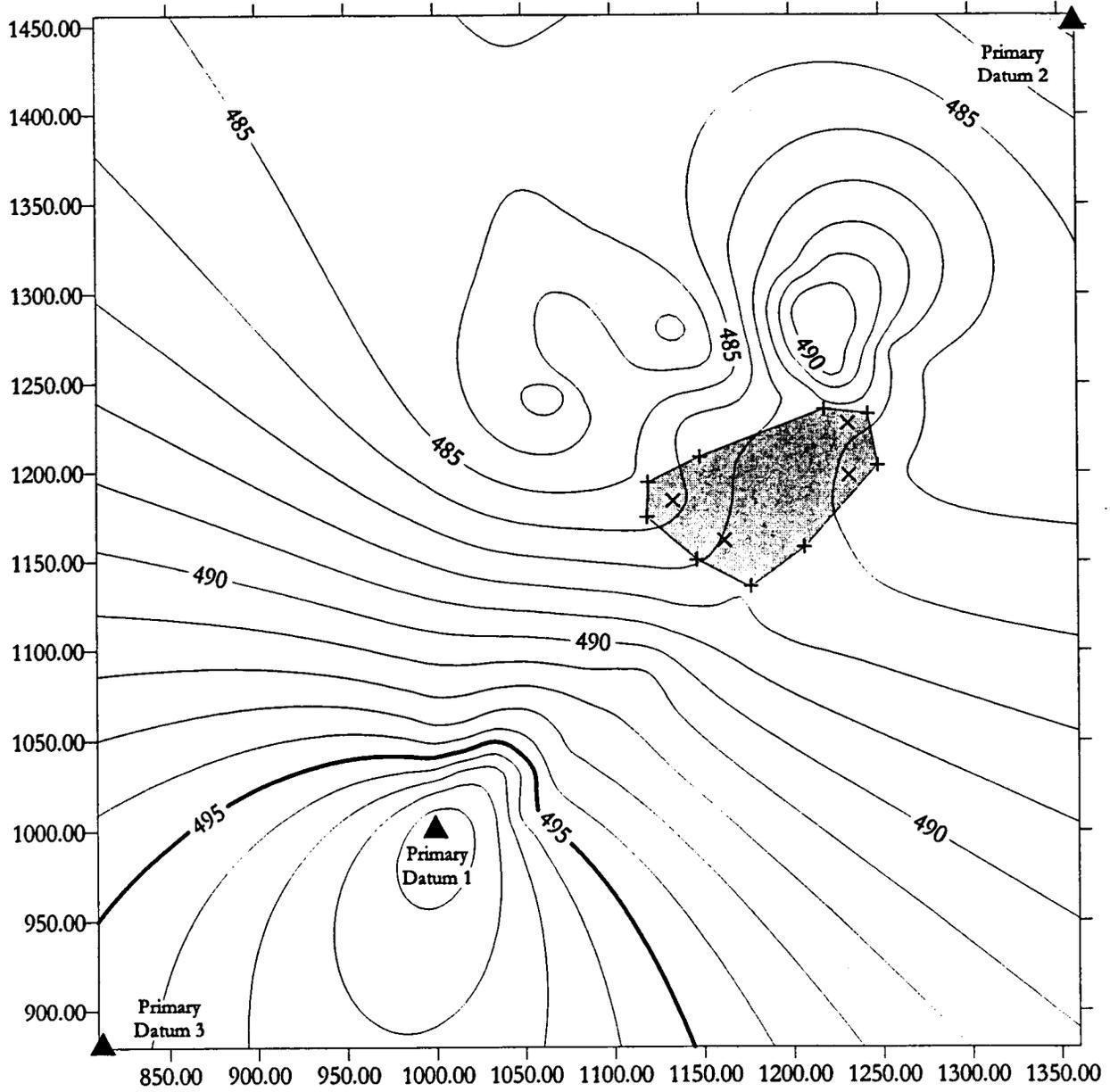
Site consists of an open occupation and lithic scatter located on a low ridge and into an adjacent plain to the south. Artifacts include a quartzite hammerstone, Parachute Creek chert cores, two bifaces and lithic debitage in all stages of lithic tool manufacture. The dominant lithic material type is Parachute Creek chert debitage.

Nat. Register Status: Significant

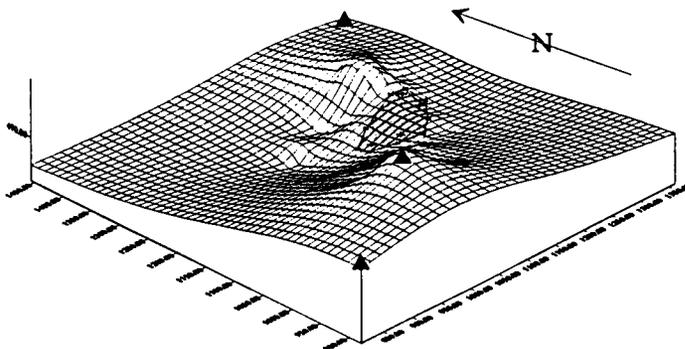
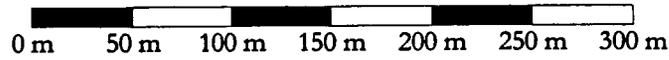
Justification: Site contains depth potential and context integrity. This site meets the standards for significance under criterion d established in 36 FR 60.6.

Recommendation: Avoidance during any surface development related to Unit 9-3.

MAP 13: SITE 42DC 1159

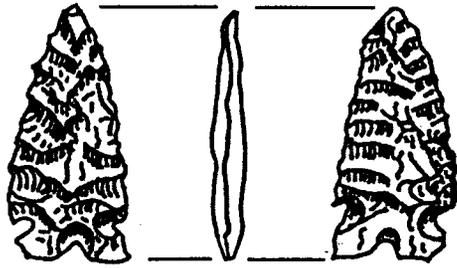


Scale

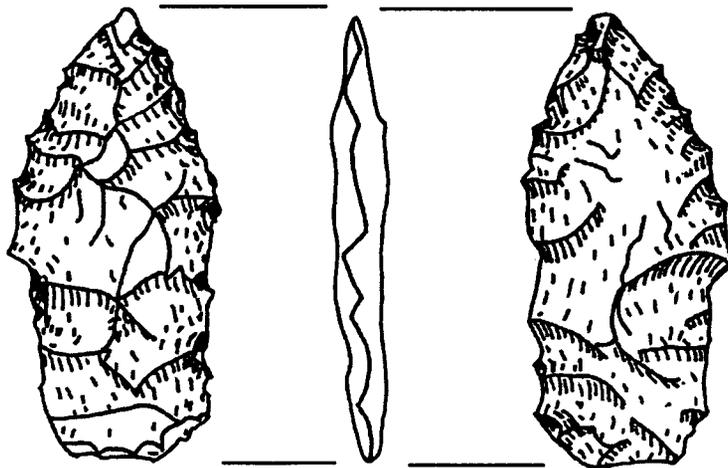


Legend

- ▲ Datum Location
- × Artifact Location
- Extent of Site



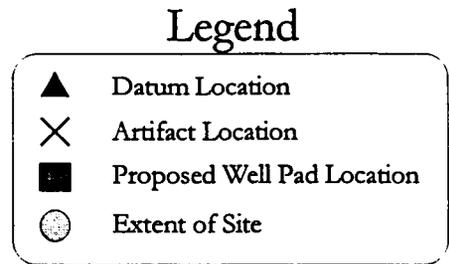
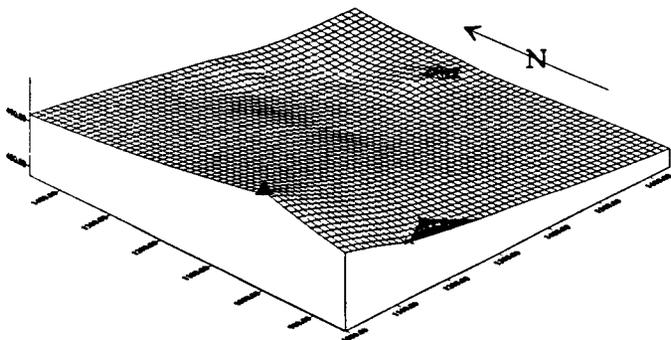
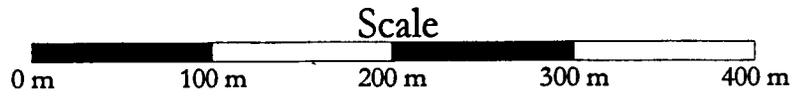
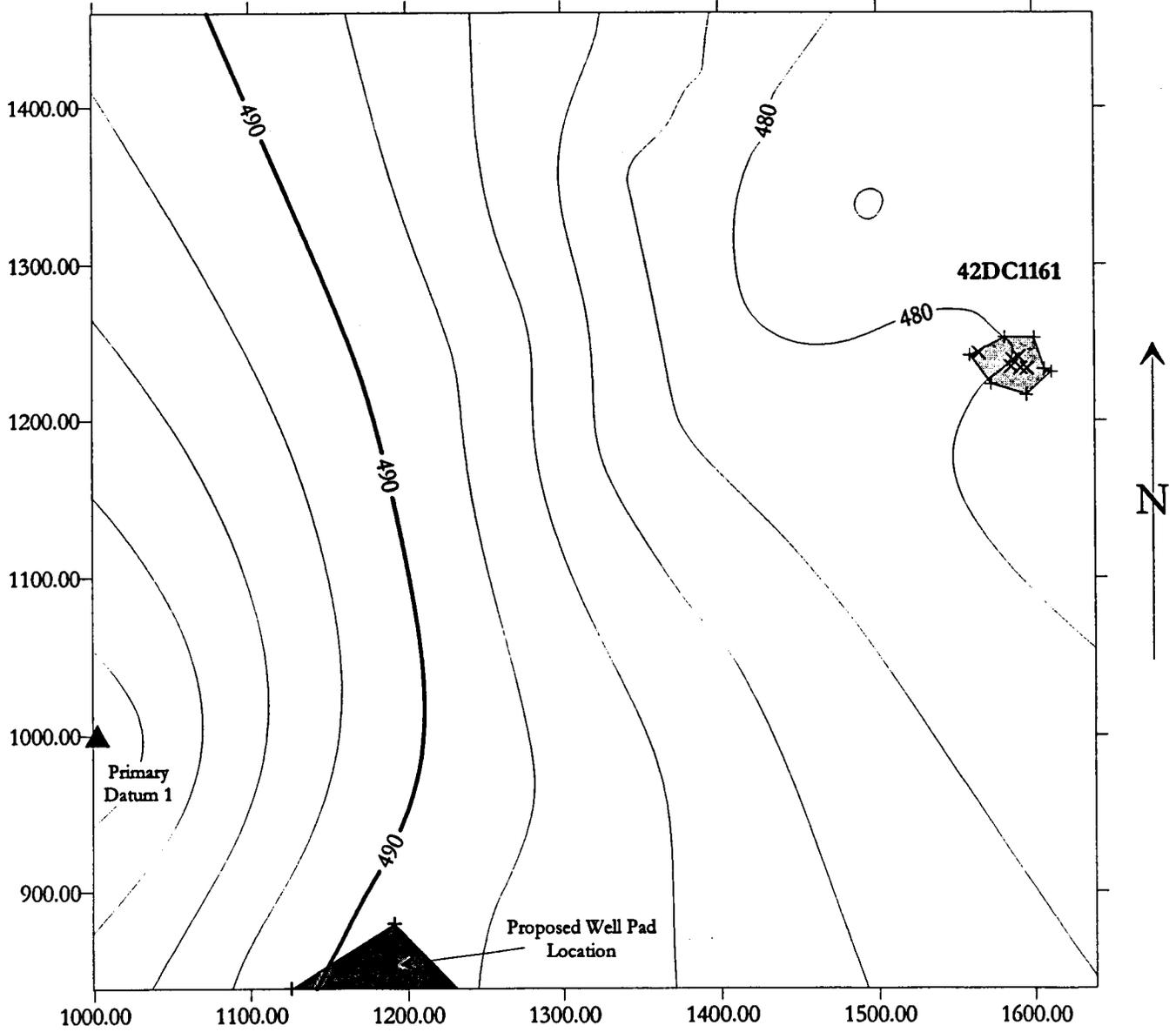
A
42DC 1160
(FS-1031)



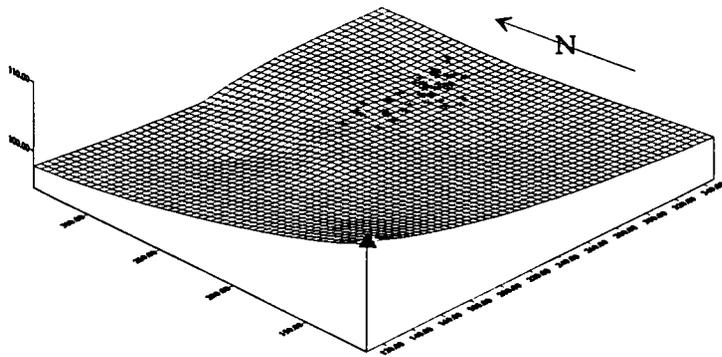
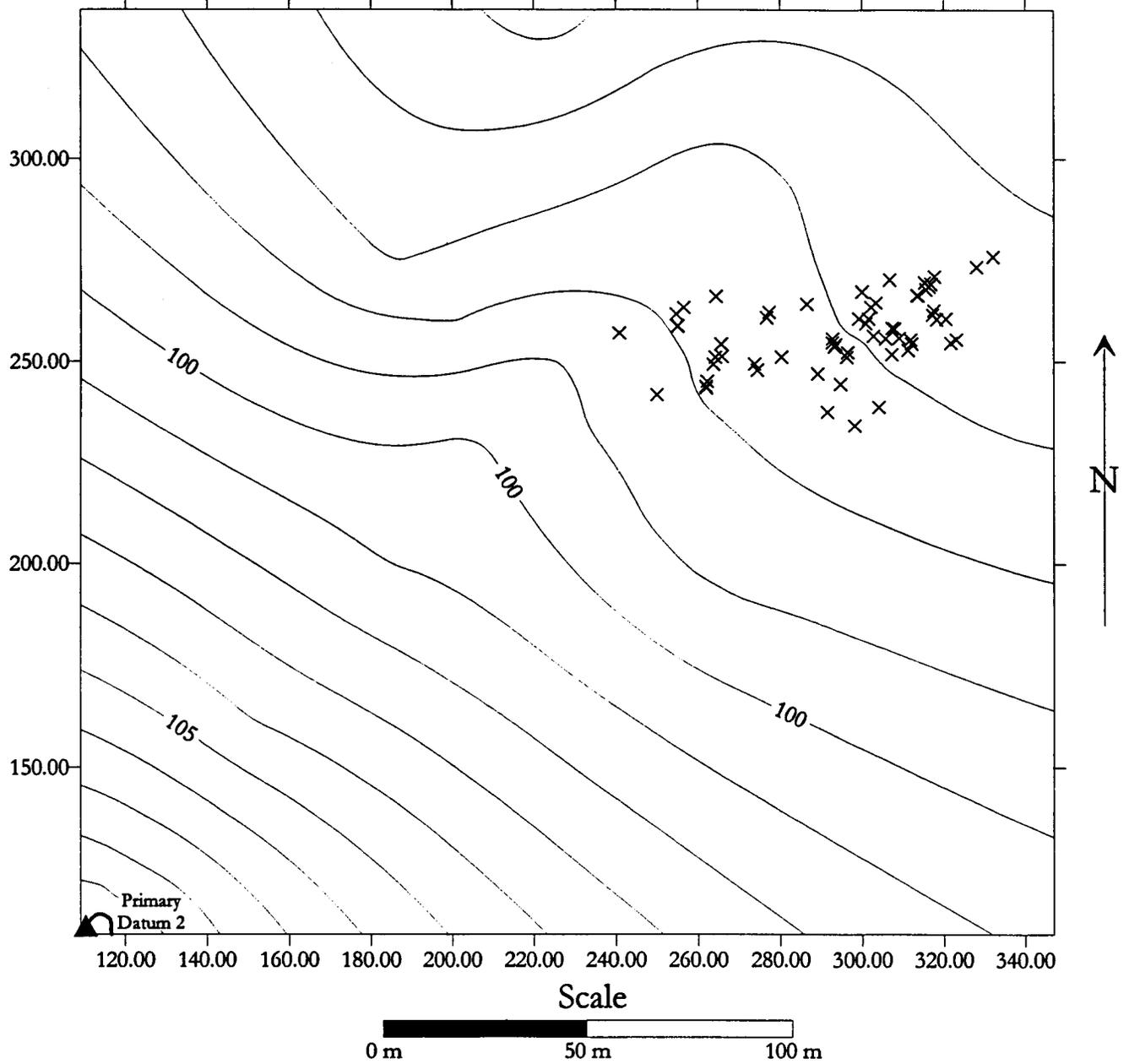
B
42DC 1161

FIGURE 2

MAP 15: SITE 42DC 1161



MAP 16: SITE 42DC 1162



Legend

- ▲ Datum Location
- × Artifact Location

Site 42DC 1163 (see Maps 3 and 17)

Site consists of a lithic scatter located on a sandy plain with a gradual slope on and around an isolated outcrop. Artifacts are limited to Parachute Creek chert debitage in all stages of lithic tool reduction and manufacture.

Nat. Register Status: Not Significant

Justification: Site lacks depth potential and context integrity. This site does not meet the standards for significance under criterion d established in 36 FR 60.6.

Recommendation: Avoidance.

Site 42DC 1164 (see Maps 3 and 18)

Site consists of a dispersed lithic scatter located in and near a shallow drainage at the bottom of a steep hill. Artifacts include Parachute Creek chert debitage in all stages of lithic tool manufacture and several choppers and scrapers.

Nat. Register Status: Not Significant

Justification: Site lacks depth potential and context integrity. This site does not meet the standards for significance under criterion d established in 36 FR 60.6.

Recommendation: Avoidance.

Site 42DC 1165 (see Maps 3 and 19)

Site consists of a dispersed scatter of lithic debitage, tools, ground stone and several deflated hearth scatters located on a ledge near the bottom of a slope. Ledges run westward from the site with scattered artifacts along the top and bottom of the ledge complex. Parachute Creek chert is predominate on the site.

Nat. Register Status: Not Significant

Justification: Site lacks depth potential and context integrity. This site does not meet the standards for significance under criterion d established in 36 FR 60.6.

Recommendation: Avoidance.

Site 42DC 1166 (see Maps 3 and 20)

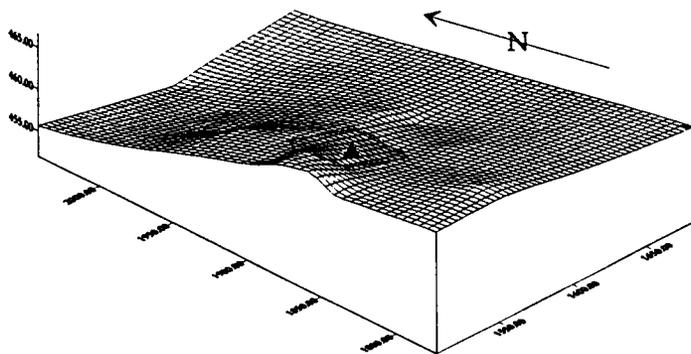
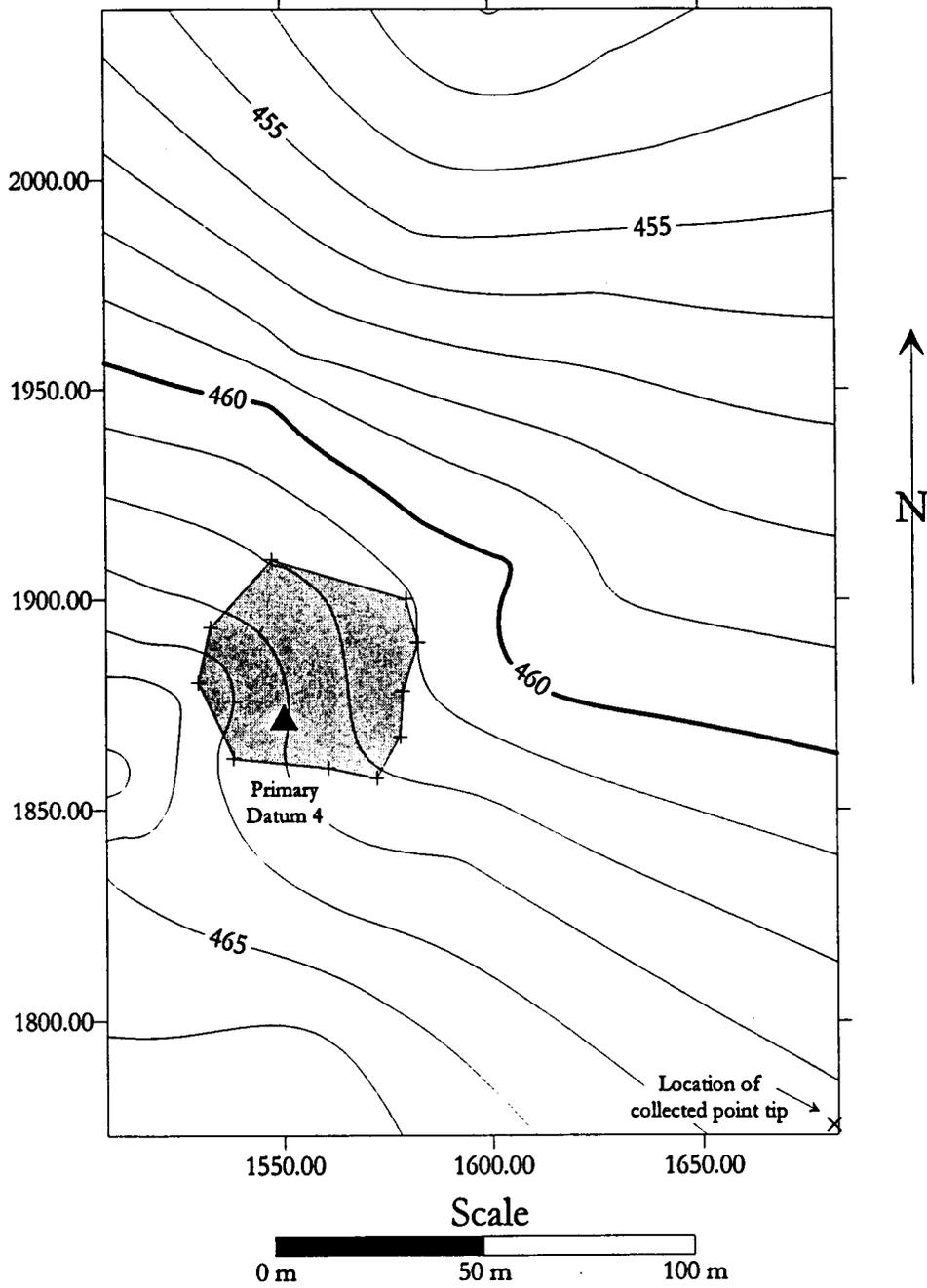
Site consists of a dispersed lithic scatter located in and near a shallow drainage at the bottom of a steep hill. Artifacts include Parachute Creek chert debitage in all stages of lithic tool manufacture and several choppers and scrapers.

Nat. Register Status: Not Significant

Justification: Site lacks depth potential and context integrity. This site does not meet the standards for significance under criterion d established in 36 FR 60.6.

Recommendation: Avoidance.

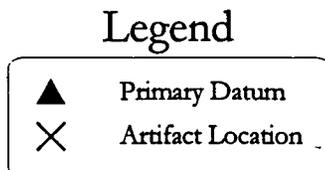
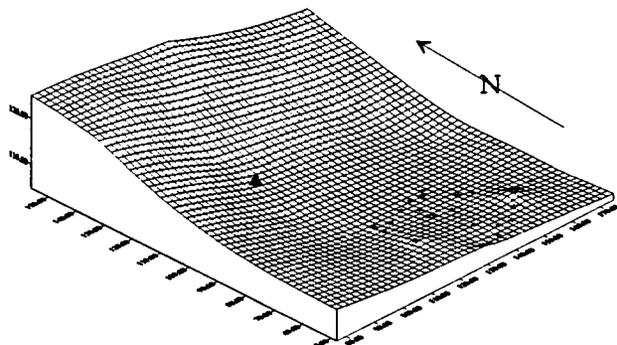
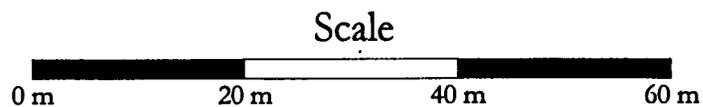
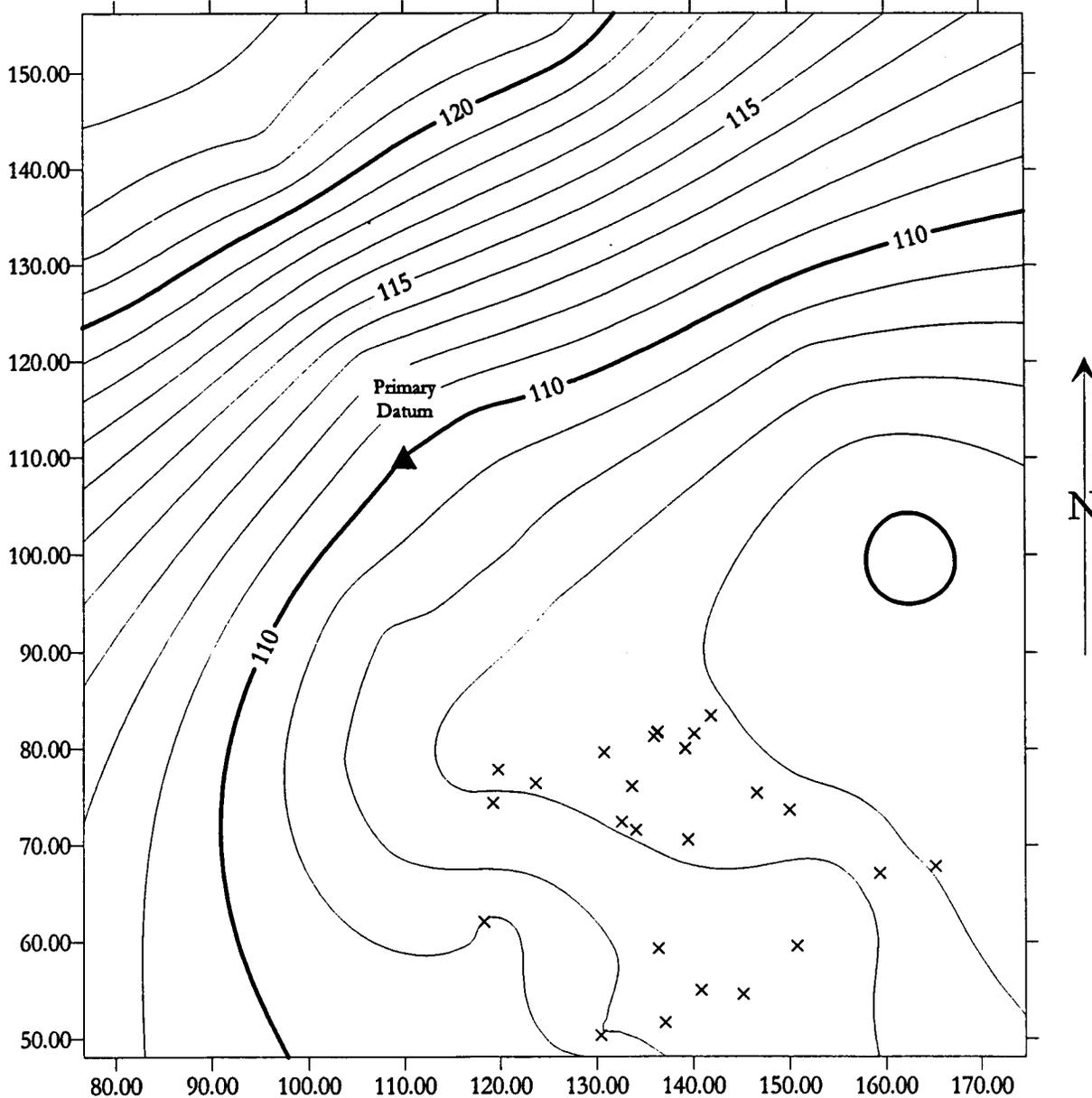
MAP 17: SITE 42DC 1163



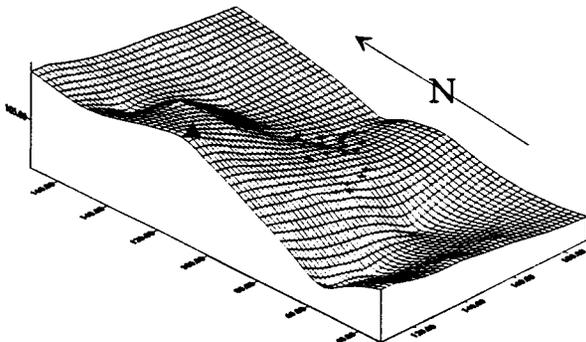
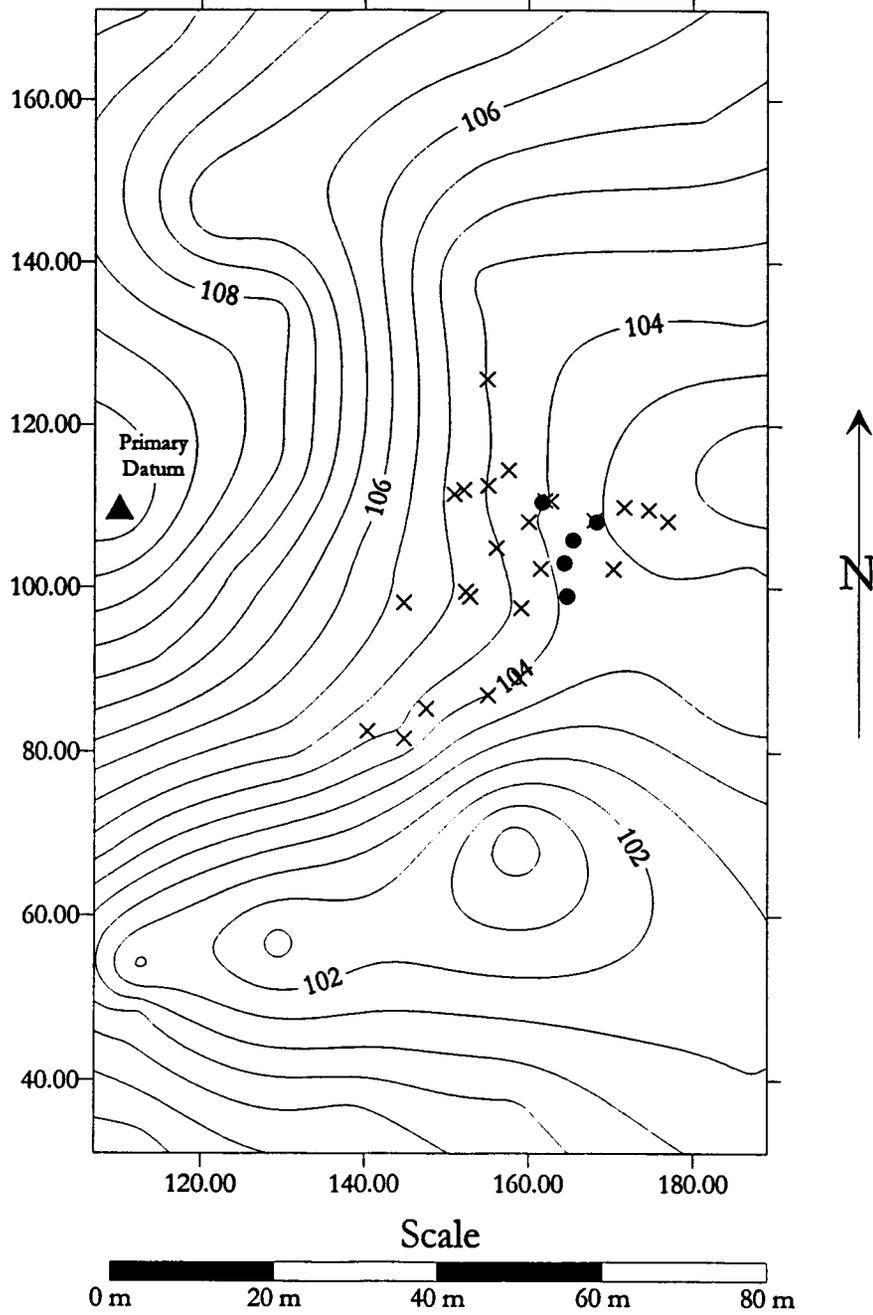
Legend

- ▲ Datum Location
- × Artifact Location
- Extent of Site

MAP 18: SITE 42DC 1164



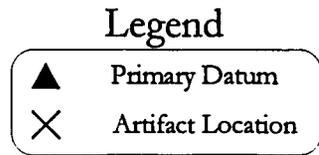
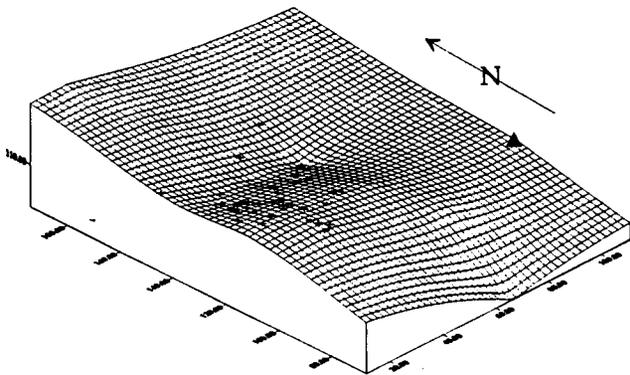
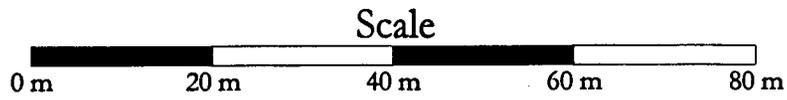
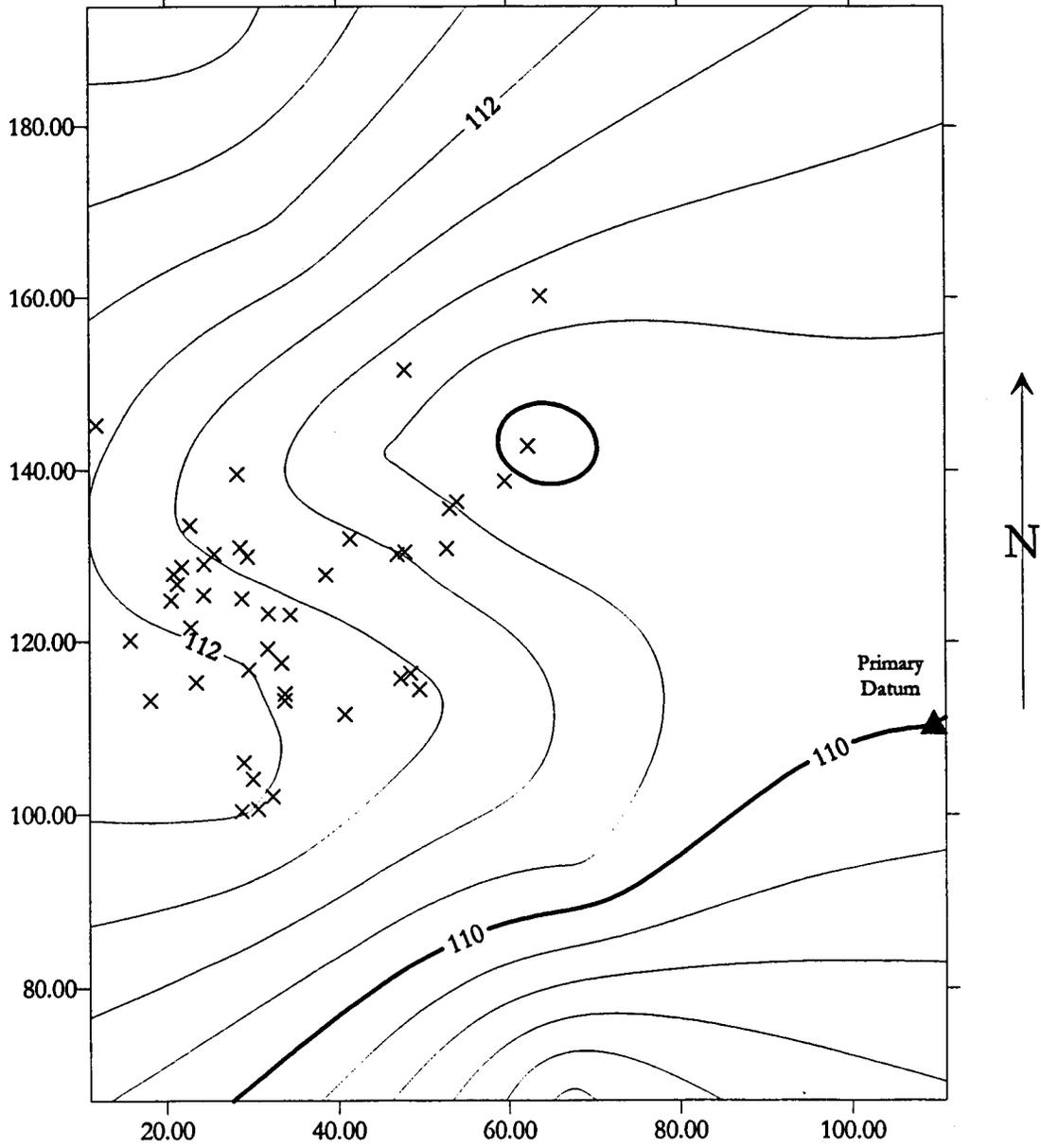
MAP 19: SITE 42DC 1165



Legend

- ▲ Primary Datum
- × Artifact Location
- Feature

MAP 20: SITE 42DC 1166



Site 42DC 1171 (see Maps 2 and 21)

Site 42DC 1171 consists of a limited scatter of lithic around and below a low sandstone ledge on a hill slope. Artifacts recorded at the site consist a few flakes of lithic debitage and two discrete concentrations of oxidized sandstone fragments. The site possesses marginal depth potential. No diagnostic artifacts were observed on the site.

Nat. Register Status: Not Significant

Justification: Site lacks depth potential and context integrity. This site does not meet the standards for significance under criterion d established in 36 FR 60.6.

Recommendation: Avoidance.

Site 42DC 1174 (see Maps 5 and 22)

Site consists of an open occupation and lithic scatter located on a low bench. Artifacts include an Elko Eared or Pinto dart point (see Figure 3B) and a number of unifaces, bifaces (see Figure 3A), preforms and other tools. Lithic debitage includes waste from all stages of tool manufacture and reduction. The dominant lithic material type is parachute creek chert, which is commonly found in this locality as float. Site 42DC 1174 is probably related with nearby Site 42DC 1175.

Nat. Register Status: Significant

Justification: Site contains depth potential and context integrity. This site meets the standards for significance under criterion d established in 36 FR 60.6.

Recommendation: Avoidance during any surface development related to Unit 5-22.

Site 42DC 1175 (see Maps 6 and 23)

Site consists of a prehistoric lithic scatter located in a sandy swale above the drainage and flood plain. The scatter is roughly elliptical in configuration and very large occupying an area about 200 meters in length. A Rocker Side-notched dart point (see Figure 3C) was collected from the site. This variety of dart point was utilized during the Middle Archaic stage of occupation on the Colorado Plateau and Wasatch Plateau. No features were observed or recorded on this site. Isolate 1598R/x1 (see Figure 5D), an early Paleoindian projectile point probably of the Midland variety, was collected outside this site's northern periphery. Site 42DC 1175 is probably related with nearby Site 42DC 1174.

Nat. Register Status: Significant

Justification: Site contains depth potential and context integrity. This site meets the standards for significance under criterion d established in 36 FR 60.6.

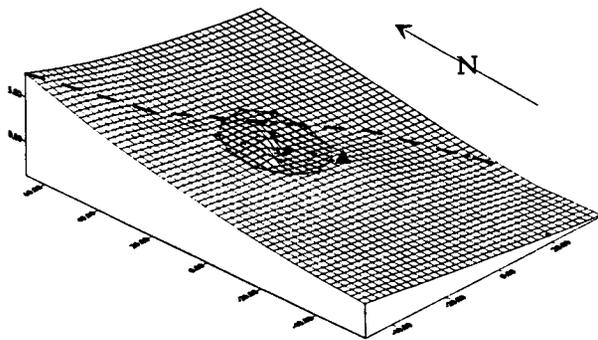
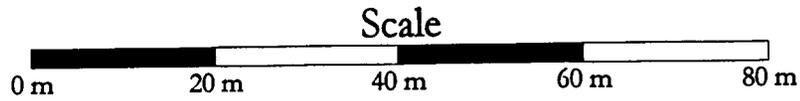
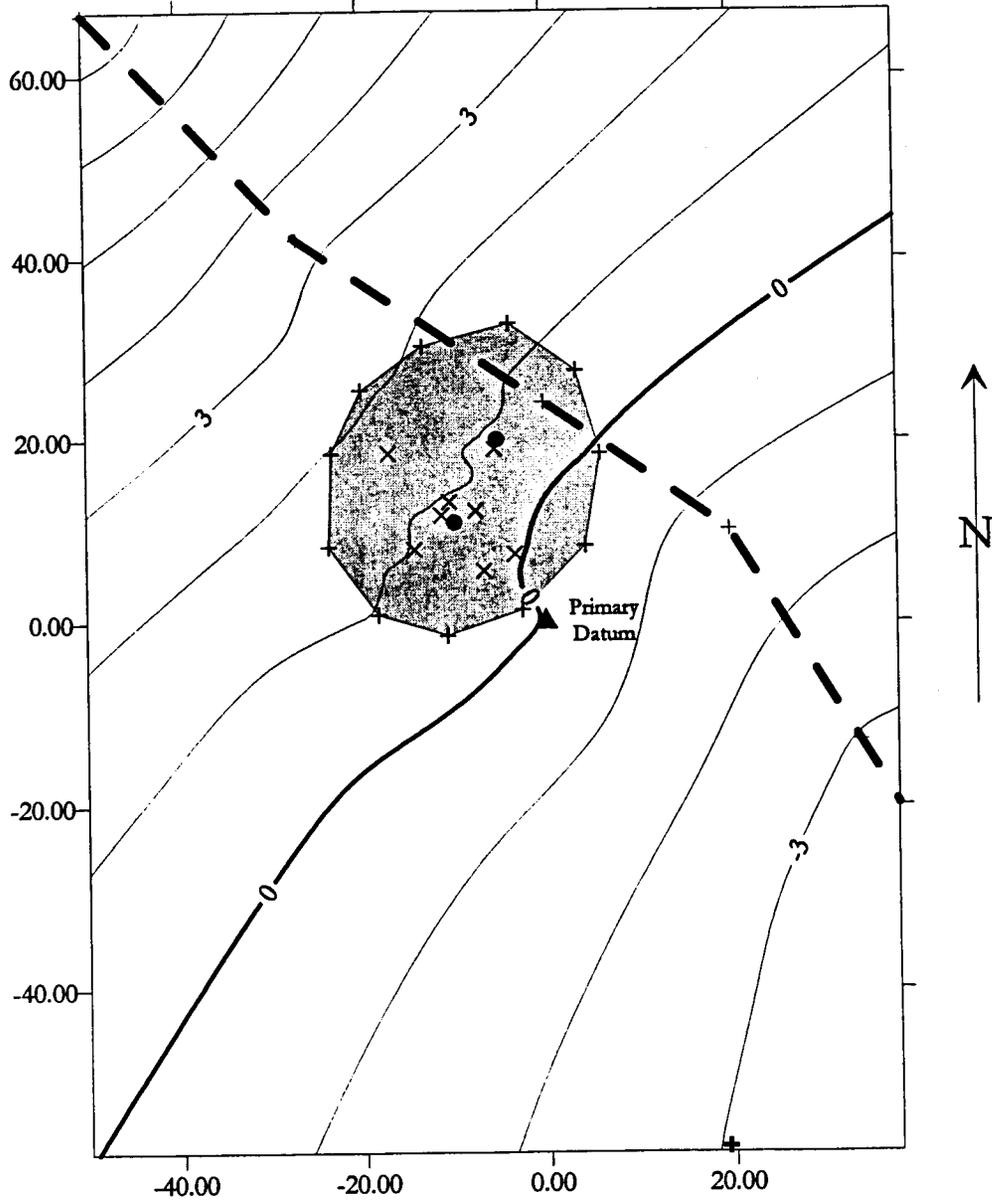
Recommendation: Avoidance during any surface development related to Unit 5-22.

Site 42DC 1176 (see Map 6)

Site consists of a small lithic scatter situated on the south bench above a large ephemeral drainage. The scatter is composed of five flakes and four expediency tools all of which probably represent a single use locus. No features were noted.

Nat. Register Status: Not Significant

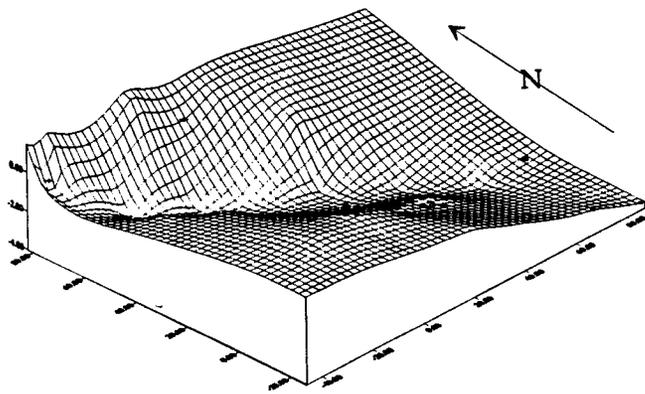
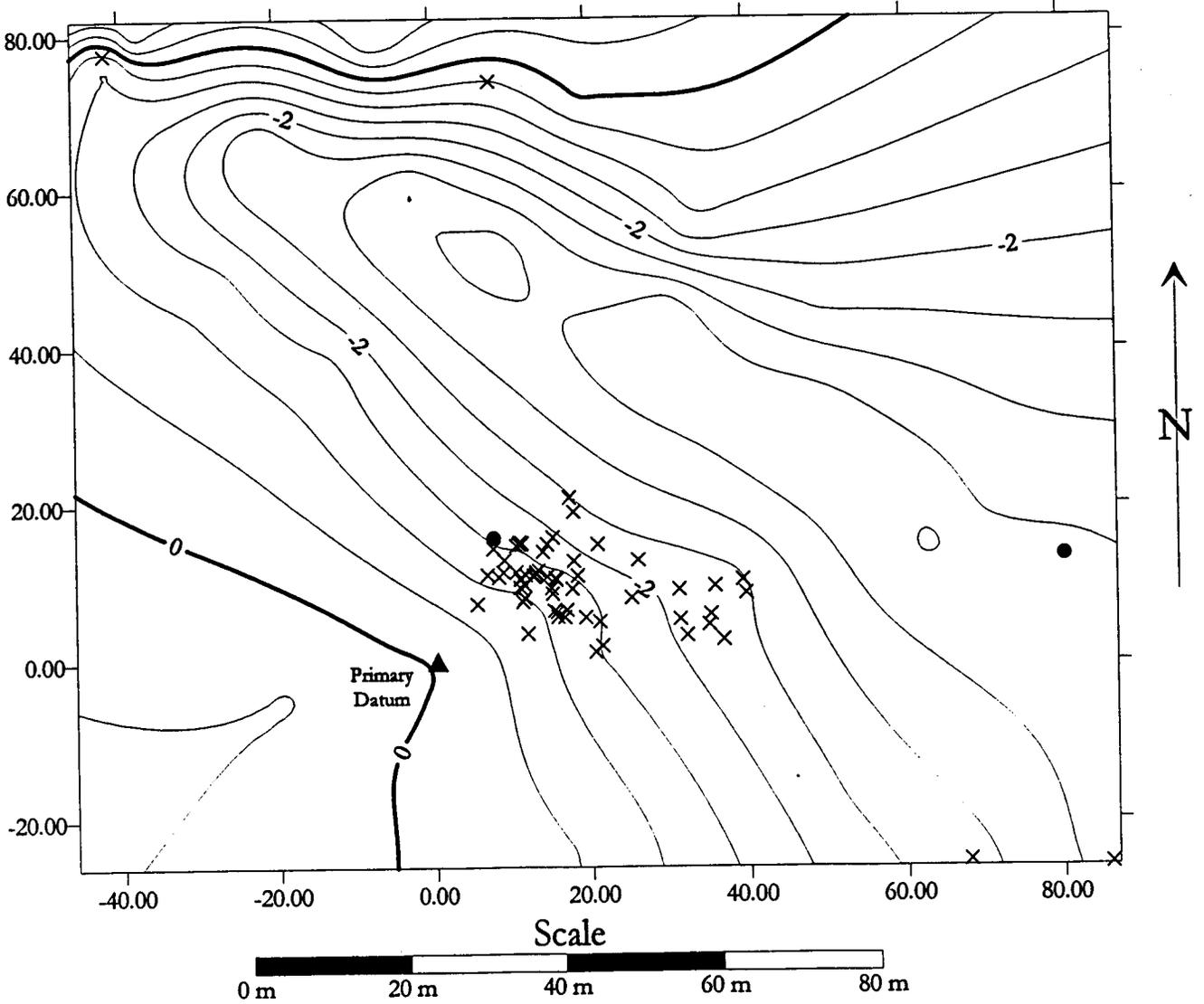
MAP 21: SITE 42DC 1171



Legend

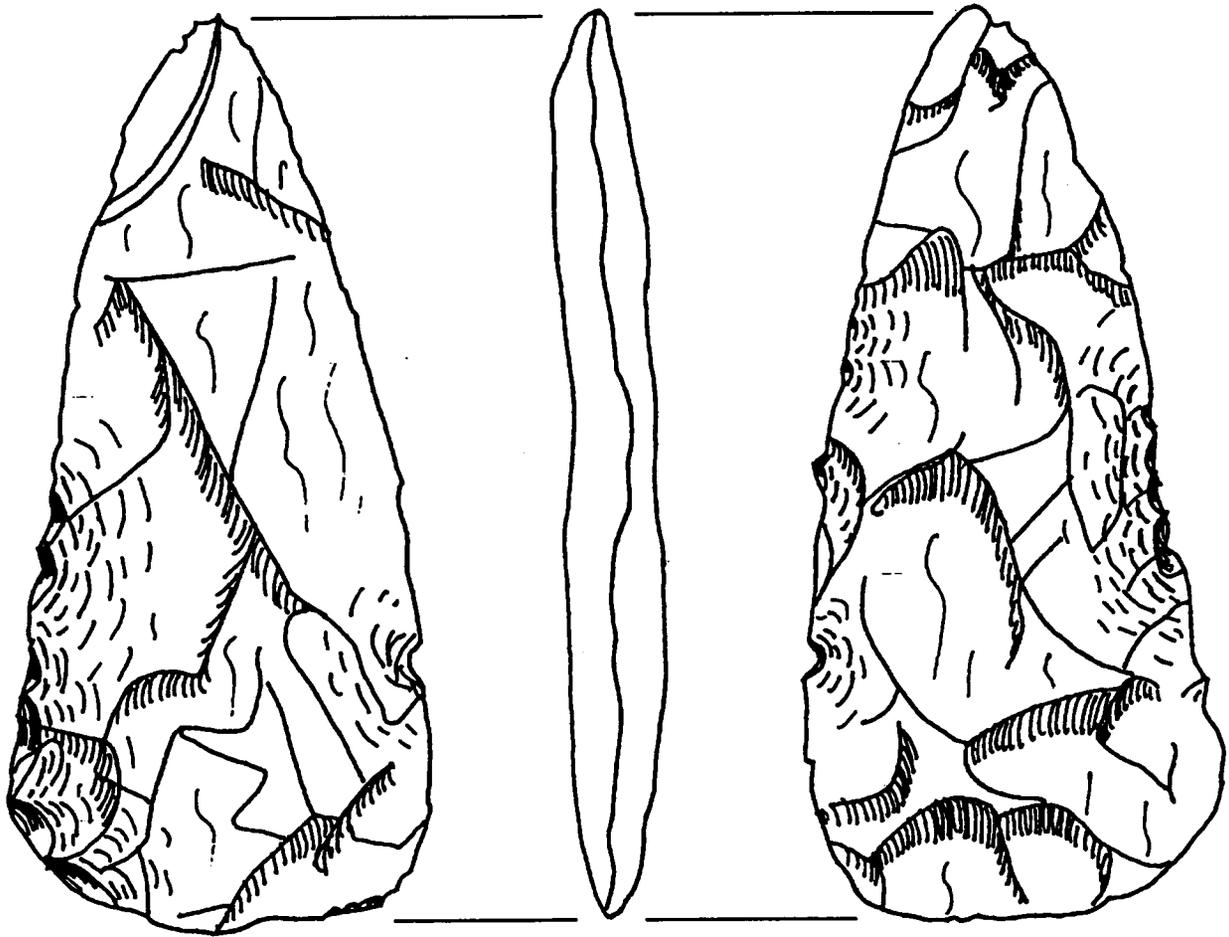
- ▲ Primary Datum
- × Artifact Location
- Hearth
- + Well-head Location
- - - Access Road
- Extent of Site

MAP 22: SITE 42DC 1174



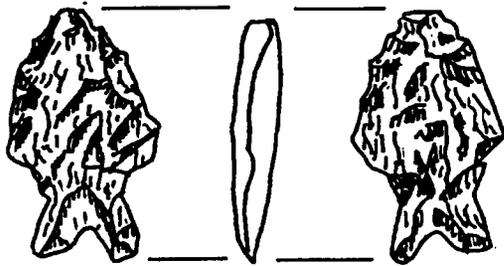
Legend

- ▲ Primary Datum
- × Artifact Location
- Hearth



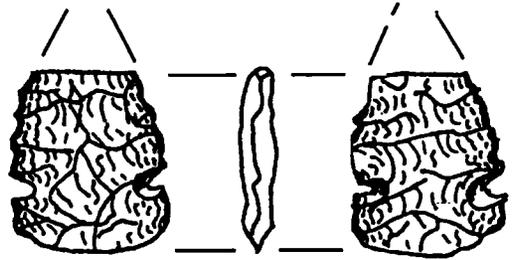
A

**42DC 1174
(FS-1033)**



B

**42DC 1174
(FS-1002)**

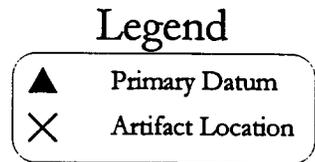
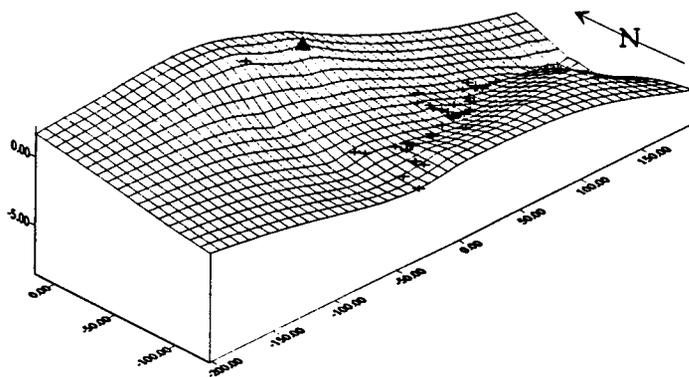
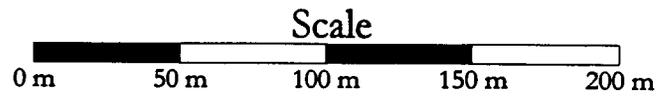
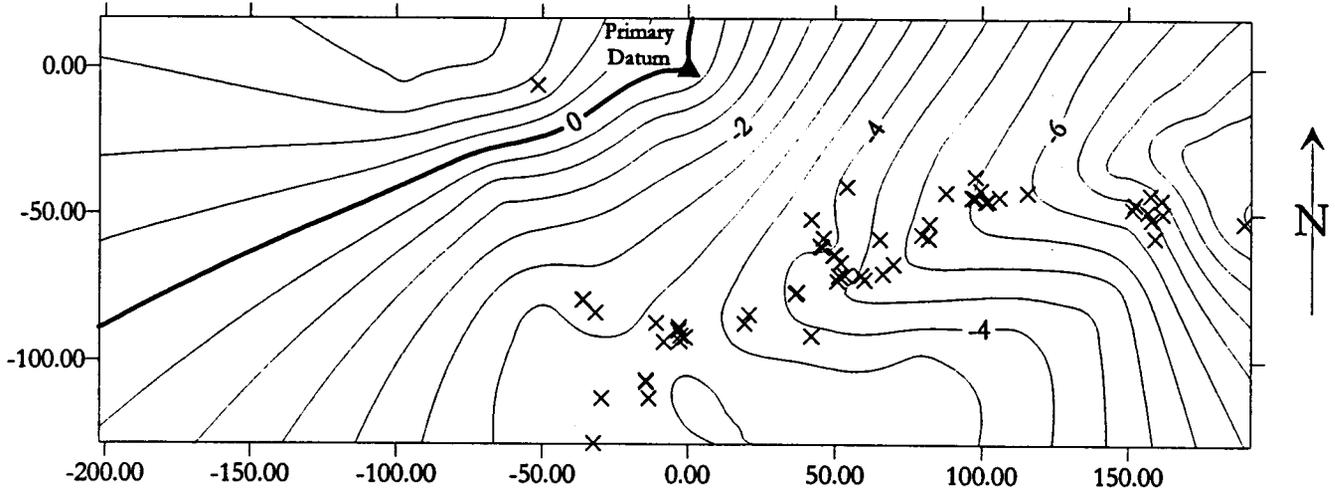


C

**42DC 1175
(FS-1038)**

FIGURE 3

MAP 23: SITE 42DC 1175



Justification: Site lacks depth potential and context integrity. This site does not meet the standards for significance under criterion d established in 36 FR 60.6.

Recommendation: Avoidance.

Site 42DC 1177 (see Maps 4 and 24)

This site consists of a dispersed lithic scatter of Parachute Creek Chert flakes, all highly patinated, lying on an eroded, hardpan clay, surface between a major drainage on the north and the stabilized dune complex associated with the mesa above and to the south. Debitage is mainly primary and secondary flakes of the tap and test or expediency tool manufacture variety.

Nat. Register Status: Not Significant

Justification: Site lacks depth potential and context integrity. This site does not meet the standards for significance under criterion d established in 36 FR 60.6.

Recommendation: Avoidance.

Site 42UN 2532 (see Map 4)

The site consists of a diffuse scatter of lithic debitage, cores and bifaces or choppers. The majority of artifacts are of the tap-and-test variety of cores and primary flakes. The entire site area, which covers about 50 to 60 acres, is littered with artifacts and lithic materials and may have served as a lithic resource locus for the area.

Nat. Register Status: Not Significant

Justification: Site lacks depth potential and context integrity. This site does not meet the standards for significance under criterion d established in 36 FR 60.6.

Recommendation: Avoidance.

Site 42UN 2533 (see Maps 4 and 25)

This site consists of a diffuse scatter of lithic debitage, cores, one biface and numerous scatters of oxidized and fire cracked rock. Two discreet, deflated hearth scatters were noted. Most debitage was noted in blowouts in thin sand deposits over bedrock. Some artifacts appear to be in original context, but little depth was noted.

Nat. Register Status: Not Significant

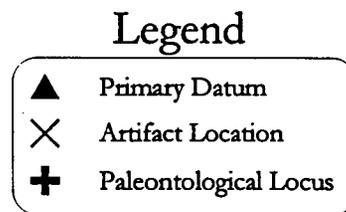
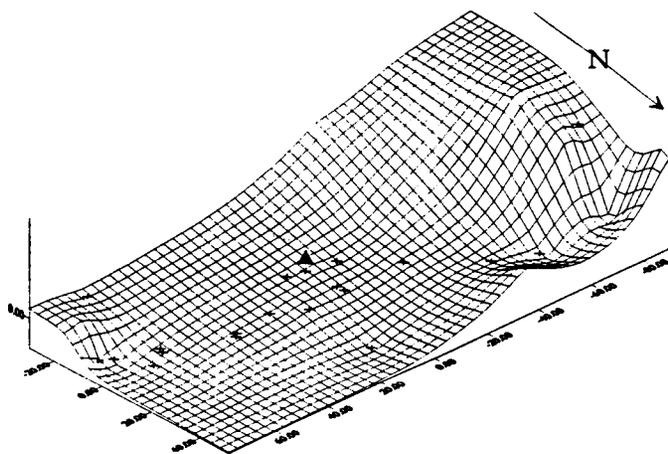
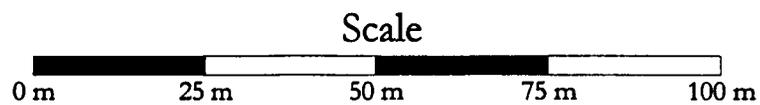
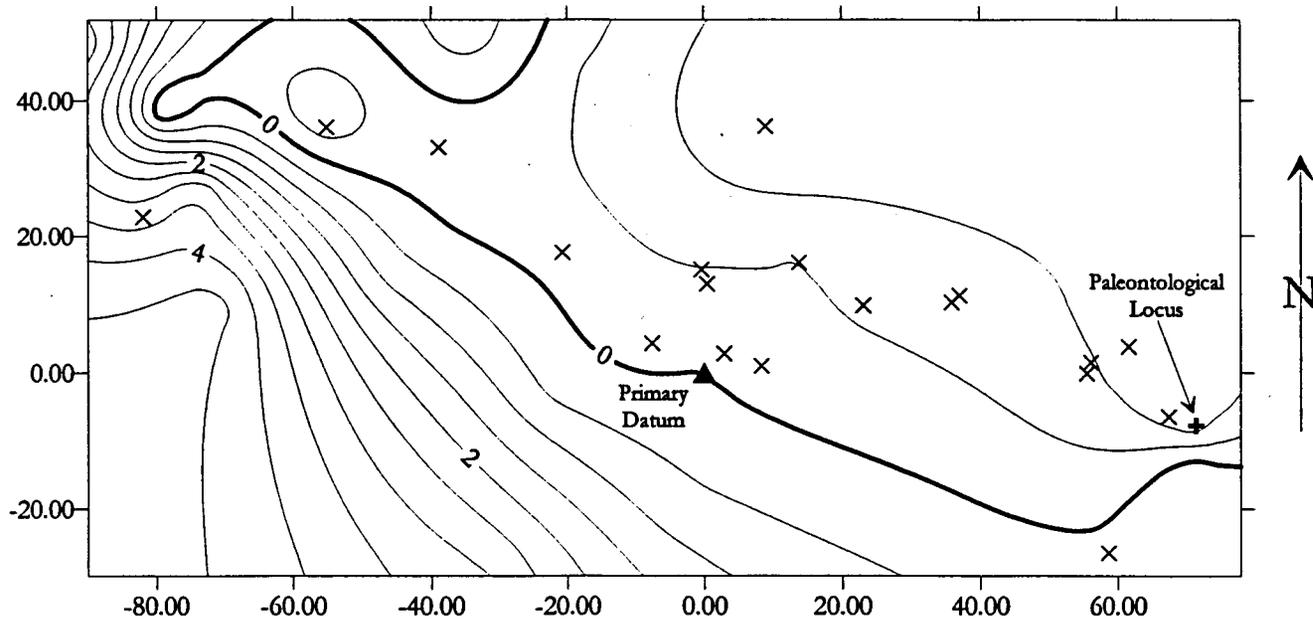
Justification: Site lacks depth potential and context integrity. This site does not meet the standards for significance under criterion d established in 36 FR 60.6.

Recommendation: Avoidance.

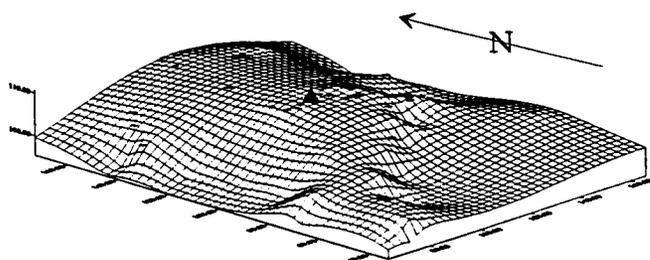
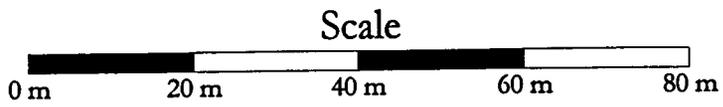
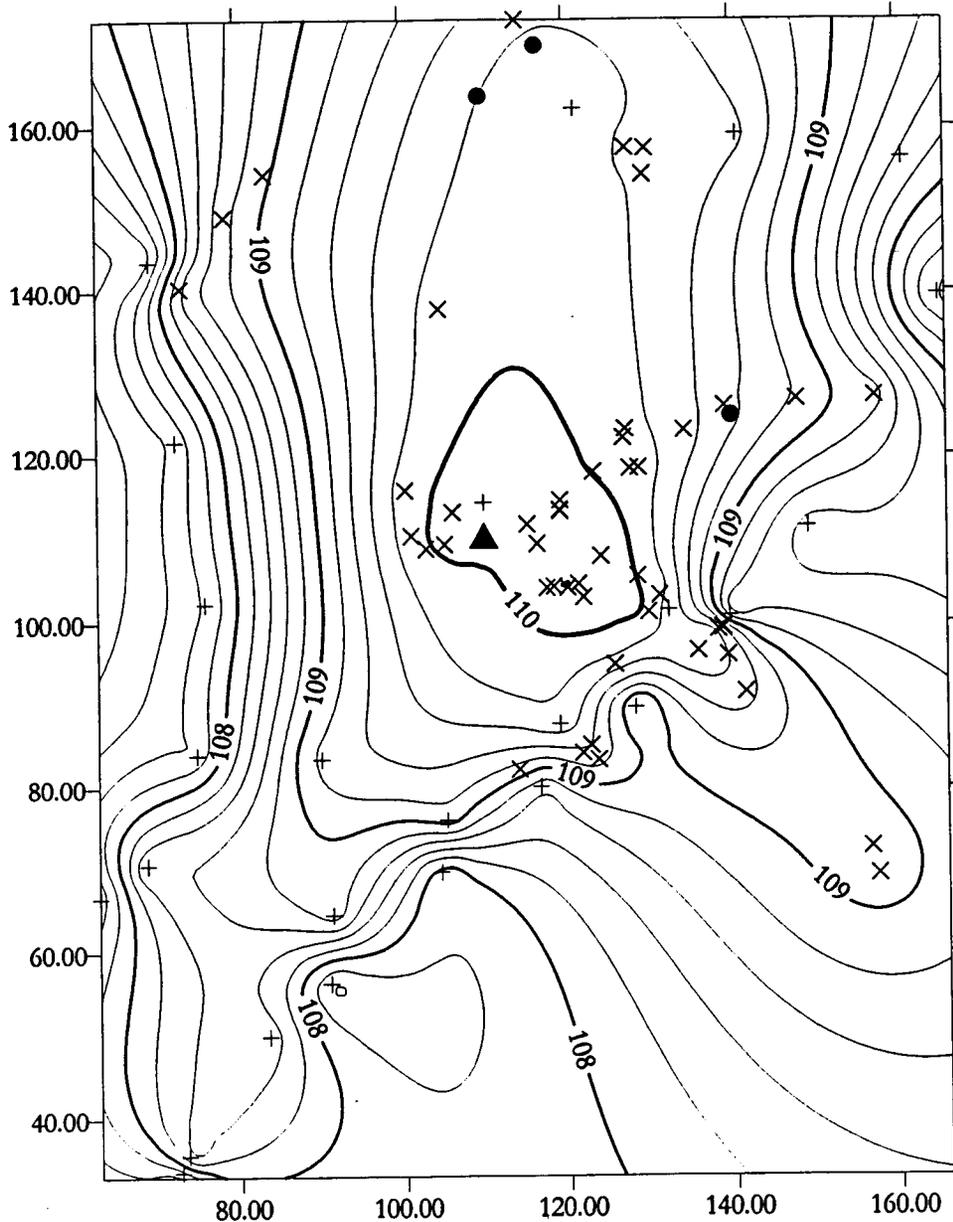
Site 42UN 2534 (see Maps 4 and 26)

The site consists of a shallow rock shelter/alcove with a scatter of oxidized stone leading from the shelter across a sandstone ledge bench. A diffuse scatter of lithic debitage, cores and bifaces or choppers also extends from the shelter area to the lip of the ledge. Erosion has removed all of the shelter deposits, and little of the bench contexts are intact. This site is part of an Archaic

MAP 24: SITE 42DC 1177



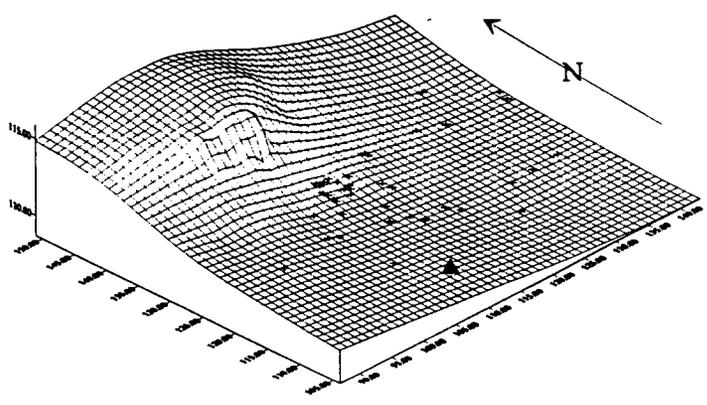
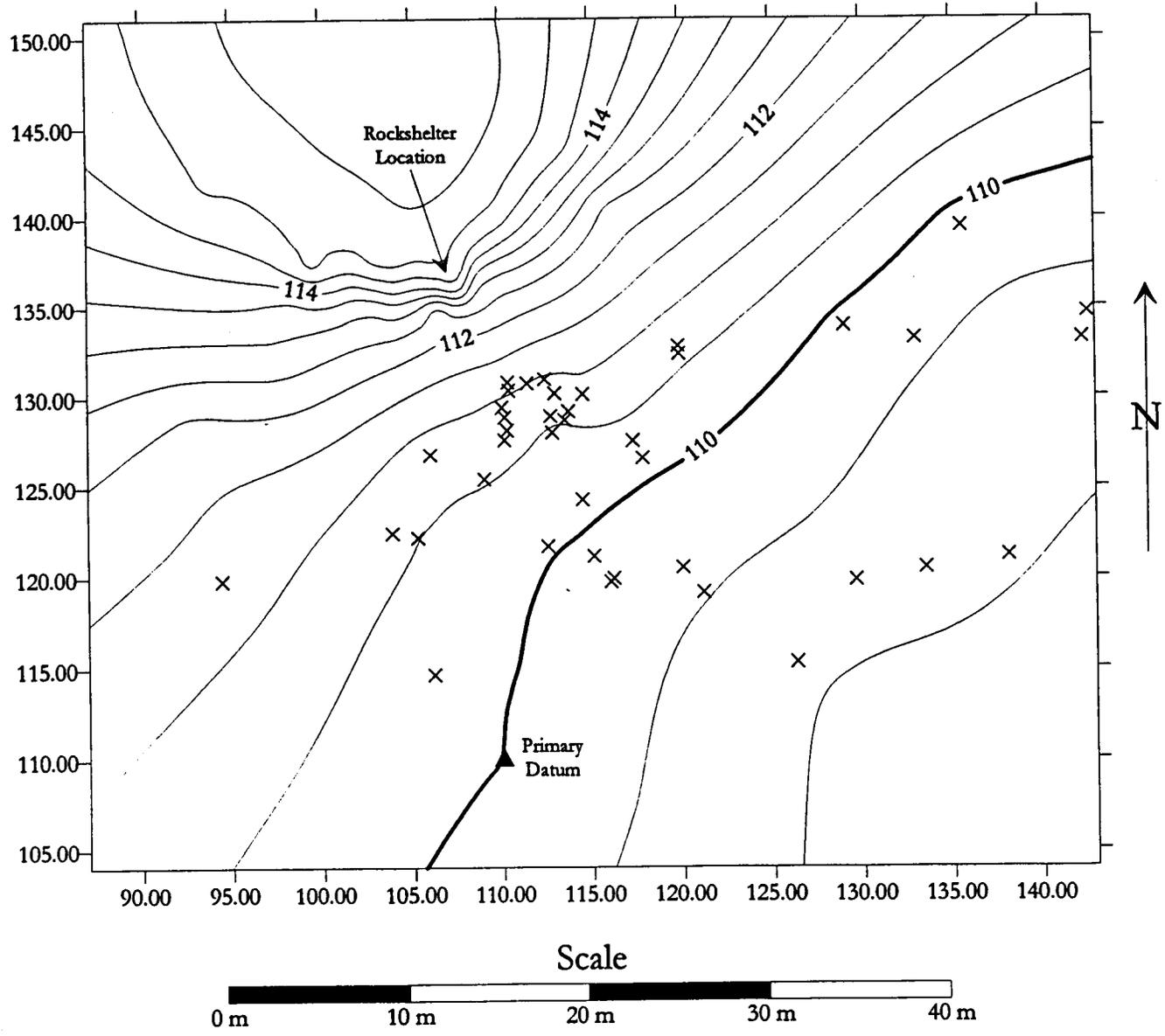
MAP 25: SITE 42UN 2533



Legend

- ▲ Primary Datum
- × Artifact Location
- Hearth

MAP 26: SITE 42UN 2534



Legend

- ▲ Primary Datum
- × Artifact Location

large game hunting/kill/butchering/roasting complex that includes 42UN 2535, 2536, and 2537.

Nat. Register Status: Not Significant

Justification: Site lacks depth potential and context integrity. This site does not meet the standards for significance under criterion d established in 36 FR 60.6.

Recommendation: Avoidance.

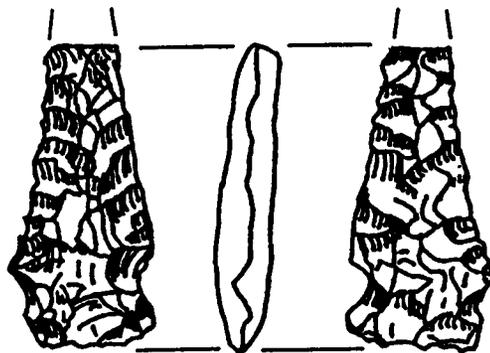
Site 42UN 2535 (see Maps 4 and 27)

The site consists of a lithic scatter containing chipped stone tools and debitage. There are spatially delimited concentrations of tools, secondary flakes and tertiary flakes, while decortication flakes, cores and choppers are diffuse throughout the site. The primary lithic material is Parachute Creek chert with some quartzite and a fine grained grey chert. Most artifacts are heavily patinated, suggesting great age. Preliminary evaluations suggest that this is a special use site such as a kill/butcher locus since artifacts are so tightly clustered with most of the bifaces concentrated in a small (2 x 2 meter) areas. This site is part of an Archaic large game hunting/kill/butchering/roasting complex that includes 42UN 2534, 2536, and 2537.

Nat. Register Status: Significant

Justification: Site contains depth potential and context integrity. This site meets the standards for significance under criterion d established in 36 FR 60.6.

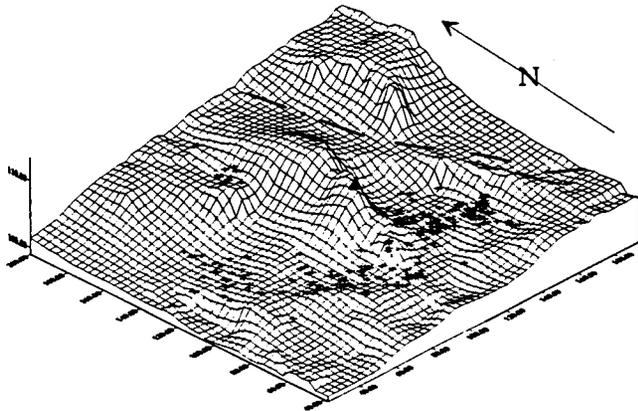
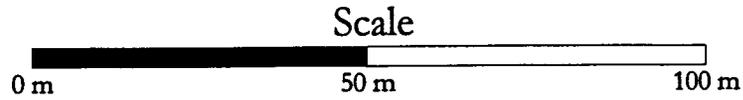
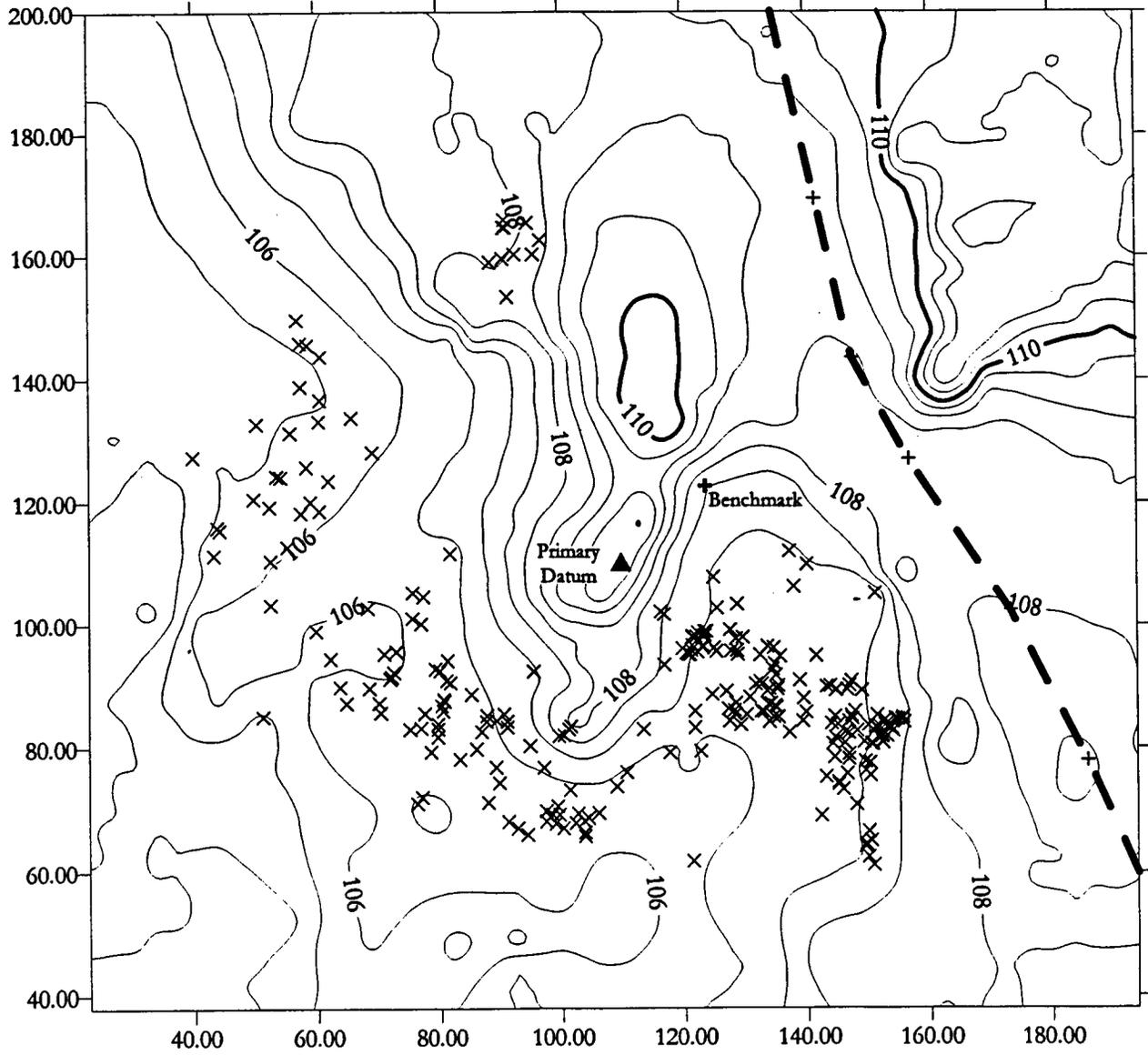
Recommendation: Avoidance during any surface development related to Unit 7-35.



42UN 2535

FIGURE 4

MAP 27: SITE 42UN 2535



Legend

- ▲ Datum Location
- × Artifact Location
- ⊕ Benchmark
- - - Access Road

Site 42UN 2536 (see Maps 4 and 28)

The site consists of a lithic scatter containing chipped stone tools and debitage. The primary lithic material is Parachute Creek chert with some quartzite and a fine grained brown chert. Several chopping tools are present, but no diagnostics were observed. This site is part of an Archaic large game hunting/kill/butchering/roasting complex that includes 42UN 2534, 2535, and 2537.

Nat. Register Status: Not Significant

Justification: Site lacks depth potential and context integrity. This site does not meet the standards for significance under criterion d established in 36 FR 60.6.

Recommendation: Avoidance.

Site 42UN 2537 (see Maps 4 and 29)

This site is an open occupation and lithic scatter consisting of several concentrations of oxidized stone, one intact roasting hearth, and a diffuse scatter of lithic debitage, cores and bifaces or choppers. Occupational debris is revealed in a linear pattern in blowouts within and alongside a large dune field. This site is part of an Archaic large game hunting/kill/butchering/roasting complex that includes 42UN 2534, 2535, and 2536.

Nat. Register Status: Significant

Justification: Site contains depth potential and context integrity. This site meets the standards for significance under criterion d established in 36 FR 60.6.

Recommendation: Avoidance during any surface development related to Units 1-35, 2-35, and 7-35.

Site 42UN 2538 (see Maps 4 and 30)

This site consists of a shallow two chambered rock shelter in a sandstone outcrop overlooking a broad drainage to the south. Erosional activity has scoured the shelter, but plenty of debitage, tools and oxidized, heat-cracked rock are visible on the slope and eroding from the sand dunes below.

Nat. Register Status: Significant

Justification: Site contains depth potential and context integrity. This site meets the standards for significance under criterion d established in 36 FR 60.6.

Recommendation: Avoidance during any surface development related to Unit 9-35.

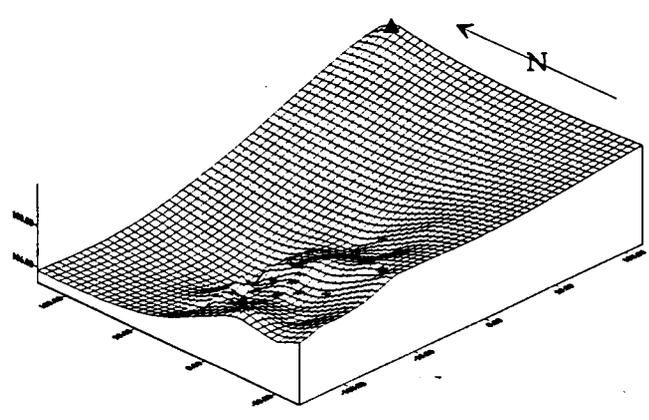
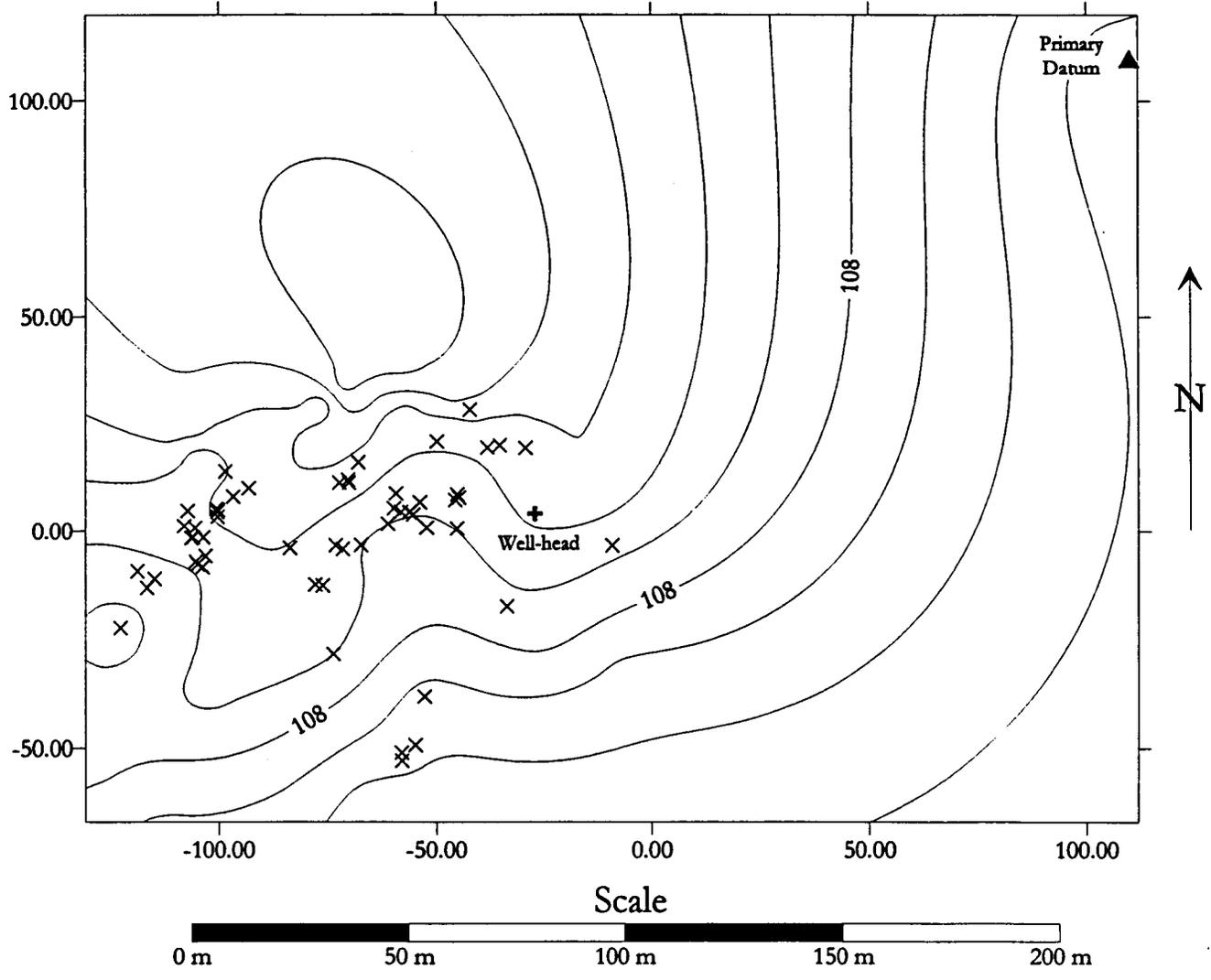
Site 42UN 2552 (see Maps 4 and 31)

This site consists of a rock shelter in a sandstone ledge complex overlooking a broad drainage to the south. Erosional activity has resulted in the collapse of much of the roof over the shelter effectively sealing the context. Reduction debitage and tools are being exposed within the rock shelter and its associated deposition area.

Nat. Register Status: Significant

Justification: Site contains depth potential and context integrity. This site meets the

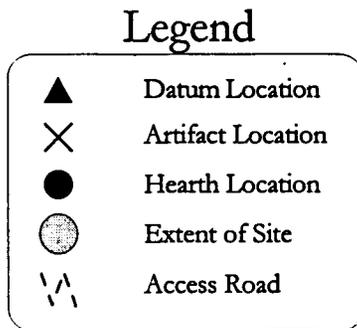
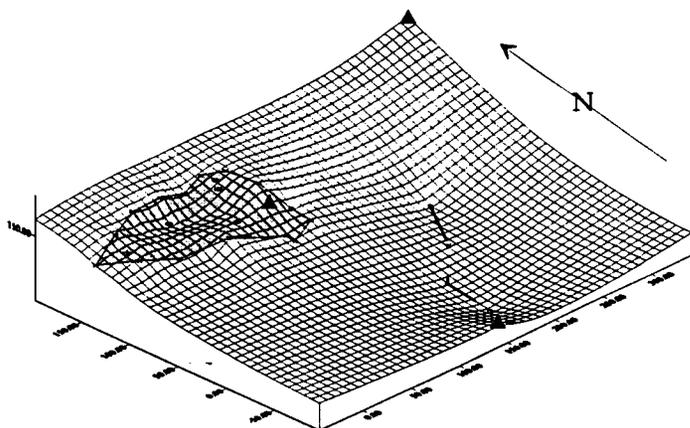
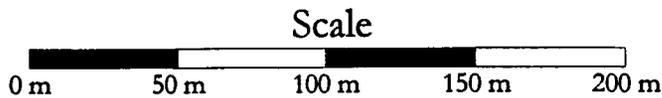
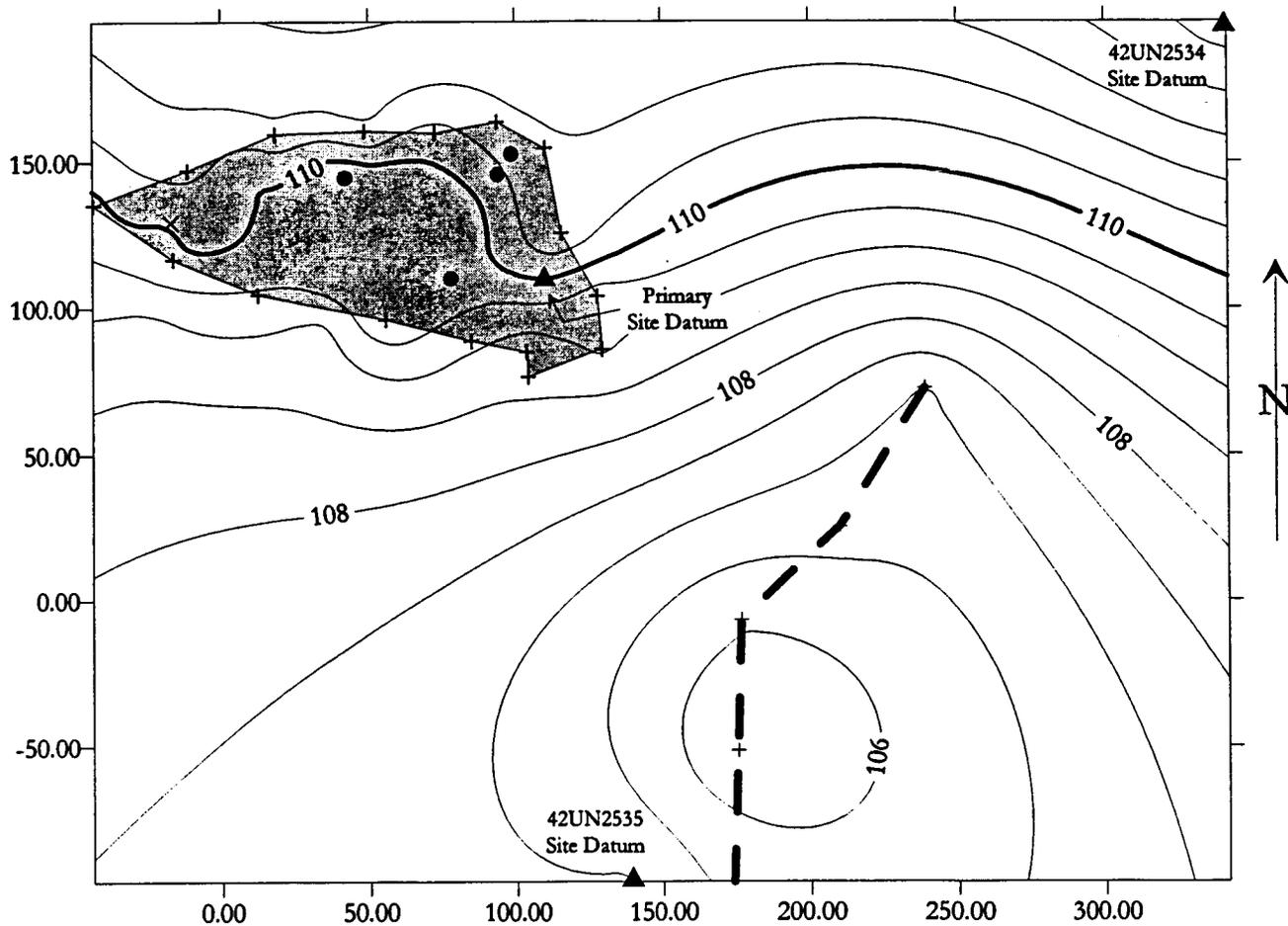
MAP 28: SITE 42UN 2536



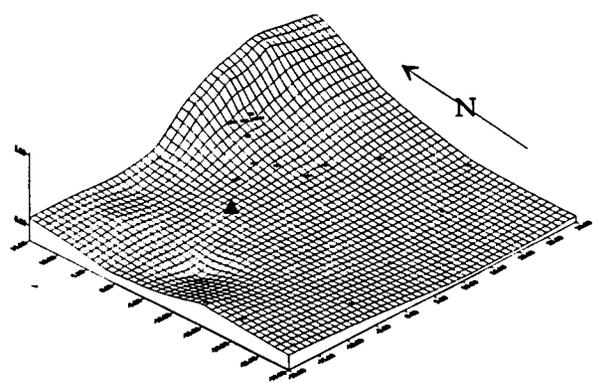
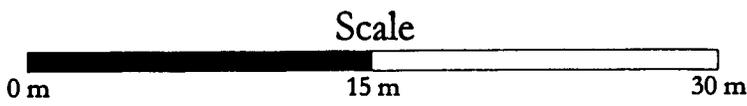
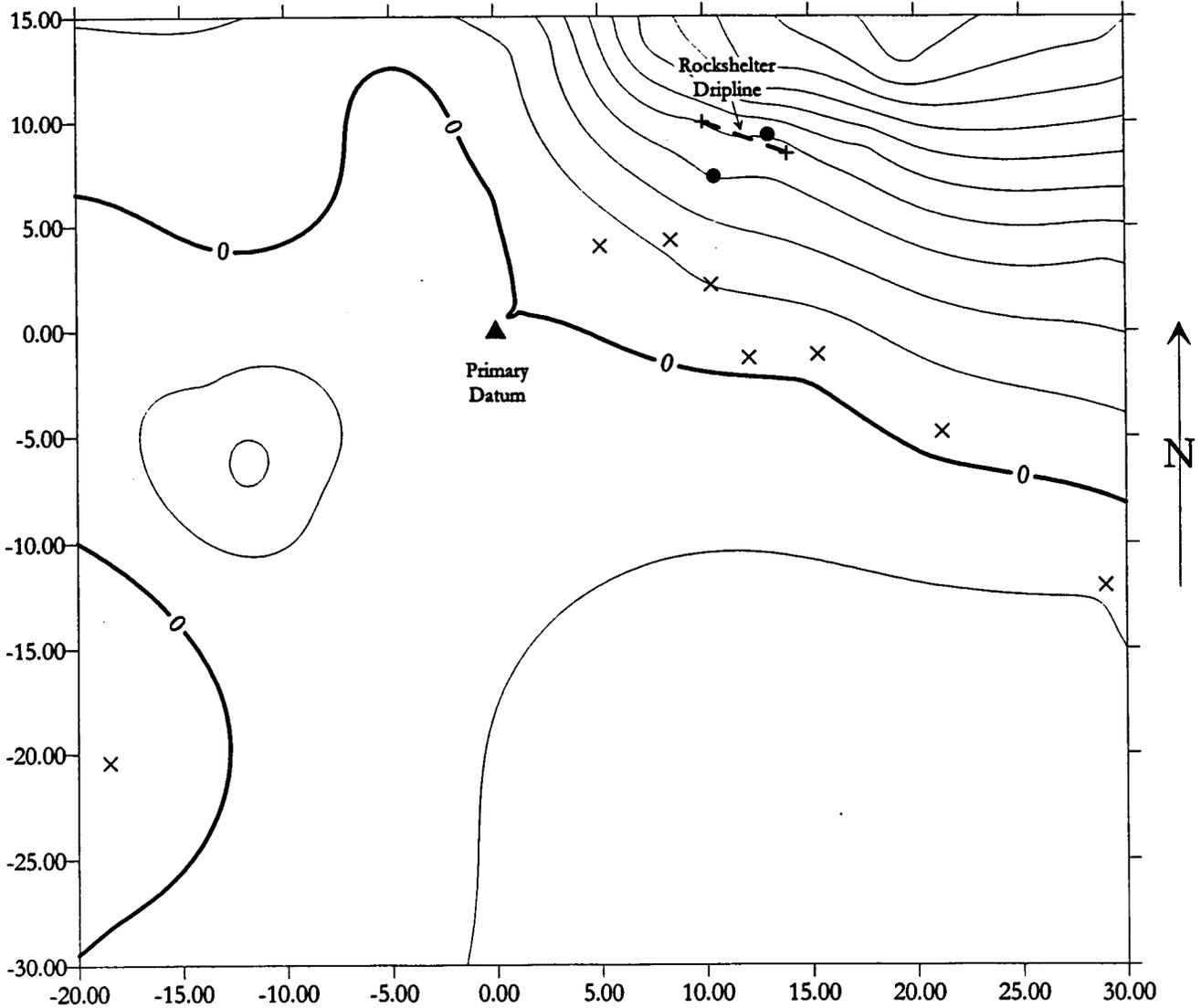
Legend

- ▲ Primary Datum
- × Artifact Location
- + Well-head Location

MAP 29: SITE 42UN 2537



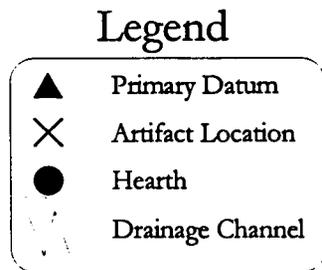
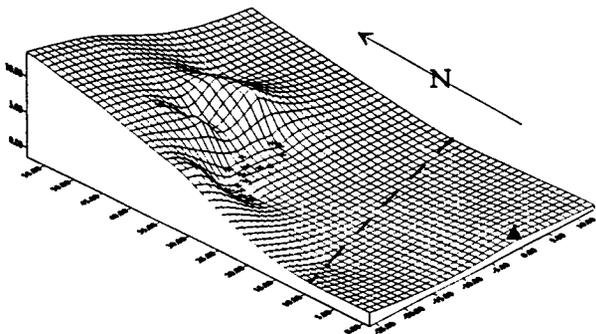
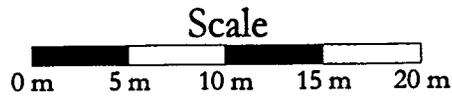
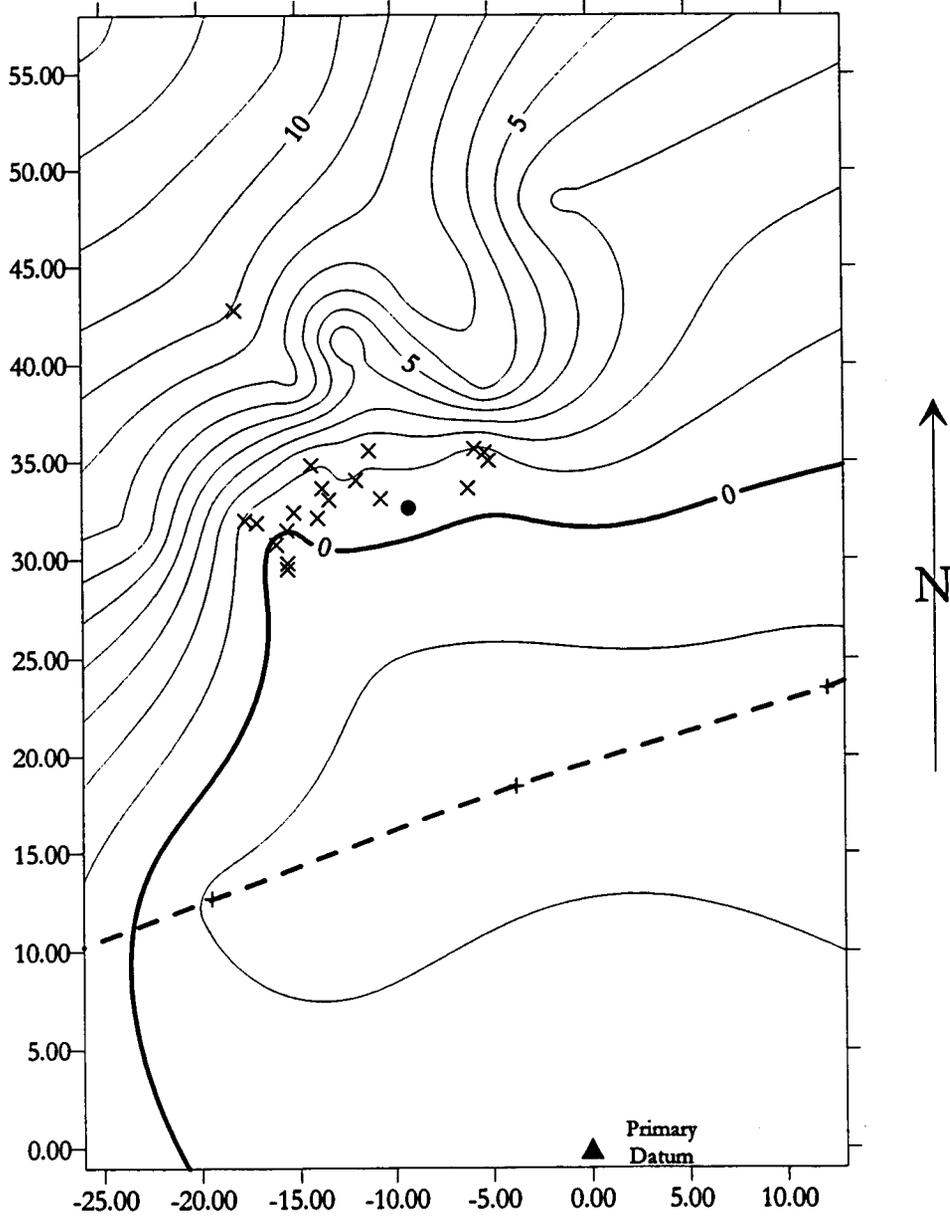
MAP 30: SITE 42UN 2538



Legend

- ▲ Primary Datum
- × Artifact Location
- Hearth Location

MAP 31: SITE 42UN 2552



standards for significance under criterion d established in 36 FR 60.6.

Recommendation: Avoidance during any surface development related to Unit 2-2.

Site 42UN 2566 (see Maps 4 and 32)

This site is situated on a bench overlooking a wide drainage to the north. The site consists of a small scatter of lithic debitage, comprised mostly of Parachute Creek Chert, and three tools, also composed of Parachute Creek Chert. A fragment of oxidized sandstone was also noted at the site.

Nat. Register Status: Not Significant

Justification: Site lacks depth potential and context integrity. This site does not meet the standards for significance under criterion d established in 36 FR 60.6.

Recommendation: Avoidance.

Isolated Artifacts

A total of four isolated diagnostic artifacts was observed and recorded during the evaluations within these seven acreage tracts. A number of isolated tap and test flakes and discarded bifaces probably related to butchering episodes was also observed during the inventories; these artifacts were too numerous to warrant reporting.

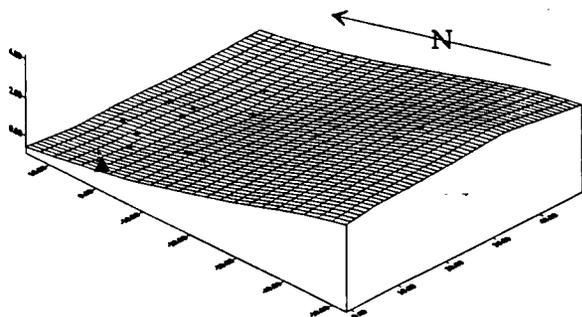
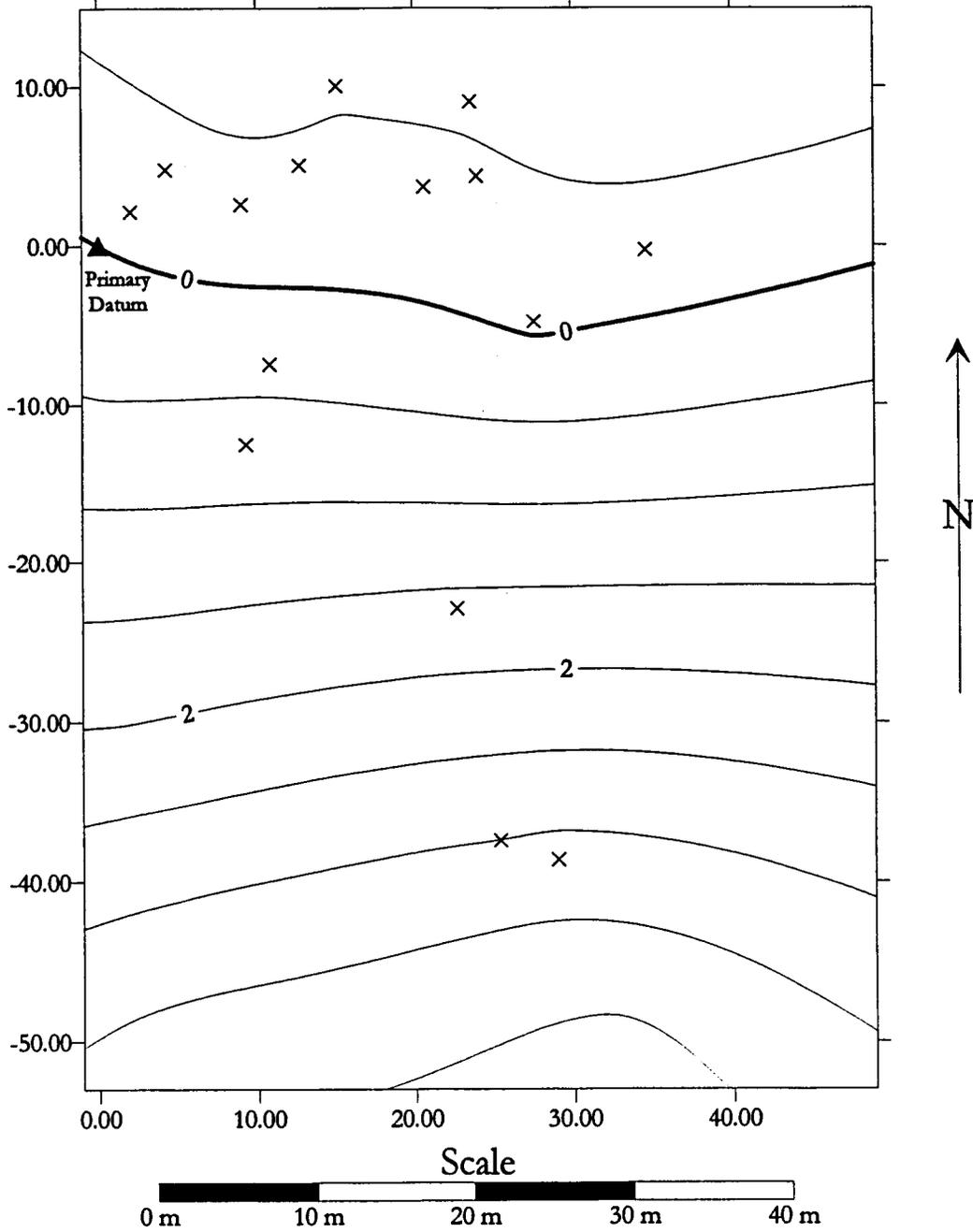
Isolated artifact **1598B/x1** (see Figure 5A) was collected in the southeast quarter of Section 3, Township 9 South, Range 16 East (see Map 3). It consists of a fragmented Paleoindian projectile point possibly of the Plainview variety. The base is missing so that it is not possible to determine the most pertinent diagnostics for this artifact. It was constructed from tan chert of unknown geological origin.

Isolated artifact **1598K/x2** (see Figure 5B) was collected in the southwest quarter of Section 2, Township 9 South, Range 16 East (see Map 3). It consists of a complete Archaic or late Paleoindian dart point manufactured from dark gray oolitic chert of unknown geological origin.

Isolated artifact **1598R/x1** (see Figure 5D) was collected in the northwest quarter of Section 22, Township 9 South, Range 17 East (see Map 6). It consists of the proximal fragment of a highly patinated bifacially prepared tool which may be a Paleoindian projectile point of the Midland type. It was manufactured from locally available Parachute Creek Chert.

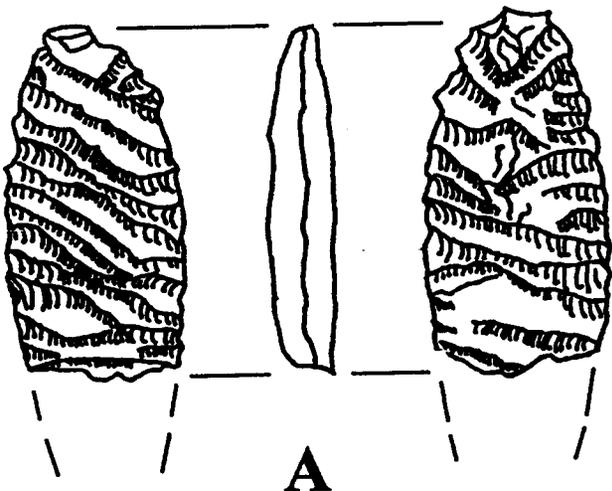
Isolated artifact **1598R/x2** (see Figure 5C) was collected in the northeast quarter of Section 22, Township 9 South, Range 17 East (see Map 6). It consists of a nearly intact Pinto dart point of Early Archaic origin. This tool was prepared from either a variant of Parachute Creek Chert or is a type of chert derived from an unknown geological origin.

MAP 32: SITE 42UN 2566

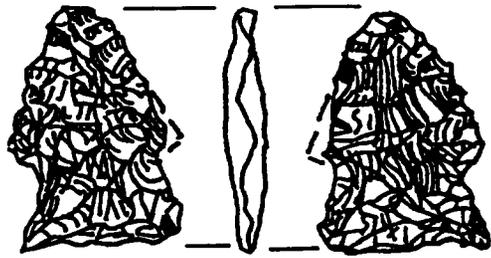


Legend

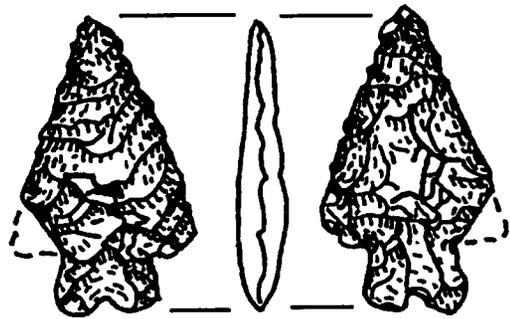
- ▲ Primary Datum
- × Artifact Location



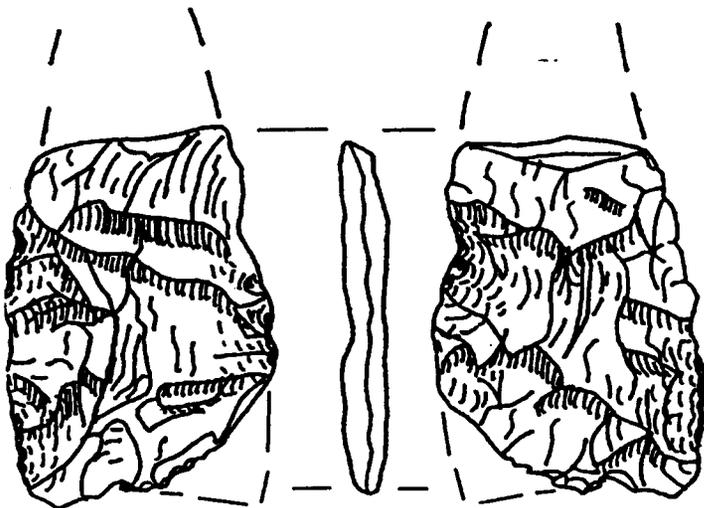
A
1598B/x1



B
1598K/x2



1598R/x2



D
1598R/x1

FIGURE 5

Paleontological Assessments

Three paleontological loci were observed during the survey. These loci include an intact turtle, mandible fragments from an oreodont, and an intact crocodile mandible. A separate report on these loci has been prepared by Rod Sheetz, consulting paleontologist (see Sheetz 1998).

DISCUSSION

In any assessment of this type, it is useful to identify the site densities that are apparent in the data. In *ARCHAEOLOGICAL EVALUATIONS OF THE NORTHERN COLORADO PLATEAU* (AERC Paper No. 45), a basic ratio of sites per acre is used to quantify observed densities (cf., Hauck 1991:45). The site:acre ratios noted for Uinta Basin studies in that report begin at 1:050 as recorded during the Texas-Missouri Creek study conducted by Gordon and Kranzush (Gordon, et al. 1983). The high end of the spectrum is a ratio of 1:850 recorded during the U-a and U-b Oil shale lease study (Berry and Berry 1976). These various ratios were ranked as I, II, III, and IV. The rank density of I ranged between 1:32 and 1:78 ratios. Rank II ratios ranged between the ratios 1:97 and 1:132. Rank III ratios were between 1:201 and 1:273. Finally, the rank IV ratios were between 1:327 and 1:540.

With 28 sites reported in the 3,919 acres reported herein, a basic ratio of 1 site per 139.9 acres is identified, or 1:140, for the entire project area. This ratio is associated with the low end of rank II densities. It is comparable with the 1:152 ratio generated during AERC's 1989 inventory in the Red Wash locality to the east (Hauck, et al. 1990) but less dense than the 1:110 ratio defined during AERC's Mapco sample inventories in this general locality (Hauck and Norman 1980).

The site density within the Inland study varies from tract to tract. For instance, in the 689 acres evaluated in the Ashley Unit west of Wells Draw, one site is reported. This locality thus exhibits a low density ratio of 1:689 (falling in low end of rank IV) which is significantly less dense than the rank II ratio of 1:103 identified in the South Wells Draw Unit where 12 sites are reported in 1,240 acres. The two other Units provided ratios closer to the general project mean of 1:140: the Odekirk Springs Unit (12 sites in 1,529 acres) has a ratio of 1:127(rank II), while the South Pleasant Valley Unit (3 sites in 461 acres) exhibits a ratio of 1:154(lower end of rank II).

The site density ratios registered throughout the Inland project area are not the only interesting factor revealed during this study. The number of Paleoindian projectile points recovered from sites and as isolated finds is also very significant. Points having a definite Paleoindian origin are shown as Figures 1A, 1C, 1D, 2B, 5A and 5D. Possible Plano-Early Archaic transitional points include those shown in Figures 1B, 4, and 5B. The remaining diagnostics are mostly derived from Early Archaic contexts and include Figures 2A, 3B, and 5C. Figure 3C is thought to be an Elko Rocker side-notch of Middle Archaic derivation.

If our assessment of these diagnostic artifacts is correct, 46% of the diagnostic points recovered are Paleoindian, and 69% are both definite and possible Paleoindian. Only 30% of the diagnostics are definitely of Archaic derivation--and these are all of Early to Middle Archaic origin. The lack of Late Archaic, Formative (with the exception of the Late Formative pot-drop site, 42DC 1155), and Late Prehistoric (Shoshonean/Ute) in the project area is also very significant. Our assessment is that water and associated flora and fauna were readily available from the late Pleistocene into the early Holocene within this Castle Peak Draw to Pariette Bench locality. Those resources began to diminish by 7,000 years B.P. (before present) during the Early Archaic and were definitely lost by the end of the Middle Archaic or ca. 4,600 years B.P. accounting for the rapid reduction of hunting occupations and sites in this locality after that date. Further research needs to be initiated to address the viability of this hypothesis.

CONCLUSION AND RECOMMENDATIONS

AERC recommends that a cultural resource clearance be granted to Inland Resources, Inc. relative to the development within these various land parcels based upon adherence to the following stipulations:

1. Sites 42DC 1149, 1150, 1158, 1159, 1161, 1162, 1174, 1175 and 42UN 2535, 2537, 2538, and 2552 should be avoided during any development within the Inland tracts. These sites are significant resources and should be protected from disturbance and vandalism.
2. all vehicular traffic, personnel movement, construction and restoration operations should be confined to the surveyed zones and to the existing roadways;
3. all personnel should refrain from collecting artifacts and from disturbing any cultural resources in the area; and
4. the authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the exploration area.



F. Richard Hauck, Ph.D.
President and Principal
Investigator

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U.S.
Department of the Interior
Bureau of Land Management
Utah State Office
(AERC FORMAT)

Project
Authorization No UT-98-AF-0164bs

Report Acceptable Yes ___ No ___

Mitigation Acceptable Yes ___ No ___

Comments: _____

Summary Report of
Inspection for Cultural Resources

Cultural Resource Evaluation of Various Large Tracts in the
Wells Draw to Pariette Bench Locality of Duchesne & Uintah
Counties, Utah

1. Report Title

Inland Resources, Inc.

2. Development Company _____

7 25 1998

UT-98-54937

3. Report Date 4. Antiquities Permit No. _____

A E R C

IPC - 98 - 4

Uintah &

5. Responsible Institution County Duchesne

6. Fieldwork

Location: TWN 0 9 S . RNG 15 E Sections 12
TWN 0 9 S . RNG 16 E Sections 2, 3, 4, 7, 9, 10
TWN 0 8 S . RNG 17 E Sections 35, 36
TWN 0 9 S . RNG 17 E Sections 2, 15, 18, 22

7. Resource Area Diamond Mountain

8. Description of Examination Procedures: The archeologists directed by R. Hauck, or Glade Hadden, conducted intensive cultural resource evaluations of 7 project tracts situated in the Wells Draw to Pariette Bench locality. The survey was conducted by walking 15 to 20 meter-wide transects in the parcels.

9. Linear Miles Surveyed
and/or 3,919
Definable Acres Surveyed
and/or
Legally Undefinable
Acres Surveyed

10. Inventory Type I
R = Reconnaissance
I = Intensive
S = Statistical Sample

11. Description of Findings: 12. Number Sites Found .2.8

A total of 28 archaeological sites was recorded during this inventory. These sites include 42DC1149, 42DC1150, 42DC 1155-1166, 1171, 1174-1177, and 42Un 2532-2538, 2552 and 2566. Sites 42DC 1149, 1150, 1158, 1159, 1161, 1162, 1174, 1175 and 42UN 2535, 2537, 2538 and 2552 are considered significant resources.

(No sites = 0)

13. Collection: .Y.
(Y = Yes, N = No)

14. Actual/Potential National Register Properties Affected:

The National Register of Historic Places (NRHP) has been consulted and no registered properties will be affected by the proposed development.

15. Literature Search, Location/ Date: Utah SHPO 11-6-97 Vernal BLM 3-18-98

16. Conclusion/ Recommendations:

AERC recommends that a cultural resource clearance be granted to Inland Resources, Inc. for the proposed developments based on the following stipulations:

1. All significant sites (42DC 1149, 1150, 1158, 1159, 1161, 1162, 1174, 1175 and 42UN 2535, 2537, 2538 and 2552) should be avoided during any surface disturbance or development in their vicinities.
2. All vehicular traffic, personnel movement, construction and restoration operations should be confined to the surveyed zones and to the existing roadways;
3. All personnel should refrain from collecting artifacts and from disturbing any cultural resources in the area; and
4. The authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the exploration area.

17. Signature of Administrator & Field Supervisor

Administrator:



Field
Supervisor:

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 01/07/2000

API NO. ASSIGNED: 43-013-32137

WELL NAME: S WELLS DRAW 6-3-9-16
 OPERATOR: INLAND PRODUCTION (N5160)
 CONTACT: JON HOLST

PHONE NUMBER: 303-893-0102

PROPOSED LOCATION:

SENW 03 090S 160E
 SURFACE: 1813 FNL 1876 FWL
 BOTTOM: 1813 FNL 1876 FWL
 DUCHESNE
 MONUMENT BUTTE (105)

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1-Federal
 LEASE NUMBER: U-77338
 SURFACE OWNER: 1-Federal

PROPOSED FORMATION: GRRV

RECEIVED AND/OR REVIEWED:

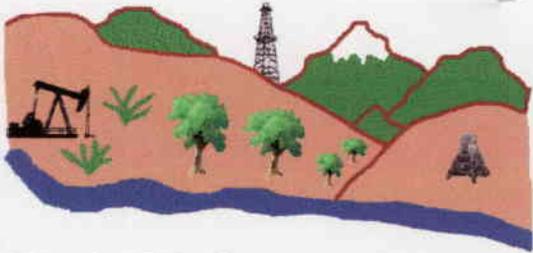
- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]
(No. 4488944)
- Potash (Y/N)
- Oil Shale (Y/N) *190 - 5 (B)
- Water Permit
(No. MUNICIPAL/Johnson W. Dist.)
- RDCC Review (Y/N)
(Date: _____)
- Fee Surf Agreement (Y/N)

LOCATION AND SITING:

- R649-2-3. Unit _____
- R649-3-2. General
Siting: _____
- R649-3-3. Exception
- Drilling Unit
Board Cause No: _____
Eff Date: _____
Siting: _____
- R649-3-11. Directional Drill

COMMENTS: * Mon. Butte Field "SOP", separate file.

STIPULATIONS: ① FEDERAL APPROVAL



Utah Oil Gas and Mining

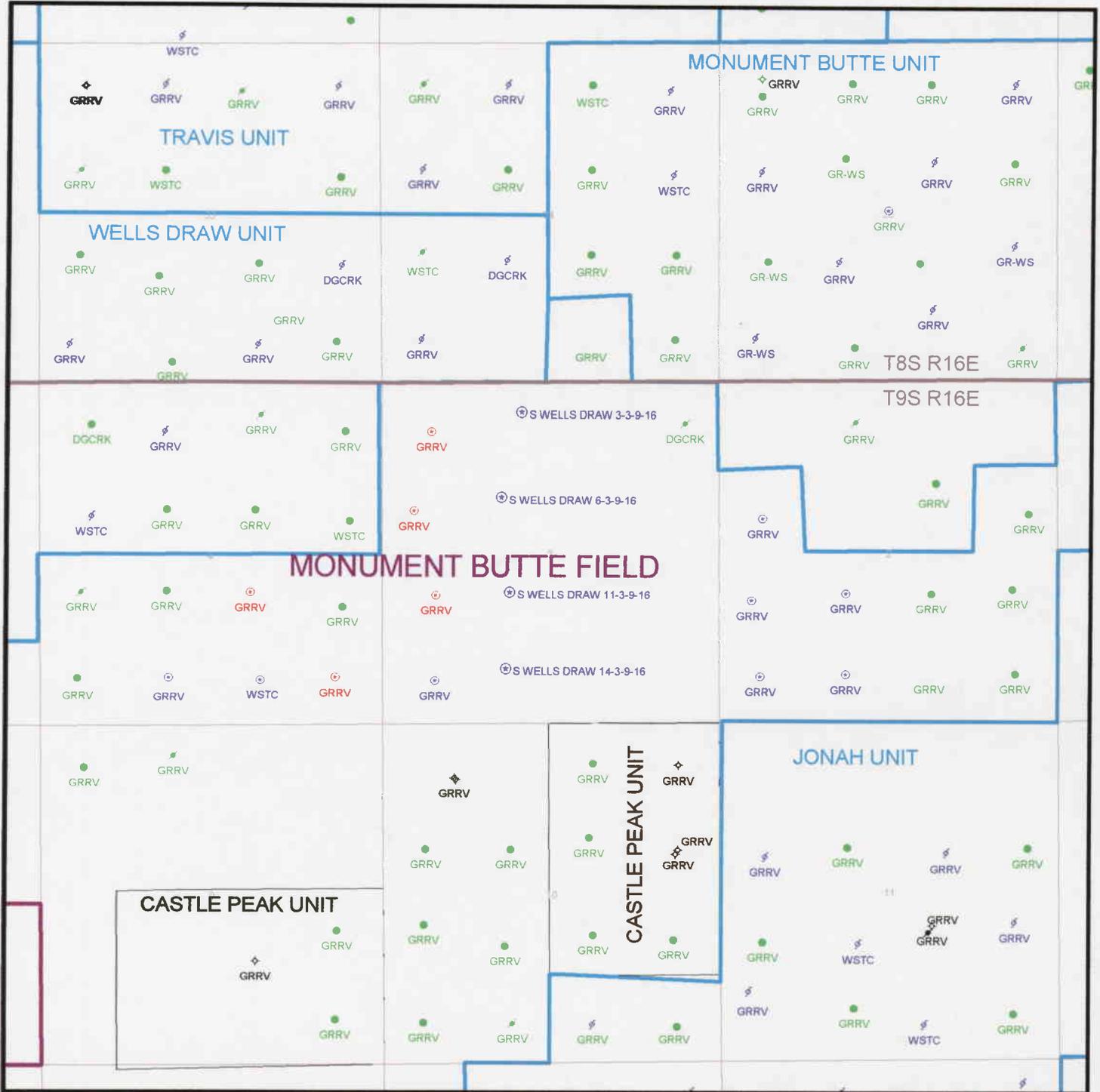
Serving the Industry, Protecting the Environment

OPERATOR: INLAND PRODUCTION COMPANY (N5160)

FIELD: MONUMENT BUTTE (105)

SEC. 3, TWP 9 S, RNG 16 E

COUNTY: DUCHESNE NO UNIT, NO CAUSE



PREPARED
DATE: 10-Jan-2000



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Kathleen Clarke
Executive Director

Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

January 13, 2000

Inland Production Co.
410 17th Street Suite 700
Denver, CO. 80202

Re: S Wells Draw 6-3-9-16 Well, 1813' FNL, 1876' FWL, SE NW, Sec. 3, T. 9 S., R. 16 E.,
Duchesne County, Utah

Gentlemen:

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

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-32137.

Sincerely,

A handwritten signature in black ink, appearing to read "John R. Baza".

for John R. Baza
Associate Director

ecc

Enclosures

cc: Duchesne County Assessor
Bureau of Land Management, Vernal District Office

Operator: Inland Production Co.
Well Name & Number: S Wells Draw 6-3-9-16
API Number: 43-013-32137
Lease: Federal **Surface Owner:** Federal
Location: SE NW **Sec.** 3 **T.** 9 S. **R.** 16 E.

Conditions of Approval

1. General

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

2. Notification Requirements

Notify the Division within 24 hours of spudding the well. Contact Carol Daniels at (801)538-5284.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Dan Jarvis at (801) 538-5338 or Robert Krueger at (801) 538-5274.

3. Reporting Requirements

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

4. State approval of this well does not supersede the required federal approval which must be obtained prior to drilling.

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK **DRILL** **DEEPEN**

2. TYPE OF WELL
 OIL GAS SINGLE MULTIPLE
 WELL WELL OTHER ZONE ZONE

5. LEASE DESIGNATION AND SERIAL NO.
U-77338

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

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
South Wells Draw

9. WELL NO.
6-3-9-16

10. FIELD AND POST OR WILDCAT
Monument Butte

11. SEC., T., R., M., OR BLM.
Section 3, T9S, R16E

12. County **Duchesne** 13. STATE **UT**

3. NAME OF OPERATOR
Inland Production Company

4. ADDRESS OF OPERATOR
410 - 17th Street, Suite 700, Denver, CO 80202 Phone: (303) 893-0102

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. *)
At Surface **SENW**
At proposed Prod. Zone **1876.4' FWL & 1813.3' FNL**

6. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approximately 13 miles SW of Myton

7. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
764' fel

8. NO. OF ACRES IN LEASE
80

9. NO. OF ACRES ASSIGNED TO THIS WELL
40

10. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT.
approximately 1320'

11. PROPOSED DEPTH
6500'

12. ROTARY OR CABLE TOOLS
Rotary

13. ELEVATIONS (Show whether DF, RT, GR, etc.)
5573' GR

14. APPROX. DATE WORK WILL START*
1st Quarter 2000

15. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
Refer to Monument Butte Field SOP's Drilling Program/Casing Design				

Inland Production Company proposes to drill this well in accordance with the attached exhibits.
The Conditions of Approval are also attached.

RECEIVED
APR 26 2000
DIVISION OF
OIL, GAS AND MINING

RECEIVED
JAN 07 2000

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.

16. SIGNED **Jon Holst** TITLE **Counsel** DATE **1/3/00**

(This space for Federal or State office use)

NOTICE OF APPROVAL

17. PERMIT NO. _____ APPROVAL DATE _____
Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

18. CONDITIONS OF APPROVAL, IF ANY:
APPROVED BY **Howard A. Savage** TITLE **Assistant Field Manager Mineral Resources** DATE **4/18/00**

***See Instructions On Reverse Side**

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

CONDITIONS OF APPROVAL ATTACHED

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company

Well Name & Number: 6-3-9-16

API Number: 43-013-32137

Lease Number: U-77338

Location: SENW Sec. 03 T. 09S R. 16E

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

Drilling Operations

As a minimum, the usable water shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the base of the Usable Water identified at ± 1583 ft.

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DIVISION OF
OIL, GAS AND MINING

SURFACE USE PROGRAM
Conditions of Approval (COA)
Inland Production Company - South Wells Draw #6-3-9-16

Plans For Reclamation Of Location

All seeding for reclamation operations at this location shall use the following seed mixture:

galleta grass	Hilaria jamessi	3 lbs/acre
bud sagebrush	Artemisia spinescens	3 lbs/acre
shadscale	Atriplex confertifolia	4 lbs/acre

If the seed mixture is to be aerially broadcasted, the pounds per acre shall be doubled. All seed poundages are in Pure Live Seed.

Immediately after construction the stockpiled top soil will be seeded and the seed worked into the soil by "walking" the pile with caterpillar tracks.

RECEIVED

APR 26 2000

DIVISION OF
OIL, GAS AND MINING

STATE OF UTAH
 DIVISION OF OIL, GAS AND MINING
 ENTITY ACTION FORM - FORM 6

OPERATOR: INLAND PRODUCTION COMPANY
 ADDRESS: RT. 3 BOX 3650
KEYTON, UT 84052

OPERATOR ACCT NO: N5160

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	12721	43-013-32137	South Wells Draw 6-3-9-16	SENW	3	9S	16E	Duchesne	May 15, 2000	

WELL 1 COMMENTS: Union rig #14 spud at 2 PM *000515 Entity Added.*

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		

WELL 2 COMMENTS:

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		

WELL 3 COMMENTS:

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		

WELL 4 COMMENTS:

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		

WELL 5 COMMENTS:

- ACTION CODES (See instructions on back of form)
- A - Establish new entry for new well (single well only)
 - B - Add new well to existing entry (group or unit well)
 - C - Re-assign well from one existing entry to another existing entry
 - D - Re-assign well from one existing entry to a new entry
 - E - Other (explain in comments section)

Cecy Mathison
 Signature

Production Clerk 05/16/00
 Title Date

NOTE: Use COMMENT section to explain why each Action Code was selected

MAY-16-00 TUE 12:21 PM INLAND PRODUCTION CO FAX NO. 435 646 3031 P. 03



RESOURCES INC.

May 22, 2000

State of Utah
Division of Oil, Gas & Mining
Attn: Carol Daniels
1594 West North Temple - Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

Dear Carol:

Please find enclosed Form 3160- 5, for the South Wells Draw 6-3-9-16. If you have any questions feel free to call me @ 435-823-7468 cell, or 435-646-3721 office any time.

Sincerely,

PAT WISENER
Drilling Foreman

Enclosures

pw

RECEIVED

MAY 23 2000

DIVISION OF
OIL, GAS AND MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.

U-77338

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

South Wells Draw

8. Well Name and No.

SWD 6-3-9-16

9. API Well No. *32137*

43-013-3217

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

Duchesne County, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

Route 3 Box 3630 Myton, Utah 84052 435-646-3721

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**1876.4' FWL & 1813.3' FNL SE/NW
Sec.3.T 9S R 16E**

DIVISION OF
GIL, GAS AND MINING

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

TYPE OF SUBMISSION

Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other **Surface Spud**

Change of Plans
 New Construction
 Non-Routine Fracturing
 Water Shut-Off
 Conversion to Injection
 Dispose Water

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

13. 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.)*

MIRU UNION RIG # 14. Set equipment. Drill mouse hole & rat hole. Spud well @ 2:00pm on 5/15/00. Drill 17 1/4" hole and set 23' of 13 3/8" conductor. Nipple up cellar. Drill 12 1/4" hole with air mist to a depth of 322'. TIH w/ 8 5/8" J-55 csg. Landed @ 286.7'. Cement with *141sks class "G" w/ 2% CaCL2 & 1/4#/sk Cello-flake mixed @ 15.8ppg > 1.17 YLD. Estimated 5 bbls cement to surface. WOC 4 hours. Break out & Nipple up BOP's. Pressure test Kelly, TIW, Choke manifold, & BOP's TO 2000 psi. Test 8 5/8" CSG. TO 1500 PSI. (2 cup packer @ 210 +/-). ALL TESTED GOOD. Vernal District BLM was represented by Ray Arnold. Utah DOGM notified by phone. Drill 7 7/8" hole with water mist to a depth of 3816'. TOH and PU/MU Bit #4, MM, & BHA. Drill 7 7/8" hole to a depth of 5953' with water based mud. TOH and lay down drill string & BHA. Open hole log. PU & MU 5 1/2" float shoe and 139 jt's 5 1/2" J-55 15.5# csgn. Set @ 5931.91 KB. Cement w/*265sks Prem Litell w/10%Gel & 3%KCL mixed to 11.0ppg > 3.43YLD. *400sks 50/50 POZ w/2%GEL & 3%KCL mixed to 14.4ppg > 1.24YLD. Good returns with 20 bbls dye to surface. Plug down @ 2:48am on 5/22/00. Nipple down BOP's. Drop slips with 80,000# string weight. Clean out pits and release rig @ 6:00am on 5/22/00. WOC.

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

Signed

Pat Wisener

Title

Drilling Foreman

Date

05/22/2000

(This space for Federal or State office use)

Approved by _____

Title _____

Date _____

Conditions of approval, if any:

CC: UTAH DOGM

INLAND PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 5931.91

LAST CASING 8 5/8" SET AT 286.55
 DATUM 10' KB
 DATUM TO CUT OFF CASING _____
 DATUM TO BRADENHEAD FLANGE _____
 TD DRILLER 5871 LOGGER 5953'
 HOLE SIZE 7 7/8"

OPERATOR INLAND PRODUCTION COMPANY
 WELL SWD 6-3-9-16
 FIELD/PROSPECT Monument Butte
 CONTRACTOR & RIG # UNION RIG 14

MAY 20 2000

LOG OF CASING STRING: DIVISION OF
OIL, GAS AND MINING

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		LANDING JT					12.4
139	5 1/2"	Maverick LT & C CSG	15.5#	J-55	8rd	A	5920.56
		SHOE - GUIDE			8rd	A	1.35

CASING INVENTORY BAL.	FEET	JTS	TOTAL LENGTH OF STRING	5934.31
TOTAL LENGTH OF STRING	5934.31	139	LESS CUT OFF PIECE	12.4
LESS NON CSG. ITEMS	13.75		PLUS DATUM TO T/CUT OFF CSG	10
PLUS FULL JTS. LEFT OUT	0	0	CASING SET DEPTH	5931.91
TOTAL	5920.56	139		

TOTAL CSG. DEL. (W/O THRDS)	5920.56	139	} COMPARE
TIMING	Stage 1	Stage 2	
BEGIN RUN CSG.	9:15pm		GOOD CIRC THRU JOB <u>YES</u>
CSG. IN HOLE	12:45am		Bbls CMT CIRC TO SURFACE <u>20 bbls dye</u>
BEGIN CIRC	1:00am	1:36am	RECIPROCATED PIPE FOR <u>20 mins</u> THRU <u>8'</u> FT STROKE
BEGIN PUMP CMT	1:43am	2:03am	DID BACK PRES. VALVE HOLD ? <u>yes</u>
BEGIN DSPL. CMT		2:25am	BUMPED PLUG TO <u>1850</u> PSI
PLUG DOWN		2:48am	

CEMENT USED		CEMENT COMPANY- BJ
STAGE	# SX	CEMENT TYPE & ADDITIVES
1	265	Prem Lite II w/ 10% GEL & 3% KCL mixed to 11.0 ppg > 3.43 YLD
2	400	50/50 POZ w/ 2% GEL & 3% KCL mixed to 14.4 ppg > 1.24 YLD
3		

CENTRALIZER PLACEMENT	SHOW MAKE & SPACING
1 on middle of first JT, 1 on collar of the second & third JT. Then every 3rd one for a total of 20	

COMPANY REPRESENTATIVE Pat Wisener

DATE 05/22/2000

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well name and number: South Wells Draw 6-3--9-16

API number: 43-013-32137

Well Location: QQ SE/NW Section 3 Township 9S Range 16E County Duchesne

Well Operator: INLAND PRODUCTION COMPANY

Address: Route 3 Box 3630

Myton, Utah 84052

Phone: 435-646-3721

Drilling Contractor: Union Drilling

Address: Drawer 40

Buckhannon, WV 26201

Phone: 304-472-4610

Water encountered (attach additional pages as needed):

DEPTH		VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
47	52	Estimated @ 1.5 gals/HR	Fresh

RECORDED
MAY 23 2000
DIVISION OF
OIL, GAS AND MINING

Formation Tops: Surface (Uinta)

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

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

YES

I hereby certify that this report is true and complete to the best of my knowledge.

Date: 05/22/00

Name & Signature: *Pat W. Isener*

Time: 10:00 AM

UNICHEM

A Division of BJ Services

P.O. Box 217
Roosevelt, Utah 84066

Office (435) 722-5066
Fax (435) 722-5727

WATER ANALYSIS REPORT

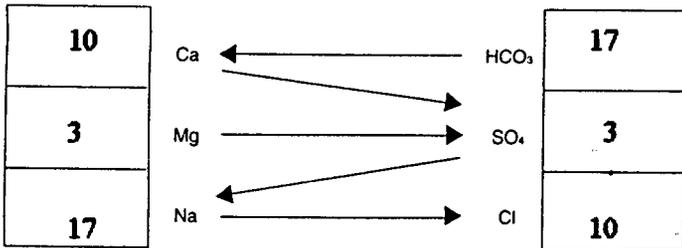
Company Inland Production Company Address _____ Date 5/17/00
Source SWD 6-3 (Fresh Water Sample) Date Sampled 5/17/00 Analysis No. _____

	Analysis	mg/l(ppm)	*Meg/l
1. PH	<u>7.5</u>		
2. H ₂ S (Qualitative)	<u>0.5</u>		
3. Specific Gravity	<u>1.002</u>		
4. Dissolved Solids		<u>2,122</u>	
5. Alkalinity (CaCO ₃)		<u>0</u>	<u>0</u> CO ₃
6. Bicarbonate (HCO ₃)		<u>1,030</u>	<u>17</u> HCO ₃
7. Hydroxyl (OH)		<u>0</u>	<u>0</u> OH
8. Chlorides (Cl)		<u>350</u>	<u>10</u> Cl
9. Sulfates (SO ₄)		<u>120</u>	<u>3</u> SO ₄
10. Calcium (Ca)		<u>192</u>	<u>10</u> Ca
11. Magnesium (Mg)		<u>39</u>	<u>3</u> Mg
12. Total Hardness (CaCO ₃)		<u>640</u>	
13. Total Iron (Fe)		<u>0.6</u>	
14. Manganese			
15. Phosphate Residuals		<u>0</u>	

*Milli equivalents per liter

UNICHEM
MAY 20 2000
DIVISION OF
L. CLARKE & SONS

PROBABLE MINERAL COMPOSITION



Compound	Equiv. Wt.	X	Meg/l	=	Mg/l
Ca(HCO ₃) ₂	81.04	<u>10</u>			<u>810</u>
CaSO ₄	68.07				
CaCl ₂	55.50				
Mg(HCO ₃) ₂	73.17	<u>3</u>			<u>220</u>
MgSO ₄	60.19				
MgCl ₂	47.62				
NaHCO ₃	84.00	<u>4</u>			<u>336</u>
Na ₂ SO ₄	71.03	<u>3</u>			<u>213</u>
NaCl	58.46	<u>10</u>			<u>585</u>

Saturation Values	Distilled Water 20°C
CaCO ₃	13 Mg/l
CaSO ₄ · 2H ₂ O	2,090 Mg/l
MgCO ₃	103 Mg/l

REMARKS _____



June 19, 2000

State of Utah
Division of Oil, Gas & Mining
Attn: Carol Daniels
1594 West North Temple-Suite 1210
P. O. Box 145801
Salt Lake City, Utah 84114-5801

Dear Carol;

Please find enclosed Form 3160-5, for the South Wells Draw 6-3-9-16. If you have any questions please call me at 435-823-4211 (CELL) or 435-646-3721 (OFFICE) any time.

Sincerely,

Gary Dietz
Completion Foreman

Enclosures

gd

RECEIVED

JUN 20 2000

**DIVISION OF
OIL, GAS AND MINING**

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.
U-77338

6. If Indian, Allottee or Tribe Name
NA

7. If Unit or CA, Agreement Designation

8. Well Name and No.

South Wells Draw 6-3-9-16

9. API Well No.

43-013-32137

10. Field and Pool, or Exploratory Area

Monument Butte

11. County or Parish, State

Duchesne County Utah

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Inland Production Company

3. Address and Telephone No.

Rout #3 Box 3630 Myton, Utah 84052 435-646-3721

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

1876.4' FWL & 1813.3' FNL

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent <input checked="" type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input type="checkbox"/> Other Status report
	<input type="checkbox"/> Change of Plans <input type="checkbox"/> New Construction <input type="checkbox"/> Non-Routine Fracturing <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Dispose Water

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

13. 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.)*

Status report for time period 6/12/00 through 6/18/00.
Subject well had completion procedures initiated on 6/12/00. Multiple Green River zones were perforated and hydraulically fractured. Bridge plugs are being removed from wellbore at present time.

RECEIVED

JUN 20 2000

DIVISION OF
OIL, GAS AND MINING

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

Signed

Gary Dietz

Title

Completion Foreman

Date

19-Jun-00

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: Utah DOGM

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

*See Instruction on Reverse Side



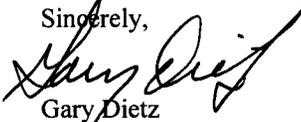
June 26, 2000

State of Utah
Division of Oil, Gas & Mining
Attn: Carol Daniels
1594 West North Temple-Suite 1210
P. O. Box 145801
Salt Lake City, Utah 84114-5801

Dear Carol;

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Sincerely,



Gary Dietz
Completion Foreman

Enclosures

gd

RECEIVED

JUN 27 2000

DIVISION OF
OIL, GAS AND MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

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U-77338

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NA

7. If Unit or CA, Agreement Designation

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South Wells Draw 6-3-9-16

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43-013-32137

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Monument Butte

11. County or Parish, State
Duchesne County Utah

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1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Inland Production Company

3. Address and Telephone No.

Rout #3 Box 3630 Myton, Utah 84052 435-646-3721

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

1876.4' FWL & 1813.3' FNL

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other Status report
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

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

13. 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.)*

Status report for time period 6/19/00 through 6/25/00.

Subject well had bridge plugs and sand plugs removed from wellbore. Zones were swab tested to clean up sand. Production equipment was ran in well. Began producing on pump on 6/21/00.

RECEIVED

JUN 27 2000

DIVISION OF
OIL, GAS AND MINING

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

Signed Gary Dietz Title **Completion Foreman** Date **26-Jun-00**

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

CC: Utah DOGM

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

*See Instruction on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

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South Wells Draw 6-3-9-16

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43-013-32137

10. Field and Pool, or Exploratory Area
Monument Butte

11. County or Parish, State
Duchesne County Utah

SUBMIT IN TRIPLICATE

RECEIVED

JUL 11 2000

INLAND
PRODUCTION CO.

1. Type of Well
 Oil Well
 Gas Well
 Other

2. Name of Operator
Inland Production Company

3. Address and Telephone No.
Rout #3 Box 3630 Myton, Utah 84052 435-646-3721

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)
1876.4' FWL & 1812.3' FNL
T.09S R.16E Sec.03

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

TYPE OF SUBMISSION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

TYPE OF ACTION

- Abandonment
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Other **Status report**
- Change of Plans
- New Construction
- Non-Routine Fracturing
- Water Shut-Off
- Conversion to Injection
- Dispose Water

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

13. 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.)*

Status report for time period 6/12/00 through 6/18/00.
Subject well had completion procedures initiated on 6/12/00. Multiple Green River zones were perforated and hydraulically fractured. Bridge plugs are being removed from wellbore at present time.

RECEIVED
JUN 21 2000
DEPARTMENT OF
LAND MANAGEMENT

RECEIVED
JUN 21 2000

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

Signed Gary Dietz Title **Completion Foreman** Date **19-Jun-00**

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:
CC: Utah DOGM

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

*See Instruction on Reverse Side

OPERATOR



RECEIVED

AUG 14 2000

DIVISION OF
OIL, GAS AND MINING

August 9, 2000

Bureau of Land Management
Vernal District Office, Division of Minerals
170 South 500 East
Vernal, Utah 84078

Attn: Mr. Edwin I. Forsman

Dear Mr. Forsman:

Enclosed are duplicate copies of the Well Completion form (Form 3160-4) and a set of logs for the following wells:

Monument Butte Federal #3-23-8-16
South Wells Draw #6-3-9-16

Also enclosed is an *updated* completion form only for the State 23-32.

If you should have any questions, please contact me at (303) 893-0102.

Sincerely,

Madalyn M. Runge
Operations Secretary

Enclosures

cc: State of Utah, Division of Oil, Gas and Mining
Attn: Mr. Mike Hebertson
P.O. Box 145801
Salt Lake City, Utah 84114-5801

Well File – Denver
Well File – Roosevelt
Patsy Barreau/Denver
Bob Jewett/Denver

RECEIVED
SUBMITTED TO STATE*
(See other instructions on reverse side)
AUG 14 2000

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

DIVISION OF
WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WORK

OIL WELL GAS WELL DRY Other _____

1b. TYPE OF WELL

NEW WELL WORK OVER DEEPEN PLUG BACK DIFF RESVR. Other _____

2. NAME OF OPERATOR

INLAND RESOURCES INC.

3. ADDRESS AND TELEPHONE NO.

410 17th St. Suite 700 Denver, CO 80202

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements. *)

At Surface

1813' FNL & 1876' FWL (SE NW) SECTION 3 - 9S - 16E

At top prod. Interval reported below

At total depth

14. PERMIT NO. 43-013-32137	DATE ISSUED 04/18/00	12. COUNTY OR PARISH DUCHESNE	13. STATE UT
--------------------------------	-------------------------	----------------------------------	-----------------

15. DATE SPUDDED 05/15/00	16. DATE T.D. REACHED 05/21/00	17. DATE COMPL. (Ready to prod.) 06/21/00	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5573' GR	19. ELEV. CASINGHEAD 5583' KB
------------------------------	-----------------------------------	--	---	----------------------------------

20. TOTAL DEPTH, MD & TVD 5953'	21. PLUG BACK T.D., MD & TVD 5926'	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY ----->	ROTARY TOOLS X	CABLE TOOLS
------------------------------------	---------------------------------------	-----------------------------------	------------------------------------	-------------------	-------------

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)*
Green River 4298' to 5336'

25. WAS DIRECTIONAL SURVEY MADE
No

26. TYPE ELECTRIC AND OTHER LOGS RUN
CBG/CCL/GR-6-9-00 DIGI/SP/CDL-6-8-00

27. WAS WELL CORED
No

23. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8	24#	287'	12-1/4	141 sx Cl G cmt w/ 2% CaCL2	
5-1/2	15.5#	5932'	7-7/8	265 sx Prem Lite II & 400 sx 50/50 poz	

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8	EOT @ 5401'	TA @ 5274'

31. PERFORATION RECORD (Interval, size and number)			32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
INTERVAL	SIZE	NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(A Sands) 5330' - 5336'	4	24	5330' - 5336'	Frac w/ 68,307# 20/40 sd in 475 bbls fluid
(D/C Sands) 4827' - 4997'	2	76	4827' - 4997'	Frac w/ 90,400# 20/40 sd in 520 bbls fluid
(GB Sands) 4298' - 4315'	4	68	4298' - 4315'	Frac w/ 81,240# 20/40 sd in 492 bbls fluid

33.* PRODUCTION

DATE FIRST PRODUCTION 06/21/00		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) 2-1/2" x 1-1/2" x 16' RHAC Pump				WELL STATUS (Producing or shut-in) PRODUCING	
DATE OF TEST 10 day average	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD -->	OIL--BBL. 68	GAS--MCF. 161	WATER--BBL. 4	GAS-OIL RATIO 2368
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE -->	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY API (CRP)	

34. DISPOSITION OF GAS (Solid, used for fuel, vented, etc.)
Sold & Used for Fuel

35. LIST OF ATTACHMENTS
Logs In Item #26

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

SIGNED *[Signature]* TITLE Senior Operations Engineer DATE 8/9/00

**Accepted by the
Utah Division of
Oil, Gas & Mining
TEST WITNESSED BY
FOR RECORD ONLY**

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

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof, cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			SOUTH WELLS DRAW 6-3-9-16	Garden Gulch Mkr	3780'	
				Garden Gulch 2	4110'	
				Point 3 Mkr	4370'	
				X Mkr	4636'	
				Y-Mkr	4670'	
				Douglas Creek Mkr	4790'	
				BiCarbonate Mkr	5039'	
				B Limestone Mkr	5105'	
				Castle Peak	5656'	
				Basal Carbonate		
			Total Depth (LOGGERS)	5953'		



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
<http://www.blm.gov>



IN REPLY REFER TO:
3106
(UT-924)

September 16, 2004

Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard
Acting Chief, Branch of
Fluid Minerals

Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114
Teresa Thompson
Joe Incardine
Connie Seare



Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT
TO THE
ARTICLES OF INCORPORATION
OF
INLAND PRODUCTION COMPANY

FILED
In the Office of the
Secretary of State of Texas
SEP 02 2004
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1st day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs
Susan G. Riggs, Treasurer

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		

OPERATOR CHANGE WORKSHEET

ROUTING	
1. GLH	.
2. CDW	
3. FILE	

Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective:		9/1/2004
FROM: (Old Operator): N5160-Inland Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721		TO: (New Operator): N2695-Newfield Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721

CA No. Unit: SOUTH WELLS DRAW (GR)

WELL(S)								
NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
S WELLS DRAW 5-3-9-16	03	090S	160E	4301332098	13269	Federal	WI	A
S WELLS DRAW 9-4-9-16	04	090S	160E	4301332102	13269	Federal	WI	A
S WELLS DRAW 10-4-9-16	04	090S	160E	4301332103	13269	Federal	OW	P
S WELLS DRAW 11-4-9-16	04	090S	160E	4301332104	13269	Federal	WI	A
S WELLS DRAW 12-3-9-16	03	090S	160E	4301332105	13269	Federal	OW	P
S WELLS DRAW 13-3-9-16	03	090S	160E	4301332106	13269	Federal	OW	OPS
S WELLS DRAW 14A-4-9-16	04	090S	160E	4301332107	13269	Federal	OW	P
S WELLS DRAW 15-4-9-16	04	090S	160E	4301332108	13269	Federal	WI	A
S WELLS DRAW 16-4-9-16	04	090S	160E	4301332110	13269	Federal	OW	P
S WELLS DRAW 6-3-9-16	03	090S	160E	4301332137	13269	Federal	OW	P
S WELLS DRAW 11-3-9-16	03	090S	160E	4301332138	13269	Federal	OW	OPS
S WELLS DRAW 14-3-9-16	03	090S	160E	4301332139	13269	Federal	OW	DRL
S WELLS DRAW 15-5-9-16	05	090S	160E	4301332329	13269	Federal	WI	A
S WELLS DRAW 16-5T-9-16	05	090S	160E	4301332433	13269	Federal	OW	P

K
K

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/2004
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/2004
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/2005
- Is the new operator registered in the State of Utah: YES Business Number: 755627-0143
- If **NO**, the operator was contacted on:

6a. (R649-9-2) Waste Management Plan has been received on: IN PLACE
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 2/28/2005
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/28/2005
3. Bond information entered in RBDMS on: 2/28/2005
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
5. Injection Projects to new operator in RBDMS on: 2/28/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UT 0056

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 61BSBDH2912

FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919
2. The **FORMER** operator has requested a release of liability from their bond on: n/a*
The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

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

COMMENTS:

*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05



December 7, 2010

Mr. Dan Jarvis
State of Utah
Division of Oil, Gas and Mining
Post Office Box 145801
Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well
South Wells Draw #6-3-9-16
Monument Butte Field, Lease #UTU-77338
Section 3-Township 9S-Range 16E
Duchesne County, Utah

Dear Mr. Jarvis:

Newfield Production Company herein requests approval to convert the South Wells Draw #6-3-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

I hope you find this application complete; however, if you have any questions or require additional information, please contact me at (303) 893-0102.

Sincerely,

A handwritten signature in black ink, appearing to read "Eric Sundberg", with a long, sweeping horizontal line extending to the right.

Eric Sundberg
Regulatory Lead

RECEIVED
DEC 08 2010
DIV. OF OIL, GAS & MINING

NEWFIELD PRODUCTION COMPANY
APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL
SOUTH WELLS DRAW #6-3-9-16
MONUMENT BUTTE FIELD (GREEN RIVER) FIELD
LEASE #UTU-77338
DECEMBER 7, 2010

TABLE OF CONTENTS

LETTER OF INTENT	
COVER PAGE	
TABLE OF CONTENTS	
UIC FORM 1 – APPLICATION FOR INJECTION WELL	
WELLBORE DIAGRAM OF PROPOSED INJECTION	
WORK PROCEDURE FOR INJECTION CONVERSION	
COMPLETED RULE R615-5-1 QUESTIONNAIRE	
COMPLETED RULE R615-5-2 QUESTIONNAIRE	
ATTACHMENT A	ONE-HALF MILE RADIUS MAP
ATTACHMENT A-1	WELL LOCATION PLAT
ATTACHMENT B	LIST OF SURFACE OWNERS WITHIN ONE-HALF MILE RADIUS
ATTACHMENT C	CERTIFICATION FOR SURFACE OWNER NOTIFICATION
ATTACHMENT E	WELLBORE DIAGRAM – SOUTH WELLS DRAW #6-3-9-16
ATTACHMENT E-1	WELLBORE DIAGRAM – SOUTH WELLS DRAW #4-3-9-16
ATTACHMENT E-2	WELLBORE DIAGRAM – SOUTH WELLS DRAW #5-3-9-16
ATTACHMENT E-3	WELLBORE DIAGRAM – SOUTH WELLS DRAW #10-3-9-16
ATTACHMENT E-4	WELLBORE DIAGRAM – SOUTH WELLS DRAW #11-3-9-16
ATTACHMENT E-5	WELLBORE DIAGRAM – SOUTH WELLS DRAW #Q-3-9-16
ATTACHMENT E-6	WELLBORE DIAGRAM – SOUTH WELLS DRAW #12-3-9-16
ATTACHMENT E-7	WELLBORE DIAGRAM – SOUTH WELLS DRAW #14-3-9-16
ATTACHMENT E-8	WELLBORE DIAGRAM – SOUTH WELLS DRAW FEDERAL #2-3-9-16
ATTACHMENT E-9	WELLBORE DIAGRAM – SOUTH WELLS DRAW FEDERAL #7-3-9-16
ATTACHMENT E-10	WELLBORE DIAGRAM – WELLS DRAW #14A-34-8-16
ATTACHMENT E-11	WELLBORE DIAGRAM – WELLS DRAW FEDERAL #1-4-9-16
ATTACHMENT E-12	WELLBORE DIAGRAM – FEDERAL #42-4-9-16
ATTACHMENT E-18	WELLBORE DIAGRAM – JONAH #7-14-9-16
ATTACHMENT F	WATER ANALYSIS
ATTACHMENT G	FRACTURE GRADIENT CALCULATIONS
ATTACHMENT G-1	FRACTURE REPORTS DATED 6/13/00 – 6/22/00
ATTACHMENT H	WORK PROCEDURE FOR PROPOSED PLUG AND ABANDON
ATTACHMENT H-1	WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL

South Wells Draw #6-3-9-16

Spud Date: 5/15/00
 Put on Production: 6/21/00
 GL: 5573' KB: 5583' KB

Initial Production: 68 BOPD, 161 MCFD
 4 BWPD

Proposed Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (274.70')
 DEPTH LANDED: 286.55'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 141 sx Class "G" plus additives

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 139 jts (5934.31')
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 265 sx PremLite II pls additives; followed by 400 sx 50/50 Poz with additives.
 SET AT: 5931.91' KB
 CEMENT TOP: 553' per CBL

TUBING

SIZE/GRADE/WT: 2-7/8", J-55, 6.5#
 NO. OF JOINTS: 4 jts. (123.53')
 NO. OF JOINTS: 149 jts. (4644.46')
 NO. OF JOINTS: 16 jts. (511.96')
 TUBING ANCHOR: 5289.96'
 NO. OF JOINTS: 2 jts. (5292.76')
 SEATING NIPPLE: 2-7/8" x 1.10'
 SN LANDED AT: 5354.32'
 NO. OF JOINTS: 2 jts. (5355.42')
 TOTAL STRING LENGTH: EOT @ 5416.81'

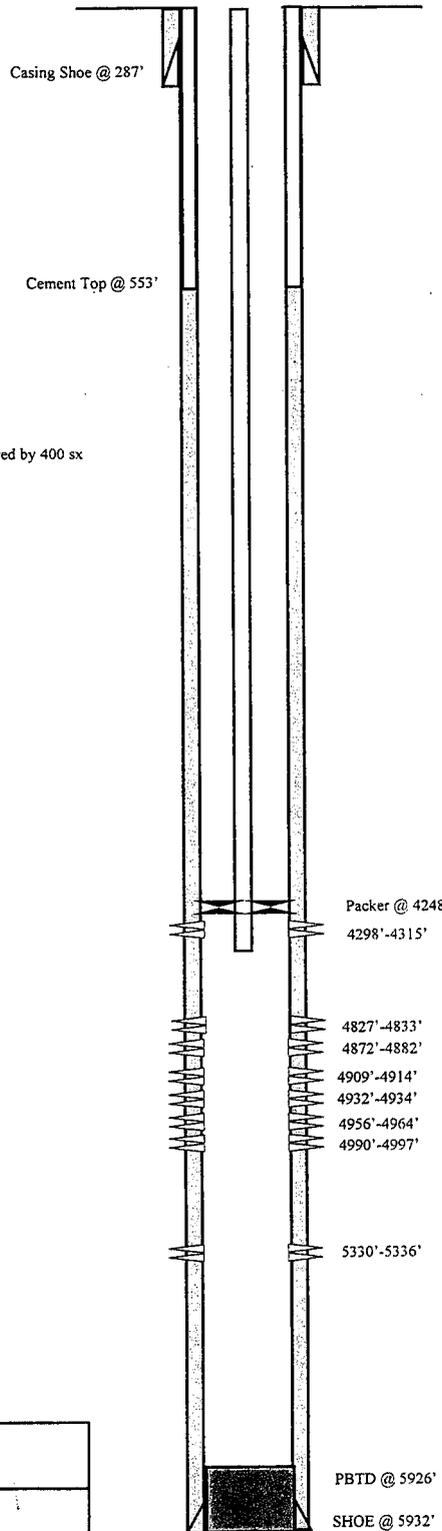
FRAC JOB

6-13-00 5330-5336' **Frac A sand as follows:**
 68,307# 20/40 sand in 475 bbls 1-25 Viking fluid. Breakdown @ 2841 psi. Treated w/avg press of 2600 psi w/avg rate of 29.1 BPM. ISIP-2270 psi, 5 min 2140 psi. Flowed back on 12/64 choke for 3.5 hrs & died. Rec 122 BTF.

6-16-00 4827-4997' **Frac D/C sand as follows:**
 90,400# 20/40 sand in 520 bbls Viking fluid. Perfs broke down @ 2620 psi. Treated w/avg press of 2000 psi w/avg rate of 33.2 BPM. ISIP-2358 psi, 5 min 2311 psi. Left pressure on well. Est. 734 BWTR.

6-16-00 4298-4315' **Frac GB sand as follows:**
 81,240# 20/40 sand in 492 bbls Viking fluid. Perfs broke down @ 3577 psi. Treated w/avg press of 2200 psi w/avg rate of 28.5 BPM. ISIP-2488 psi, 5 min 2461 psi. Flow back on 12/64" ck for 4.5 hrs & died. Recovered 165 BTF.

6/21/00 Hole in tubing. Update rod and tubing details.
 1/17/02 Hole in tubing. Update rod and tubing details.
 03/04/03 Hole in tubing. Update rod and tubing details.
 11/4/05 Parted rods. Update rod and tubing details.
 11/12/08 Parted rods. Updated rod & tubing details.



PERFORATION RECORD

Date	Interval	Perforation Type	Holes
6-13-00	5330'-5336'	4 JSPF	24 holes
6-14-00	4827'-4833'	2 JSPF	12 holes
6-14-00	4872'-4882'	2 JSPF	20 holes
6-14-00	4909'-4914'	2 JSPF	10 holes
6-14-00	4932'-4934'	2 JSPF	4 holes
6-14-00	4956'-4964'	2 JSPF	16 holes
6-14-00	4990'-4997'	2 JSPF	14 holes
6-16-00	4298'-4315'	4 JSPF	68 holes

NEWFIELD

South Wells Draw #6-3-9-16
 1813' FNL & 1876' FWL
 SENW Section 3-T9S-R16E
 Duchesne Co, Utah
 API #43-013-32137 Lease #UTU-77338

PBTD @ 5926'
 SHOE @ 5932'
 TD @ ~~5924~~ **5953'**

WORK PROCEDURE FOR INJECTION CONVERSION

1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
3. Test casing and packer.
4. Rig down and move out.

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS
RULE R615-5-1**

- 1. Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**
- 2. A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

- 2.1 The name and address of the operator of the project.**

Newfield Production Company
1001 17th Street, Suite 2000
Denver, Colorado 80202

- 2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.**

See Attachment A.

- 2.3 A full description of the particular operation for approval is requested.**

Approval is requested to convert the South Wells Draw #6-3-9-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field.

- 2.4 A description of the pools from which the identified wells are producing or have produced.**

The proposed injection well will inject into the Green River Formation.

- 2.5 The names, description and depth of the pool or pools to be affected.**

The injection zone is in the Green River Formation. For the South Wells Draw #6-3-9-16 well, the proposed injection zone is from Garden Gulch to Castle Peak (4110' - 5656'). The confining strata directly above and below the injection zones are the Garden Gulch and the top of the Wasatch Formation or TD, whichever ever is shallower. The Garden Gulch Marker top is at 3779' and the TD is at 5871'.

- 2.6 A copy of a log of a representative well completed in the pool.**

The referenced log for the South Wells Draw #6-3-9-16 is on file with the Utah Division of Oil, Gas and Mining.

- 2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

- 2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

- 2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

See Attachment C.

- 2.10 Any additional information the Board may determine is necessary to adequately review the petition.**

Newfield Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a Federal lease (Lease #UTU-77338) in the Monument Butte Federal (Green River) Field, and this request is for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,
STORAGE AND ENHANCED RECOVERY WELLS
SECTION V – RULE R615-5-2**

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**

- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**
 - 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachments A and B.

 - 2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.**

All logs are on file with the Utah Division of Oil, Gas and Mining.

 - 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.

 - 2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.

 - 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24# surface casing run to 287' KB, and 5-1/2", 15.5# casing run from surface to 5932' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

 - 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.

 - 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F.

The proposed average and maximum injection pressures.

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 2235 psig.

- 2.8 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.**

The minimum fracture gradient for the South Wells Draw #6-3-9-16, for existing perforations (4298' - 5330') calculates at 0.86 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 2235 psig. We may add additional perforations between 3779' and 5871'. See Attachments G and G-1.

- 2.9 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.**

In the South Wells Draw #6-3-9-16, the proposed injection zone (4110' - 5926') is in the Garden Gulch to the Basal Carbonate of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

- 2.10 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.**

See Attachments E through E-18.

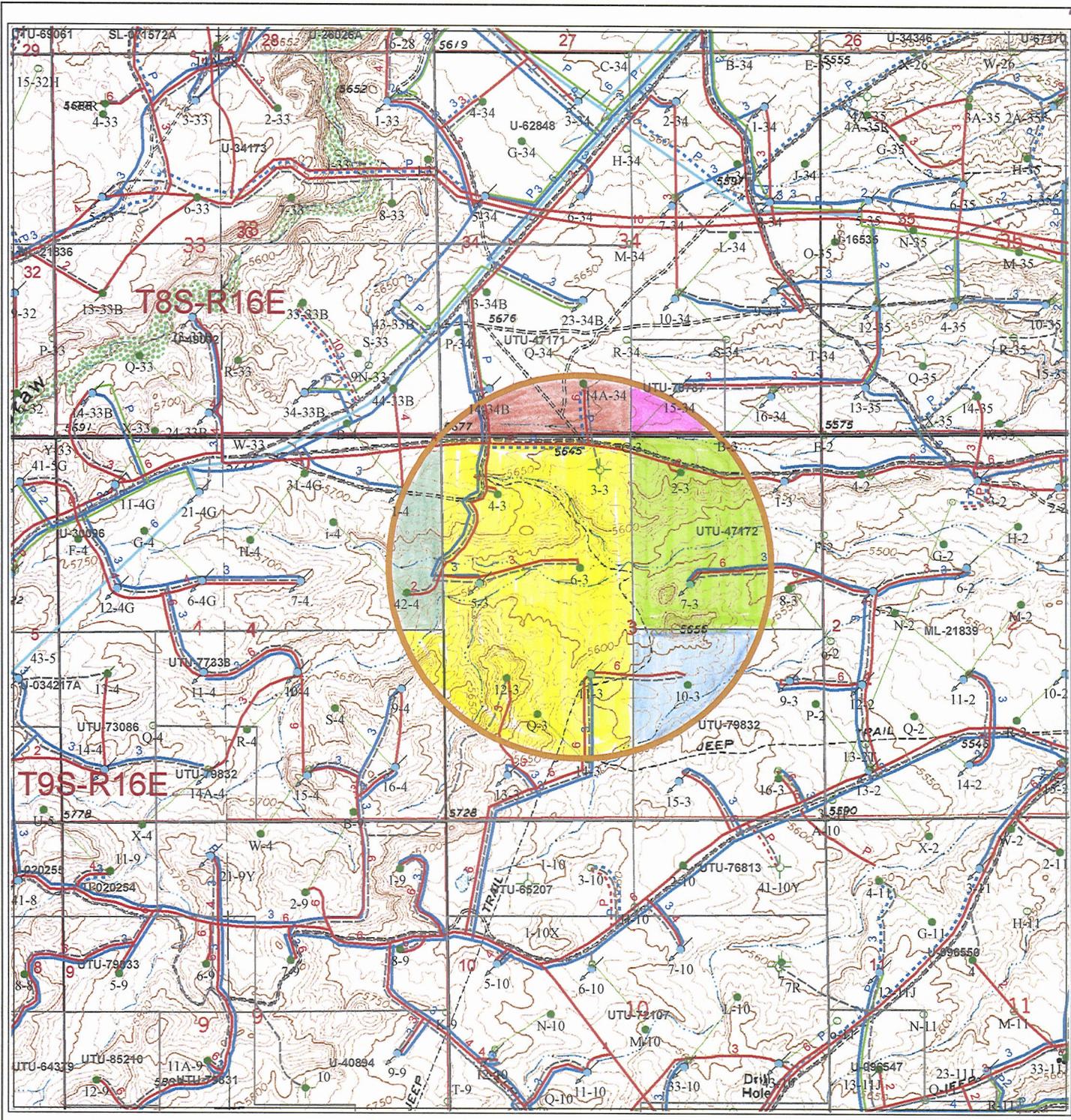
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

- 2.11 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.**

See Attachment C.

- 2.12 Any other information that the Board or Division may determine is necessary to adequately review the application.**

Newfield Production Company will supply any requested information to the Board or Division.



6-3-9-16 1/2mile radius

Well Status

- Location
- ⊙ CTI
- ⊙ Surface Spud
- ⊙ Drilling
- ⊙ Waiting on Completion
- Producing Oil Well
- ⊙ Producing Gas Well
- ⊙ Water Injection Well
- ⊙ Dry Hole
- ⊙ Temporarily Abandoned
- ⊙ Plugged & Abandoned
- ⊙ Shut In

Injection system

- high pressure
- low pressure
- ⋯ proposed
- return
- ⋯ return proposed

Leases

- Leases
- Mining tracts

Gas Pipelines

- Gathering lines
- ⋯ Proposed lines

UTU-77338

UTU-30096

UTU-79832

UTU-47172

UTU-76787

UTU-47171

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DEC 20 2010

S Wells Draws 6-3, GAS & MINING
Section 3, T9S-R16E

NEWFIELD
ROCKY MOUNTAINS 1" = 2000'

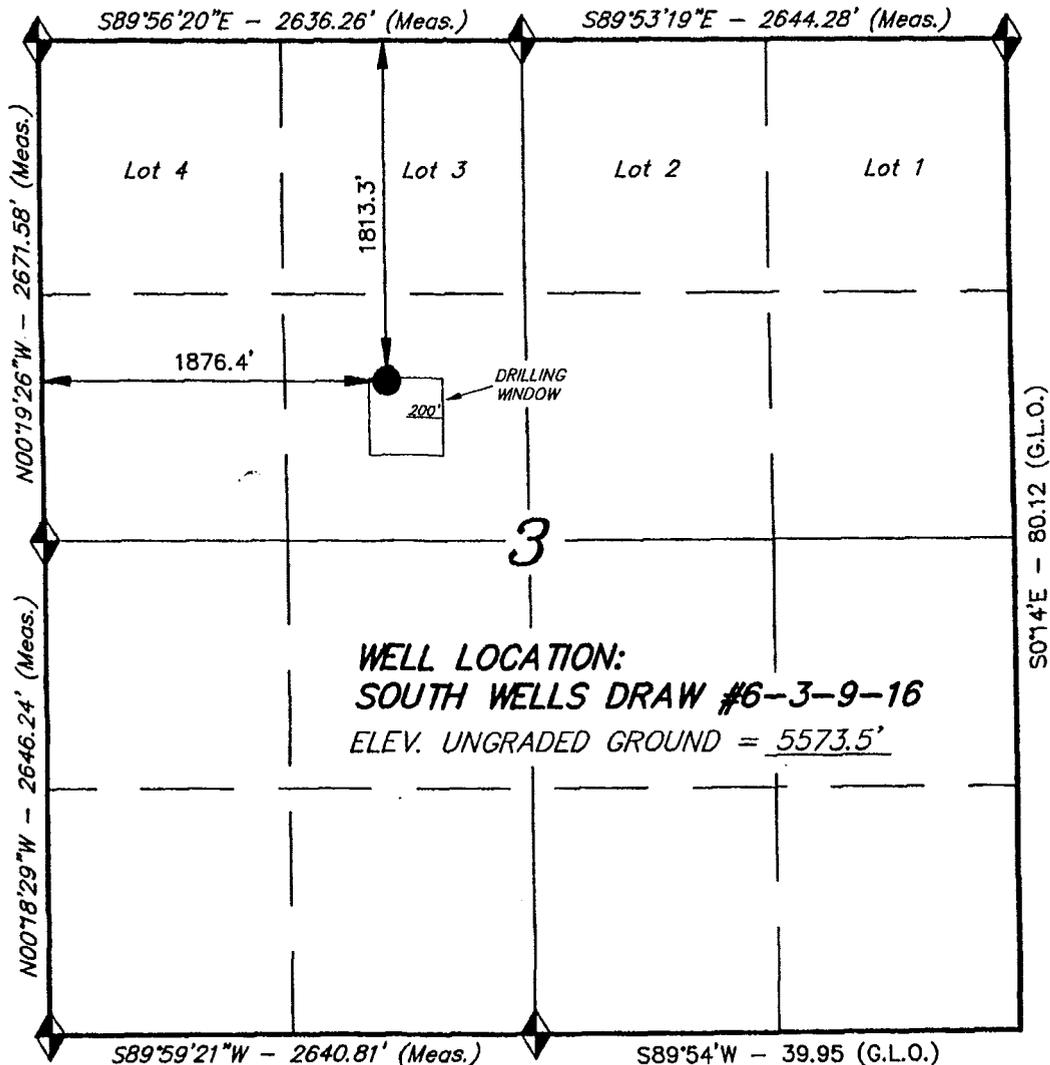
1/2 Mile Radius Map
Duchesne & Uintah Counties

1001 17th Street Suite 2000
Denver, Colorado 80202
Phone: (303) 893-0102

October 5, 2010

T9S, R16E, S.L.B.&M.

INLAND PRODUCTION COMPANY



WELL LOCATION, SOUTH WELLS DRAW #6-3-9-16, LOCATED AS SHOWN IN THE SE 1/4 NW 1/4 OF SECTION 3, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEVE

STEWART
Sam Stewart
 REGISTERED LAND SURVEYOR
 REGISTRATION No. 144102
 STATE OF UTAH

TRI STATE LAND SURVEYING & CONSULTING
 38 WEST 100 NORTH - VERNAL, UTAH 84078
 (801) 781-2501

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)
 BASIS OF BEARINGS IS A GLOBAL POSITIONING SATELITE OBSERVATION

SCALE: 1" = 1000'	SURVEYED BY: G.S. D.S.
DATE: 11-14-98	WEATHER: COOL
REVISIONS:	FILE #

ATTACHMENT B

#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
1	<u>T9S,R16E SLM</u> Section 3: Lots 3-4 (N2NW), S2NW, SW Section 4: SE, NESW	USA UTU-77338 HBP	Newfield Production Company Newfield RMI LLC	USA
2	<u>T9S,R16E SLM</u> Section 4: Lots 1-4 (N2N2), S2N2 Section 5: Lots 1-3 (N2NE, NENW), S2NE, SENW, NESW	USA UTU-30096 HBP	Newfield Production Company Newfield RMI LLC	USA
3	<u>T9S,R16E SLM</u> Section 3: SE Section 4: SESW	USA UTU-79832 HBP	Newfield Production Company Newfield RMI LLC Yates Petroleum Corporation	USA
4	<u>T9S,R16E SLM</u> Section 3: Lots 1-2 (N2NE), S2NE	USA UTU-47172 HBP	Newfield RMI LLC	USA
5	<u>T8S,R16E SLM</u> Section 34: SWSE	USA UTU-76787 HBP	Newfield Production Company Newfield RMI LLC James Fischgrund	USA
6	<u>T8S,R16E SLM</u> Section 34: SW	USA UTU-47171 HBP	Newfield Production Company Newfield RMI LLC Chorney Oil Co. Loex Properties 1984	USA

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DEC 20 2010

DIV. OF OIL, GAS & MINING

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well
South Wells Draw #6-3-9-16

I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed: 
Newfield Production Company
Eric Sundberg
Regulatory Lead

Sworn to and subscribed before me this 7th day of December, 2010.

Notary Public in and for the State of Colorado: 

My Commission Expires 02/10/2013
My Commission Expires: _____



South Wells Draw #6-3-9-16

Initial Production: 68 BOPD, 161 MCFD
4 BWPD

Spud Date: 5/15/00
Put on Production: 6/21/00
GL: 5573' KB: 5583' KB

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts (274.70')
DEPTH LANDED: 286.55'
HOLE SIZE: 12-1/4"
CEMENT DATA: 141 sx Class "G" plus additives

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 139 jts (5934.31')
HOLE SIZE: 7-7/8"
CEMENT DATA: 265 sx PremLite II pls additives; followed by 400 sx 50/50 Poz with additives.
SET AT: 5931.91' KB
CEMENT TOP: 553' per CBL

TUBING

SIZE/GRADE/WT: 2-7/8", J-55, 6.5#
NO. OF JOINTS: 4 jts. (123.53')
NO. OF JOINTS: 149 jts. (4644.46')
NO. OF JOINTS: 16 jts. (511.96')
TUBING ANCHOR: 5289.96'
NO. OF JOINTS: 2 jts. (5292.76')
SEATING NIPPLE: 2-7/8" x 1.10"
SN LANDED AT: 5354.32'
NO. OF JOINTS: 2 jts. (5355.42')
TOTAL STRING LENGTH: EOT @ 5416.81'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22'
SUCKER RODS: 4-1 1/2" wt bars; 14-3/4" guided rods; 81- 3/4" slick rods;
113- 3/4" guided rods; 2- 4"x3/4" pony rods.
PUMP SIZE: 2-1/2"x1-1/2"x 10"x14" RHAC
STROKE LENGTH: 72"
PUMP SPEED: 4.5 SPM

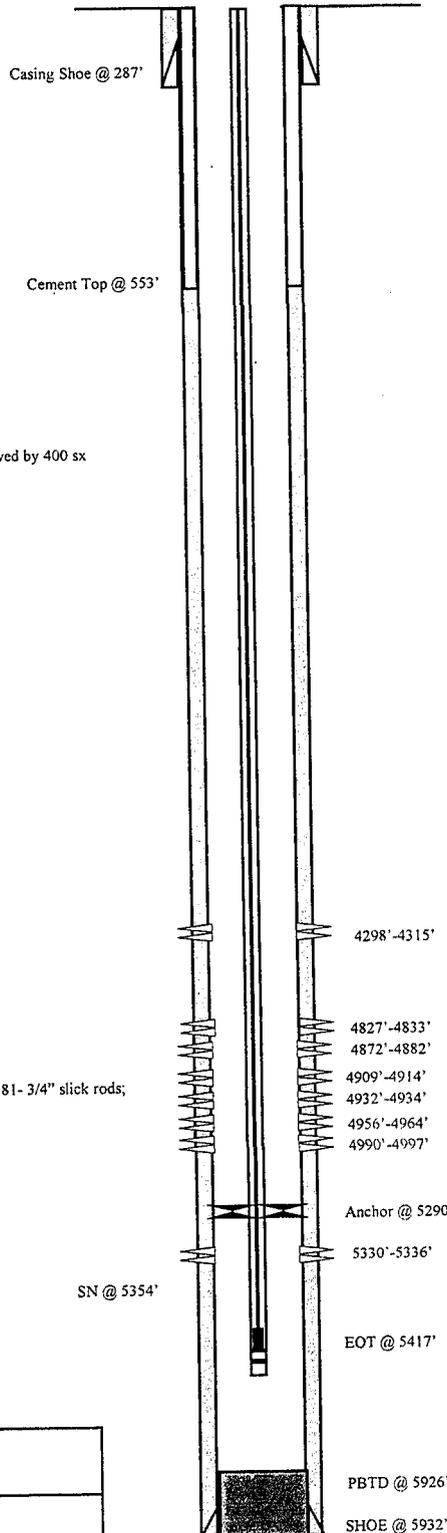
FRAC JOB

6-13-00 5330-5336' **Frac A sand as follows:**
68,307# 20/40 sand in 475 bbls I-25 Viking fluid. Breakdown @ 2841 psi. Treated w/avg press of 2600 psi w/avg rate of 29.1 BPM. ISIP-2270 psi, 5 min 2140 psi. Flowed back on 12/64 choke for 3.5 hrs & died. Rec 122 BTF.

6-16-00 4827-4997' **Frac D/C sand as follows:**
90,400# 20/40 sand in 520 bbls Viking fluid. Perfs broke down @ 2620 psi. Treated w/avg press of 2000 psi w/avg rate of 33.2 BPM. ISIP-2358 psi, 5 min 2311 psi. Left pressure on well. Est. 734 BWTR.

6-16-00 4298-4315' **Frac GB sand as follows:**
81,240# 20/40 sand in 492 bbls Viking fluid. Perfs broke down @ 3577 psi. Treated w/avg press of 2200 psi w/avg rate of 28.5 BPM. ISIP-2488 psi, 5 min 2461 psi. Flow back on 12/64" ck for 4.5 hrs & died. Recovered 165 BTF.

6/21/00
1/17/02
03/04/03
11/4/05
11/12/08
Hole in tubing. Update rod and tubing details.
Hole in tubing. Update rod and tubing details.
Hole in tubing. Update rod and tubing details.
Parted rods. Update rod and tubing details.
Parted rods. Updated rod & tubing details.



PERFORATION RECORD

Date	Interval	JSPF	Holes
6-13-00	5330'-5336'	4 JSPF	24 holes
6-14-00	4827'-4833'	2 JSPF	12 holes
6-14-00	4872'-4882'	2 JSPF	20 holes
6-14-00	4909'-4914'	2 JSPF	10 holes
6-14-00	4932'-4934'	2 JSPF	4 holes
6-14-00	4956'-4964'	2 JSPF	16 holes
6-14-00	4990'-4997'	2 JSPF	14 holes
6-16-00	4298'-4315'	4 JSPF	68 holes

NEWFIELD

South Wells Draw #6-3-9-16
1813' FNL & 1876' FWL
SENW Section 3-T9S-R16E
Duchesne Co, Utah
API #43-013-32137 Lease #UTU-77338

South Wells Draw #4-3

Spud Date: 11/07/99
 Put on Production: 12/07/99
 GL: 5654' KB: 5667'

Initial Production: 56 BOPD, 53 MCFD
 0 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (328.29')
 DEPTH LANDED: 325.99'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 141 sx Class "G" plus additives; followed by 100 sx Class "G" cmt.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55 and N-80
 WEIGHT: 15.5# and 17#
 LENGTH: 142 jts (5939.10')
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 285 sxs PremLite II; followed by 391 sx 50/50 Pozmix plus additives.
 SET AT: 5934.80'

TUBING

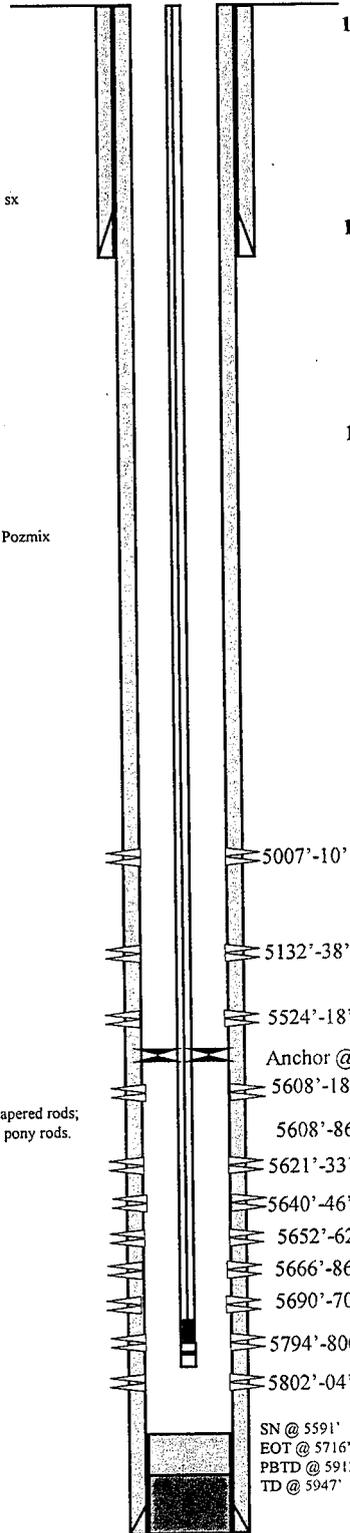
SIZE/GRADE/WT: 2-7/8", 6.5#, M-50
 NO. OF JOINTS: 182 jts
 TUBING ANCHOR: 5557'
 SEATING NIPPLE: 2-3/8" x 1.10"
 TOTAL STRING LENGTH: 5715.07'
 SN LANDED AT: 5591'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22'
 SUCKER RODS: 4 1" scraped rods; 5 7/8" plain rods; 6 3/4" scraped rods; 114 3/4" plain rods; 93 3/4" scraped rods; 1-8", 1-6", 1-2" x 3/4" pony rods.
 PUMP SIZE: 2-1/2"x1-1/2"x16' RHAC pump with 10.5' diptube
 STROKE LENGTH: 74"
 PUMP SPEED: 6 SPM
 LOGS: DIGL/SP/GR/CAL DSN/SDL/GR

FRAC JOB

- 11-30-99 5794-5804' Frac CP sand as follows:**
 52,187# 20/40 sand in 370 bbls
 Viking fluid. Breakdown @ 2736
 psi. Treated w/avg press of 1730 psi
 w/avg rate of 25.9 BPM. ISIP-2190
 psi, 5 min 2130 psi. Left pressure on
 well.
- 11-30-99 5608'-5700' Frac LDC sand as follows:**
 124,100# 20/40 sand in 637 bbls
 Viking fluid. Perfs broke down
 @ 3611 psi. Treated w/avg press
 of 2000 psi w/avg rate of 35.8 BPM.
 ISIP-2770 psi, 5 min 2620 psi.
 Left pressure on well.
- 11-30-99 5007-5218' Frac D/Bi-Carb/B sand as follows:**
 Unable to break down perfs.
 105,750# 20/40 sand in 692 bbls
 Viking fluid. Perfs broke down @
 4400 psi. Treated w/avg press of
 2415 psi w/avg rate of 34.7 BPM.
 ISIP-2280 psi, 5 min 2135 psi. Flow
 back on 12/64" ck for 3 hrs & died.
 Recovered 165 BTF.



PERFORATION RECORD

Date	Interval	Type	Holes
11-30-99	5794'-5800'	4 JSPF	24 holes
11-30-99	5802'-5804'	4 JSPF	8 holes
11-30-99	5608'-5618'	2 JSPF	20 holes
11-30-99	5621'-5633'	2 JSPF	24 holes
11-30-99	5640'-5646'	2 JSPF	12 holes
11-30-99	5652'-5662'	2 JSPF	20 holes
11-30-99	5666'-5686'	2 JSPF	40 holes
11-30-99	5690'-5700'	2 JSPF	20 holes
11-30-99	5007'-5010'	4 JSPF	12 holes
11-30-99	5132'-5138'	4 JSPF	24 holes
11-30-99	5214'-5218'	4 JSPF	16 holes



South Wells Draw #4-3
 789' FNL and 754' FWL
 NWNW Section 3-T9S-R16E
 Duchesne Co, Utah
 API #43-013-32096 Lease #U-77338

South Wells Draw #5-3-9-16

Spud Date: 11/18/99
 Put on Production: 12/21/99
 Put on Injection: 3/4/02
 GL: 5599' KB: 5609'

Initial Production: 63 BOPD, 67 MCFD
 0 BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 8 jts (328.27')
 DEPTH LANDED: 326'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 306 sx Class "G" plus additives

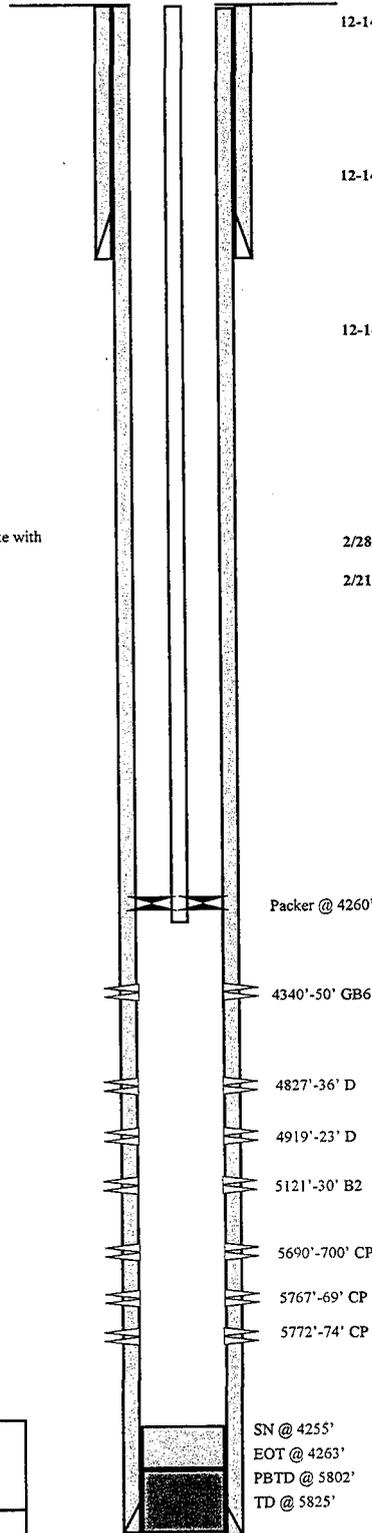
PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 139 jts (5835.89')
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 355 sxs PremLite II; followed by 455 sxPremLite with 1/4# per sx Cello Flake + 2% gel + .3% SM.
 CEMENT TOP AT:
 SET AT: 5831.27'

TUBING

SIZE/GRADE/WT: 2-3/8", 4.7#, LS
 NO. OF JOINTS: 132 jts. (4245.95')
 SEATING NIPPLE: 2-3/8" x 3.10'
 SN LANDED AT: 4255.95'
 TUBING ANCHOR: 4260.95'
 TOTAL STRING LENGTH: EOT @ 4263.25'

Injection Wellbore Diagram



FRAC JOB

12-14-99 5690-5774' **Frac CP sand as follows:**
 46,369# 20/40 sand in 342 bbls Viking fluid. Breakdown @ 3400 psi. Treated w/avg press of 2500 psi w/avg rate of 25 BPM. ISIP-2040 psi, 5 min 1813 psi. Left pressure on well.

12-14-99 4827-4923' **Frac D sand as follows:**
 54,978# 20/40 sand in 395 bbls Viking fluid. Perfs broke down @ 1900 psi. Treated w/avg press of 1900 psi w/avg rate of 26 BPM. ISIP-2245 psi, 5 min 2186 psi. Left pressure on well.

12-14-99 4340-4350' **Frac GB sand as follows:**
 Unable to break down perfs. Re-perfed with additional 4 JSPF. 38,691# 20/40 sand in 315 bbls Viking fluid. Perfs broke down @ 4030 psi. Treated w/avg press of 2200 psi w/avg rate of 22.4 BPM. ISIP-2236 psi, 5 min 2016 psi. Flow back on 12/64" ck for 3 hrs & died. Recovered 110 BTF.

2/28/02 **Convert to injector. Update tubing details.**

2/21/07 **5 Year MIT completed and submitted.**

PERFORATION RECORD

Date	Depth Range	JSPF	Holes
12-14-99	5690'-5700'	4 JSPF	40 holes
12-14-99	5767'-5769'	4 JSPF	8 holes
12-14-99	5772'-5774'	4 JSPF	8 holes
12-14-99	4827'-4836'	4 JSPF	36 holes
12-14-99	4919'-4923'	4 JSPF	16 holes
12-14-99	4340'-4350'	4 JSPF	80 holes
2/27/02	5121'-5130'	4 JSPF	36 holes

NEWFIELD

South Wells Draw #5-3-9-16
 2018' FNL & 491' FWL
 SWNW Section 3-T9S-R16E
 Duchesne Co, Utah
 API #43-013-32098 Lease #U-77338

South Wells Draw 10-3-9-16

Spud Date: 11-28-06
Put on Production: 03-05-07

GL: 5574' KB: 5586'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts (308.12')
DEPTH LANDED: 319.97' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sxs Class "G" cmt, est 2 bbbs cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 133 jts (5981.80')
DEPTH LANDED: 6001.05' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.
CEMENT TOP AT: 60'

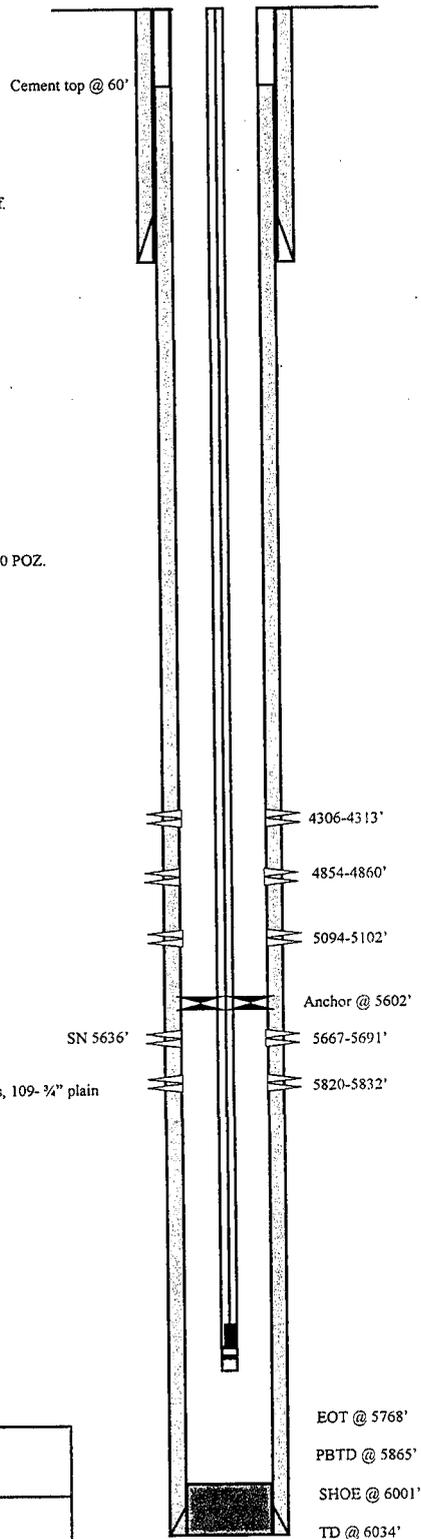
TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 180 jts (5589.90')
TUBING ANCHOR: 5601.90' KB
NO. OF JOINTS: 1 jts (31.18')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5635.88' KB
NO. OF JOINTS: 1 jts (31.18')
NO. OF JOINTS: 3 jts (93.54')
TOTAL STRING LENGTH: EOT @ 5768.30' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
SUCKER RODS: 1-2' X 3/4" pony rods, 100- 3/4" scraped rods, 109- 3/4" plain rods, 10- 3/4" scraped rods, 6- 1 1/2" weighted rods.
PUMP SIZE: 2-1/2" x 1-1/2" x 20.5' RHAC w/SM plunger
STROKE LENGTH: 86"
PUMP SPEED, SPM: 5 SPM

Wellbore Diagram



Initial Production: BOPD,
MCFD, BWPD

FRAC JOB

Date	Job ID	Description
02-27-07	5820-5836'	Frac CP3 sands as follows: 70286# 20/40 sand in 562 bbbs Lightning 17 frac fluid. Treated @ avg press of 1656 psi w/avg rate of 24.7 BPM. ISIP 2000 psi. Calc flush: 5818 gal. Actual flush: 5334 gal.
02-27-07	5667-5691'	Frac CP1 sands as follows: 46165# 20/40 sand in 419 bbbs Lightning 17 frac fluid. Treated @ avg press of 1660 psi w/avg rate of 24.7 BPM. ISIP 1900 psi. Calc flush: 5665 gal. Actual flush: 5124 gal.
02-28-07	5094-5102'	Frac B2 sands as follows: 29852# 20/40 sand in 359 bbbs Lightning 17 frac fluid. Treated @ avg press of 2087 psi w/avg rate of 24.3 BPM. ISIP 1900 psi. Calc flush: 5092 gal. Actual flush: 4620 gal.
02-28-07	4854-4860'	Frac D2 sands as follows: 25520# 20/40 sand in 318 bbbs Lightning 17 frac fluid. Treated @ avg press of 2249 w/ avg rate of 24.2 BPM. ISIP 1935 psi. Calc flush: 4852 gal. Actual flush: 4326 gal.
02-28-07	4306-4313'	Frac GB6 sands as follows: 48942# 20/40 sand in 382 bbbs Lightning 17 frac fluid. Treated @ avg press of 2065 w/ avg rate of 24.6 BPM. ISIP 1935 psi. Calc flush: 4304 gal. Actual flush: 4200 gal.

PERFORATION RECORD

Date	Job ID	SPF	Holes
02-27-07	5820-5836'	4 JSPF	16 holes
02-27-07	5667-5691'	4 JSPF	96 holes
02-27-07	5094-5102'	4 JSPF	32 holes
02-28-07	4854-5860'	4 JSPF	24 holes
02-28-07	4306-4313'	4 JSPF	28 holes

NEWFIELD

South Wells Draw 10-3-9-16

1875' FSL & 1901' FEL
NW/SE Section 3-T9S-R16E
Duchesne Co, Utah
API # 43-013-32967; Lease # UTU-79832

South Wells Draw 11-3-9-16

Spud Date: 02/19/02
 Put on Production: 03/29/05
 GL: 5618' KB: 5628'

Initial Production: BOPD,
 MCFD, BWPD

Injection Wellbore Diagram

FRAC JOB

SURFACE CASING

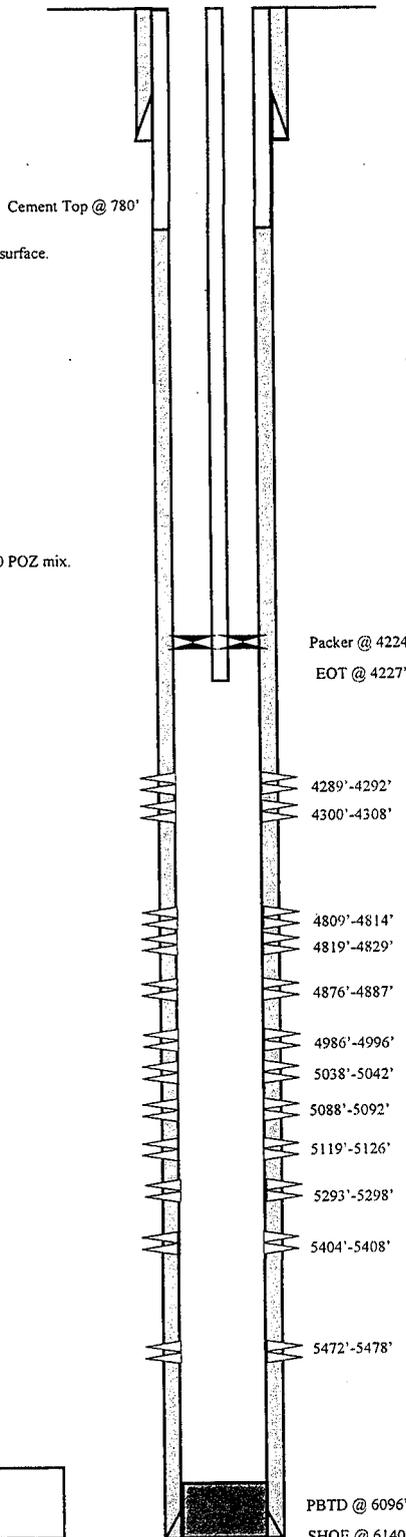
CSG SIZE: 8 5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (303.36')
 DEPTH LANDED: 311.36' KB
 HOLE SIZE: 12 1/4"
 CEMENT DATA: 150 sks Class G Mix. Est 3.5 bbls cement to surface.

PRODUCTION CASING

CSG SIZE: 5 1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 146 jts. (6141.54')
 DEPTH LANDED: 6139.54' KB
 HOLE SIZE: 7 7/8"
 CEMENT DATA: 325 sks Prem. Lite II mixed & 450 sks 50/50 POZ mix.
 CEMENT TOP AT: 780'

TUBING

SIZE/GRADE/WT.: 2 7/8" / J-55 / 6.5#
 NO. OF JOINTS: 129 jts (4207.72')
 SEATING NIPPLE: 2 7/8" (1.10')
 SN LANDED AT: 4219.72' KB
 TOTAL STRING LENGTH: 4227.02' w/ 12.5' KB



03/22/05 5293'-5478'	Frac LODC and A3 sands as follows: 30,164#'s of 20/40sand in 323 bbls lightning 17 frac fluid. Treated @ avg press of 1956, w/avg rate of 24.7 bpm. ISIP 1870 psi. Calc flush: 5291 gal. Actual flush: 5334 gal.
03/22/05 4986'-5126'	Frac B2, B1, B.5,C sands as follows: 90,133#'s of 20/40 sand in 650 bbls lightning 17 frac fluid. Treated @ avg press of 1928, w/avg rate of 24.7 bpm. ISIP 2000 psi. Calc flush: 4984 gal. Actual flush: 4998 gal.
03/23/05 4809'-4887'	Frac D2 and D1 sands as follows: 120,321#'s of 20/40 sand in 819 bbls lightning 17 frac fluid. Treated @ avg press of 1861, w/avg rate of 24.7 bpm. ISIP 2200 psi. Calc flush: 4807 gal. Actual flush: 4788 gal.
03/23/05 4289'-4308'	Frac BG4 sands as follows: 43,679#'s of 20/40 sand in 388 bbls lightning 17 frac fluid. Treated @ avg press of 2188, w/avg rate of 24.8 bpm. ISIP 2125 psi. Calc flush: 4287 gal. Actual flush: 4200 gal.
9/20/06	Well converted to an Injection well.
10/16/06	MIT completed and submitted.

PERFORATION RECORD

Date	Interval	Tool	Holes
03/16/05	5472'-5478'	4 JSPF	24 holes
03/16/05	5404'-5408'	4 JSPF	16 holes
03/16/05	5293'-5298'	4 JSPF	20 holes
03/22/05	5119'-5126'	4 JSPF	28 holes
03/22/05	5088'-5092'	4 JSPF	16 holes
03/22/05	5038'-5042'	4 JSPF	16 holes
03/22/05	4986'-4996'	4 JSPF	40 holes
03/22/05	4876'-4887'	4 JSPF	44 holes
03/22/05	4819'-4829'	4 JSPF	40 holes
03/22/05	4809'-4814'	4 JSPF	20 holes
03/23/05	4300'-4308'	4 JSPF	32 holes
03/23/05	4289'-4292'	4 JSPF	12 holes

NEWFIELD

South Wells Draw # 11-3-9-16
 2028' FSL & 2008' FWL
 NE/SW Section 3-T9S-R16E
 Duchesne Co, Utah
 API #43-013-32138; Lease #UTU-77338

S. Wells Draw Q-3-9-16

Spud Date: 9/8/2009
 Put on Production: 10/16/2009
 GL: 5612' KB: 5621'

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (307.84')
 DEPTH LANDED: 319.69
 CEMENT DATA: 160 sx class 'g' cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 143 jts (6375.34')
 DEPTH LANDED: 6207.89'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sx prmlite and 400 sx 50/50 poz
 CEMENT TOP AT: 58'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55
 NO. OF JOINTS: 180 jts (5853')
 TUBING ANCHOR: 5856' KB
 NO. OF JOINTS: 2 jts (64.9')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5922' KB
 NO. OF JOINTS: 2 jts (65.0')
 TOTAL STRING LENGTH: EOT @ 5987'

SUCKER RODS

POLISHED ROD: 1 1/2" x 26'
 SUCKER RODS: 4-1 1/2" weight bars, 140- 7/8" guided rods
 PUMP SIZE: RH w/central hydraulic 2 1/2" x 1 1/2" x 20' x 24' RHAC rod pump
 STROKE LENGTH: 144"
 PUMP SPEED, SPM: 5

FRAC JOB

10/13/2009 5911-5917' Frac CP3 sds as follows:
 20,093# 20/40 sand in 353 bbls of Lightning 17 fluid. Treated w/
 ave pressure of 2400 psi w/ ave rate of 24.4 BPM. ISIP 2017 psi,
 5 min @ 1823 psi, 10 min @ 1693 psi, 15 min @ 1665 psi.

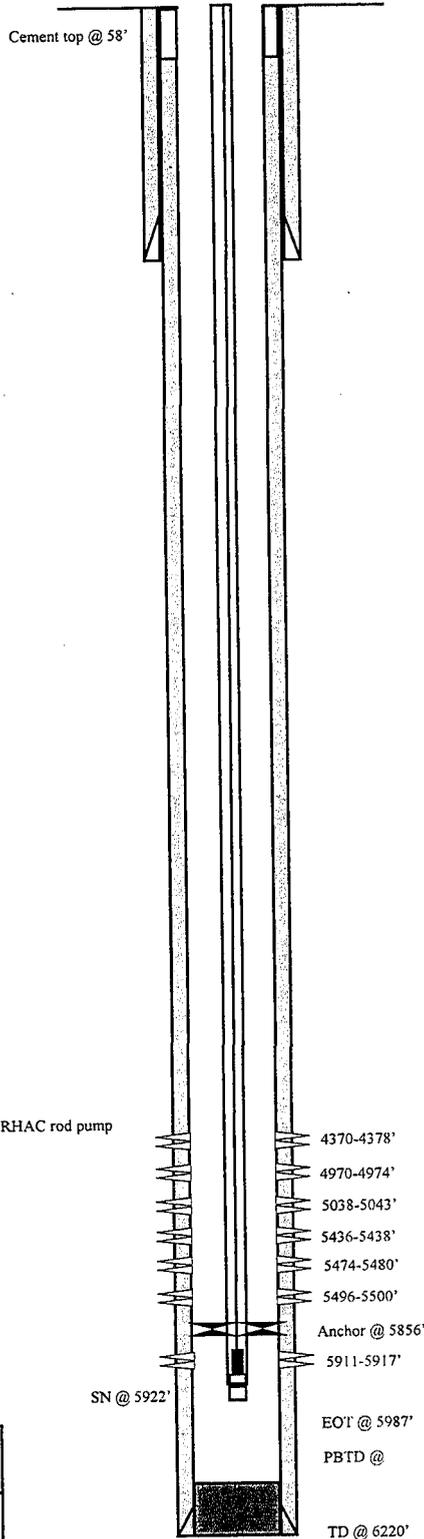
10/13/2009 5436-5500' Frac LODC sds as follows:
 51,477# 20/40 sand in 480 bbls of Lightning 17 fluid. Treated w/
 ave pressure of 2917 psi w/ ave rate of 46.5 BPM. ISIP 2956 psi,
 5 min @ 2498 psi, 10 min @ 2224 psi, 15 min @ 2095 psi.

10/13/2009 4970-5043' Frac C/D3 sds as follows:
 35,733# 20/40 sand in 387 bbls of Lightning 17 fluid. Treated w/
 ave pressure of 2566 psi w/ ave rate of 35.5 BPM. ISIP 2168 psi.

10/13/2009 4370-4378' Frac GB6 sds as follows:
 32,668# 20/40 sand in 365 bbls of Lightning 17 fluid. Treated w/
 ave pressure of 2141 psi w/ ave rate of 24.6 BPM. ISIP 1889 psi.

PERFORATION RECORD

10/13/09	5911-5917'	3 JSPF	18 holes
10/13/09	5496-5500'	3 JSPF	12 holes
10/13/09	5474-5480'	3 JSPF	18 holes
10/13/09	5436-5438'	3 JSPF	6 holes
10/13/09	5038-5043'	3 JSPF	15 holes
10/13/09	4970-4974'	3 JSPF	12 holes
10/13/09	4370-4378'	3 JSPF	24 holes



NEWFIELD

S. Wells Draw Q-3-9-16

842' FSL & 1949' FWL

SE/SW Section 3-T9S-R16E

Duchesne Co, Utah

API # 43-013-34152; Lease # UTU-77338

South Wells Draw #12-3-9-16

Spud Date: 10/29/98
 Put on Production: 9/13/01
 GL: 5684' KB: 5694'

Initial Production: 54.7 BOPD,
 146.1 MCFD, 12.3 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (315')
 DEPTH LANDED: 325'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sx Class "G" plus additives

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 137 jts (5909')
 SET AT: 5918'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 280 sx PremLite modified; followed by 280 sx Class "G" plus additives

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 149 jts (4822.77')
 TUBING ANCHOR: 4825.57'
 NO. OF JOINTS: 2 jts (4890.17')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4891.27 KB
 NO. OF JOINTS: 2 jts (4956.35')
 TOTAL STRING LENGTH: EOT @ 4956.15'

SUCKER RODS

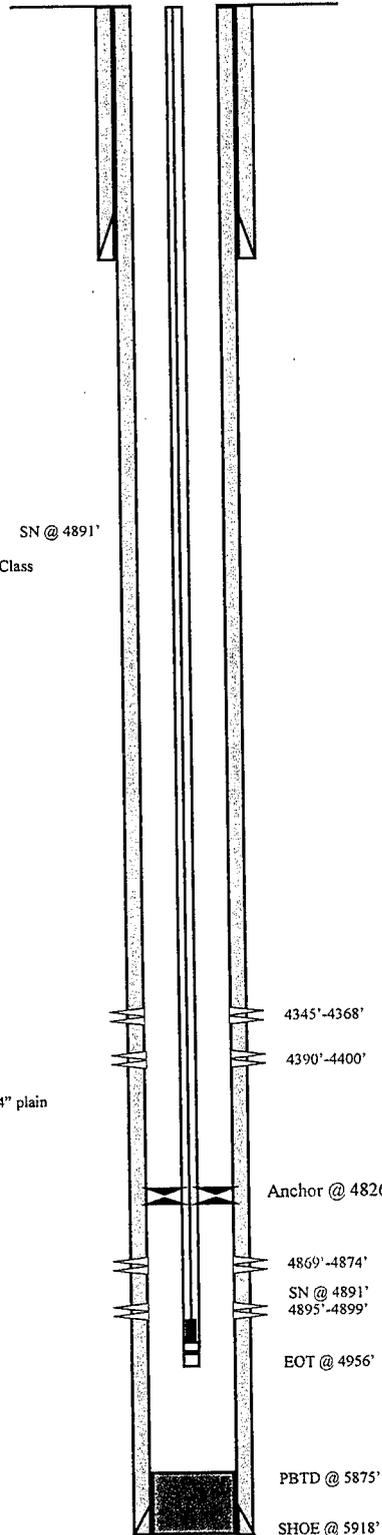
POLISHED ROD: 1-1/2" x 22' SM
 SUCKER RODS: 6-1 1/2" weight bars; 10-3/4" scraped rods; 89-3/4" plain rods, 90-3/4" scraped rods, 1-6, 1-2' x 3/4" pony rod.
 PUMP SIZE: 2-1/2" x 1 1/2" x 15 1/2' RHAC
 STROKE LENGTH: 86"
 PUMP SPEED, SPM: 4.5 SPM
 LOGS: DIGL/SP/GR/CAL

FRAC JOB

9/10/01	4869'-4899'	Frac D1 sands as follows: 43,420# 20/40 sand in 391 bbls Viking I-25 fluid. Treated @ avg press of 2125 psi w/avg rate of 31 BPM. ISIP 2000 psi.
9/10/01	4345'-4400'	Frac GB sands as follows: 128,420# 20/40 sand in 892 bbls Viking I-25 fluid. Treated @ avg press of 1925 psi w/avg rate of 31.2 BPM. ISIP 2140 psi. Flowed for 8.5 hrs then died.
9/19/02		Stuck pump. Update rod and tubing details.
11/12/03		Stuck pump. Update rod details.
4/12/04		Pump change. Update rod details.

PERFORATION RECORD

9/10/01	4895'-4899'	4 JSPF	16 holes
9/10/01	4869'-4874'	4 JSPF	20 holes
9/10/01	4390'-4400'	4 JSPF	40 holes
9/10/01	4345'-4368'	4 JSPF	92 holes



South Wells Draw #12-3-9-16
 1980' FSL & 844' FWL
 NWSW Section 3-T9S-R16E
 Duchesne Co, Utah
 API #43-013-32105 Lease #U-77338

TD @ 6000'

South Wells Draw 14-3-9-16

Spud Date: 2/18/2002
 Put on Production: 1/27/2005
 GL: 5615' KB:5627'

Initial Production: BOPD,
 MCFD, BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (303.12')
 DEPTH LANDED: 311.12' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 150sxs Class "G" cmt, est 4.5 bbl cmt to surf.

PRODUCTION CASING

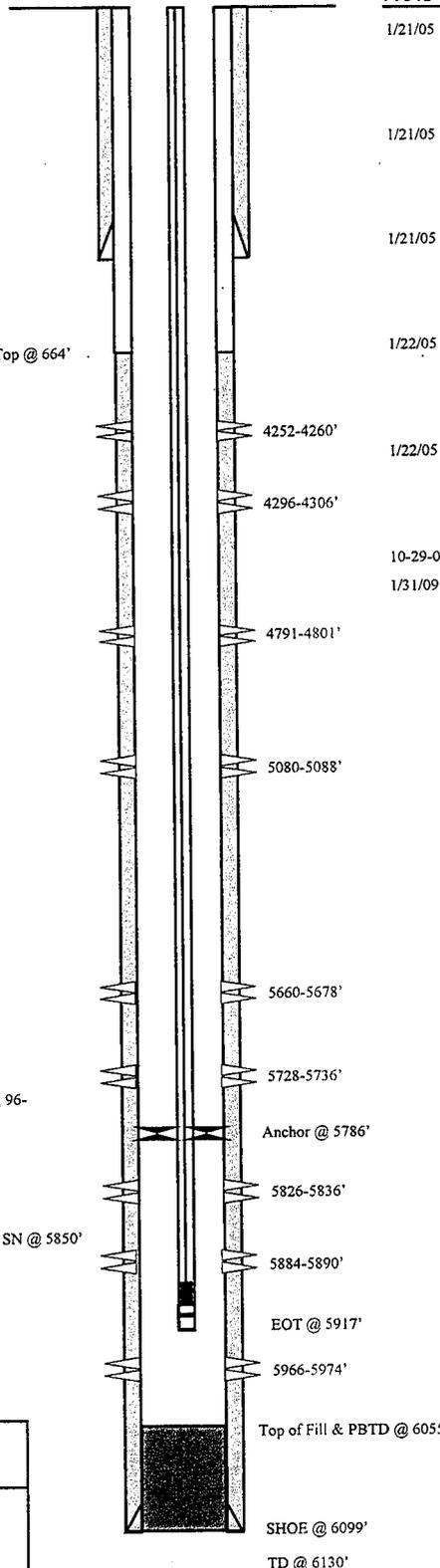
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 145 jts. (6100.78')
 DEPTH LANDED: 6098.78' KB
 HOLE SIZE: 7 7/8"
 CEMENT DATA: 350 sxs Prem. Lite II & 450 sxs 50/50 POZ mix
 CEMENT TOP AT: 664'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55
 NO. OF JOINTS: 179 jts (5773.90')
 TUBING ANCHOR: 5785.90'
 NO. OF JOINTS: 2 jts (61.33')
 SEATING NIPPLE: 2 7/8" (1.10')
 SN LANDED AT: 5850.03'
 NO. OF JOINTS: 2 jts (65.11')
 TOTAL STRING LENGTH: EOT @ 5916.69'

SUCKER RODS

POLISHED ROD: 1 1/2" x 22'
 SUCKER RODS: 1-6', 1-2', 1-8' x 3/4" pony rods; 99-3/4" guided rods; 96-3/4" slick rods; 32-3/4" guided rods; 6-1 1/2" weight rods
 PUMP SIZE: 2 1/2" x 1 1/2" x 16" x 20' RHAC pump w/ SM Plunger
 STROKE LENGTH: 86"
 PUMP SPEED, SPM: 5 SPM



FRAC JOB

1/21/05 5826'-5974' **Frac CP5, 4, 3 sands as follows:**
 75,962# 20/40 sand in 604 bbls Lightning
 17 frac fluid. Treated @ avg press of 1962 psi
 w/avg rate of 25.5 BPM. ISIP 1880 psi. Calc
 flush: 5824 gal. Actual flush: 5863 gal.

1/21/05 5660'-5736' **Frac CP2, 1 sands as follows:**
 100,304# 20/40 sand in 734 bbls Lightning
 17 frac fluid. Treated @ avg press of 1885 psi
 w/avg rate of 25.4 BPM. ISIP 1930 psi. Calc
 flush: 5658 gal. Actual flush: 5657 gal.

1/21/05 5080'-5088' **Frac B2 sands as follows:**
 35,296# 20/40 sand in 349 bbls Lightning
 17 frac fluid. Treated @ avg press of 1995 psi
 w/avg rate of 25.2 BPM. ISIP 1980 psi. Calc
 flush: 5078 gal. Actual flush: 5077 gal.

1/22/05 4791'-4801' **Frac D1 sands as follows:**
 26,035# 20/40 sand in 281 bbls Lightning
 17 frac fluid. Treated @ avg press of 1890 psi
 w/avg rate of 14.8 BPM. ISIP 2030 psi. Calc
 flush: 4789 gal. Actual flush: 4788 gal.

1/22/05 4252'-4306' **Frac CB6 and 4 sands as follows:**
 63,646# 20/40 sand in 474 bbls lightning Frac
 17 fluid. Treated @ avg press of 2271 psi
 w/avg rate of 25.4 BPM. ISIP 2425 psi. Calc
 flush: 4250 gal. Actual flush: 4158 gal.

10-29-07 Tubing Leak. Updated rod & tubing details.
 1/31/09 Pump Change. Updated r & t details.

PERFORATION RECORD

Date	Depth Range	Tool	Holes
1/18/05	5966-5974'	4 JSPF	32 holes
1/18/05	5884-5890'	4 JSPF	24 holes
1/18/05	5826-5836'	4 JSPF	40 holes
1/21/05	5728-5736'	4 JSPF	32 holes
1/21/05	5660-5678'	4 JSPF	72 holes
1/21/05	5080-5088'	4 JSPF	32 holes
1/21/05	4791-4801'	4 JSPF	40 holes
1/22/05	4296-4306'	4 JSPF	40 holes
1/22/05	4252-4260'	4 JSPF	32 holes

NEWFIELD

South Wells Draw 14-3-9-16
 846' FSL & 1951' FWL
 SWSE Section 3-T9S-R16E
 Duchesne Co, Utah
 API #43-013-32139; Lease #UTU-77338

South Wells Draw Federal #2-3-9-16

Spud Date: 10-18-2006
Put on Production: 2-26-2007

GL: 5621' KB: 5633'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts (310.28')
DEPTH LANDED: 314.77' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 144 jts. (6284.59')
DEPTH LANDED: 6297.84' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.
CEMENT TOP AT: 104'

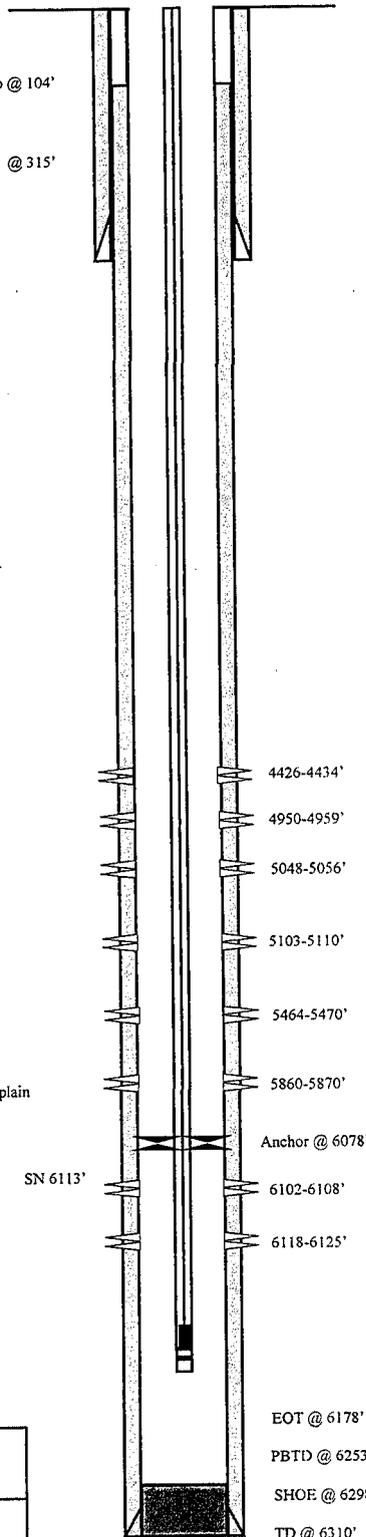
TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 192 jts (6066.48')
TUBING ANCHOR: 6078.48' KB
NO. OF JOINTS: 1 jts (31.64')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 6112.92' KB
NO. OF JOINTS: 2 jts (63.14')
TOTAL STRING LENGTH: EOT @ 6177.61' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
SUCKER RODS: 1-2" X 3/4" pony rods, 99- 3/4" guided rods, 129- 3/4" plain rods, 10- 3/4" guided rods, 6- 1 1/2" weighted rods.
PUMP SIZE: 2-1/2" x 1-1/2" x 14.5' RHAC w/SM plunger
STROKE LENGTH: 86"
PUMP SPEED, SPM: 5 SPM

Wellbore Diagram



Initial Production: BOPD,
MCFD, BWPD

FRAC JOB

02-16-07	6102-6125'	Frac CP5 sands as follows: 29892# 20/40 sand in 381 bbls Lightning 17 frac fluid. Treated @ avg press of 2343 psi w/avg rate of 24.4 BPM. ISIP 2080 psi. Calc flush: 6100 gal. Actual flush: 5628 gal.
02-16-07	5860-5870'	Frac CP2, & CP1 sands as follows: 24890# 20/40 sand in 336 bbls Lightning 17 frac fluid. Treated @ avg press of 1964 psi w/avg rate of 24.4 BPM. ISIP 1850 psi. Calc flush: 5858 gal. Actual flush: 5334 gal.
02-16-07	5464-5470'	Frac A 3 sands as follows: 24472# 20/40 sand in 329 bbls Lightning 17 frac fluid. Treated @ avg press of 2464 psi w/avg rate of 24.4 BPM. ISIP 2140 psi. Calc flush: 5462 gal. Actual flush: 5418 gal.
02-20-07	5048-5110'	Frac C, D3 sands as follows: 59650# 20/40 sand in 487 bbls Lightning 17 frac fluid. Treated @ avg press of 2067 w/ avg rate of 24.6 BPM. ISIP 2175 psi. Calc flush: 5046 gal. Actual flush: 4578 gal.
02-20-07	4950-4959'	Frac D1 sands as follows: 45245# 20/40 sand in 408 bbls Lightning 17 frac fluid. Treated @ avg press of 2190 w/ avg rate of 24.7 BPM. ISIP 2320 psi. Calc flush: 4948 gal. Actual flush: 4410 gal.
02-20-07	4426-4434'	Frac GB4 sands as follows: 37352# 20/40 sand in 335 bbls Lightning 17 frac fluid. Treated @ avg press of 2155 w/ avg rate of 25 BPM. ISIP 2300 psi. Calc flush: 4424 gal. Actual flush: 4326 gal.

PERFORATION RECORD

01-07-07	6118-6125'	4 JSPF	28 holes
01-07-07	6102-6108'	4 JSPF	24 holes
02-16-07	5860-5870'	4 JSPF	40 holes
02-16-07	5464-5470'	4 JSPF	24 holes
02-16-07	5103-5110'	4 JSPF	28 holes
02-16-07	5048-5056'	4 JSPF	28 holes
02-20-07	4950-4959'	4 JSPF	36 holes
02-20-07	4426-4434'	4 JSPF	32 holes

NEWFIELD

South Wells Draw Federal #2-3-9-16

516' FNL & 1975' FEE

NW/NE Section 3-T9S-R16E

Duchesne Co, Utah

API # 43-013-32963; Lease # UTU-47172

SWD Federal 7-3-9-16

Spud Date: 2-23-07
 Put on Production: 6-19-07
 GL: 5567' KB: 5579'

Initial Production: BOPD,
 MCFD, BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (311.16')
 DEPTH LANDED: 323.01' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

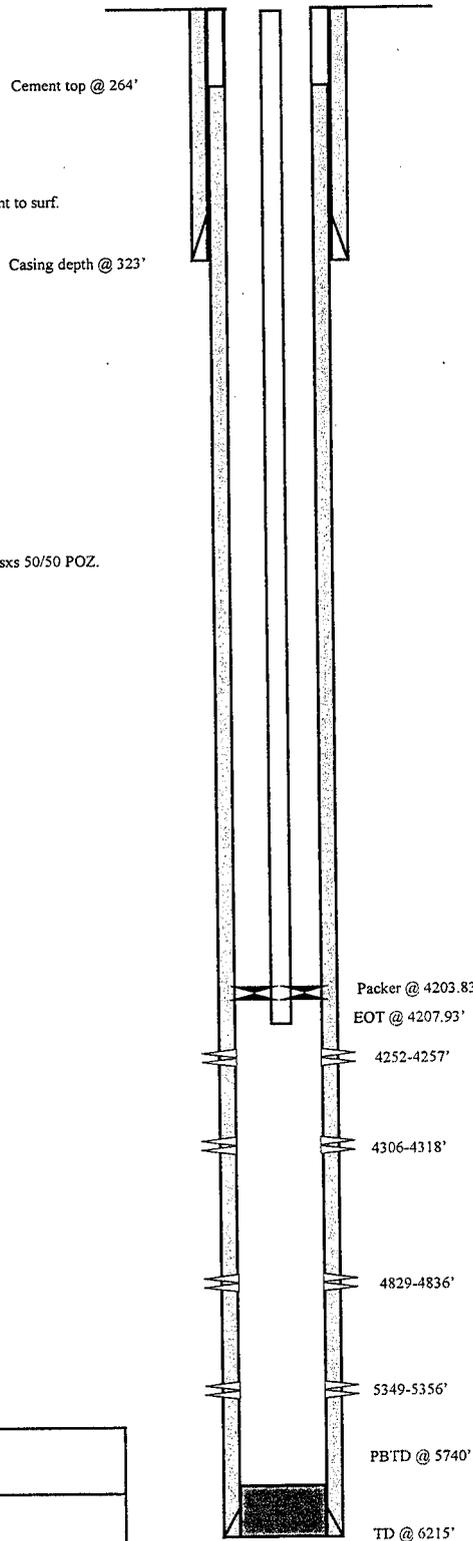
PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 132 jts (5779.95')
 DEPTH LANDED: 5779.20' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.
 CEMENT TOP AT: 264'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 140 jts (4187.43')
 SEATING NIPPLE: 2-7/8" (1-10')
 SN LANDED AT: 4199.43'
 TUBING ANCHOR: (7.40')
 CE (3.30') @ 4203.83'
 TOTAL STRING LENGTH: EOT @ 4207.93' KB

Injection Wellbore Diagram



FRAC JOB

06-12-07	5349-5356'	Frac A3 sands as follows: 29473# 20/40 sand in 367 bbls Lightning 17 frac fluid. Treated @ avg press of 2023 psi w/avg rate of 24.8 BPM. ISIP 1983 psi. Calc flush: 5347 gal. Actual flush: 4843 gal.
06-12-07	4829-4836'	Frac D1 sands as follows: 34894# 20/40 sand in 343 bbls Lightning 17 frac fluid. Treated @ avg press of 1953 psi w/avg rate of 24.7 BPM. ISIP 1984 psi. Calc flush: 4827 gal. Actual flush: 4322 gal.
06-12-07	4252-4318'	Frac GB2, & GB4 sands as follows: 90614# 20/40 sand in 645 bbls Lightning 17 frac fluid. Treated @ avg press of 1862 psi w/avg rate of 24.8 BPM. ISIP 2087 psi. Calc flush: 4250 gal. Actual flush: 4204 gal.
05/04/09		Converted to injection well. Update the detail
05/07/09		MIT completed

PERFORATION RECORD

06-06-07	5349-5356'	4 JSPP	28 holes
06-12-07	4829-4836'	4 JSPP	28 holes
06-12-07	4306-4318'	4 JSPP	48 holes
06-12-07	4252-4257'	4 JSPP	20 holes

NEWFIELD

SWD Federal 7-3-9-16
 2053' FNL & 1855' FEL
 SW/NE Section 3-T9S-R16E
 Duchesne Co, Utah
 API # 43-013-32964; Lease # UTU-47172

Wells Draw 14A-34-8-16

Spud Date: 8/15/2002
Put on Production: 9/17/2002

GL: 5650' KB: 5660'

Initial Production: 18 BOPD,
5.5 MCFD, 74 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (306.12')
DEPTH LANDED: 314.12' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 145 sxs Class "G" cmt, est 3 bbls cmt to surf.

PRODUCTION CASING

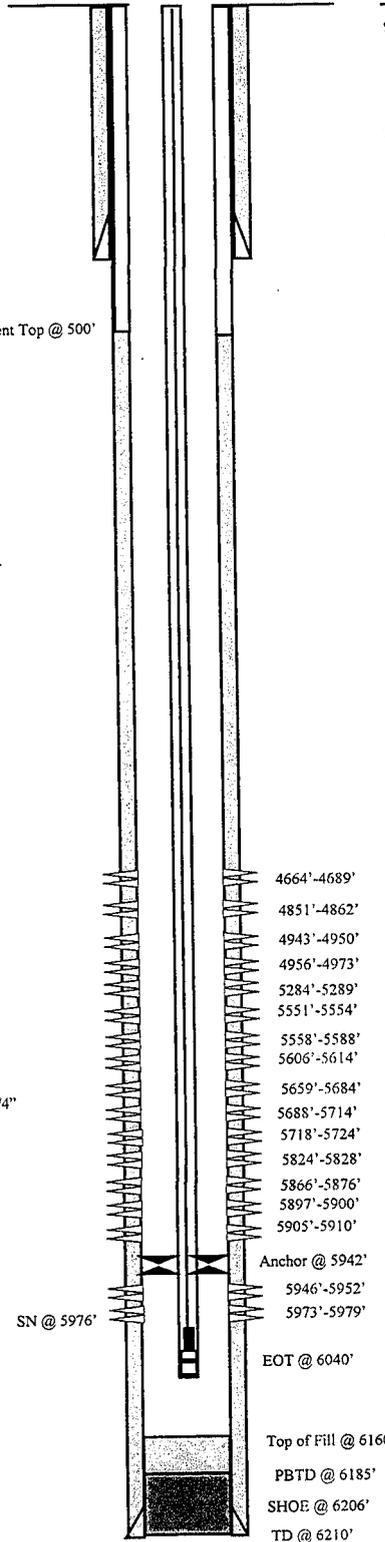
CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 140 jts. (6208.51')
DEPTH LANDED: 6206.11' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.
CEMENT TOP AT: 500'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 189 jts (5932')
TUBING ANCHOR: 5942' KB
NO. OF JOINTS: 1 jt (31.42')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5976.22' KB
NO. OF JOINTS: 2 jts (62.85')
TOTAL STRING LENGTH: EOT @ 6040.62' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
SUCKER RODS: 6-1 1/2" weight bars; 10-3/4" scraped rods; 122-3/4" plain rods, 100-3/4" scraped rods, 1-8", 1-6" x 3/4" pony rods.
PUMP SIZE: 2-1/2" x 1-3/4" x 16' RHAC
STROKE LENGTH: 86"
PUMP SPEED, SPM: 6 SPM
LOGS: DIGL/SP/GR/CAL



FRAC JOB

9/11/02	5824'-5979'	Frac CP .5, 1, 2, 2, 3, 3 sands as follows: 81,000# 20/40 sand in 618 bbls Viking I-25 fluid. Treated @ avg press of 1869 psi w/avg rate of 26 BPM. ISIP 1880 psi. Calc flush: 5824 gal. Actual flush: 5775 gal.
9/11/02	5551'-5724'	Frac LODC sands as follows: 249,000# 20/40 sand in 1631 bbls Viking I-25 fluid. Treated @ avg press of 2235 psi w/avg rate of 24.7 BPM. ISIP 2110 psi. Calc flush: 5551 gal. Actual flush: 5502 gal.
9/11/02	5284'-5289'	Frac B2 sands as follows: 20,836# 20/40 sand in 264 bbls Viking I-25 fluid. Treated @ avg press of 2345 psi w/avg rate of 25 BPM. ISIP 1880 psi. Calc flush: 5284 gal. Actual flush: 5208 gal.
9/12/02	4851'-4973'	Frac D1 and DS2 sands as follows: 144,900# 20/40 sand in 960 bbls Viking I-25 fluid. Treated @ avg press of 1870 psi w/avg rate of 25 BPM. ISIP 2250 psi. Calc flush: 4851 gal. Actual flush: 4767 gal.
9/12/02	4664'-4689'	Frac PB sands as follows: 54,936# 20/40 sand in 433 bbls Viking I-25 fluid. Treated @ avg press of 1658 psi w/avg rate of 25 BPM. ISIP 2140 psi. Calc flush: 4664 gal. Actual flush: 4578 gal.
11/15/03		Pump Change. Update rod details.

PERFORATION RECORD

9/10/02	5973'-5979'	4 JSPF	24 holes
9/10/02	5946'-5952'	4 JSPF	24 holes
9/10/02	5905'-5910'	4 JSPF	20 holes
9/10/02	5897'-5900'	4 JSPF	12 holes
9/10/02	5866'-5876'	4 JSPF	40 holes
9/10/02	5824'-5828'	4 JSPF	16 holes
9/11/02	5718'-5724'	2 JSPF	12 holes
9/11/02	5688'-5714'	2 JSPF	52 holes
9/11/02	5659'-5684'	2 JSPF	50 holes
9/11/02	5606'-5614'	2 JSPF	16 holes
9/11/02	5558'-5588'	2 JSPF	60 holes
9/11/02	5551'-5554'	2 JSPF	6 holes
9/11/02	5284'-5289'	4 JSPF	20 holes
9/12/02	4956'-4973'	4 JSPF	68 holes
9/12/02	4943'-4950'	4 JSPF	28 holes
9/12/02	4851'-4862'	4 JSPF	44 holes
9/12/02	4664'-4689'	2 JSPF	50 holes

NEWFIELD

Wells Draw Unit 14A-34-8-16

729' FSL & 1963' FWL

SE/SW Section 34-T8S-R16E

Duchesne Co, Utah

API #43-013-32330; Lease #UTU-47171

Wells Draw Federal 1-4-9-16

Initial Production: 105 BOPD, 52 MCFD
7 BWPD

Spud Date: 2/9/98
Put on Production: 3/23/98
GL: 5686' KB: 5698'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts
DEPTH LANDED: 286'
HOLE SIZE: 12-1/4"
CEMENT DATA: 120 sxs Premiumplus w/2% CC, 2% gel, 1/2 #/sx flocele

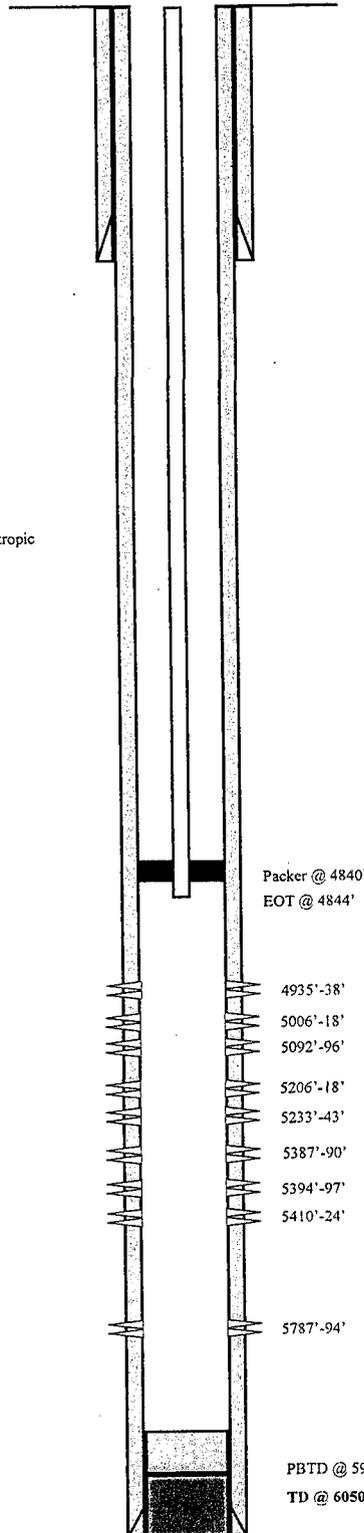
PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 141 jts 6016'
HOLE SIZE: 7-7/8"
CEMENT DATA: 300 sxs Hibond 65 modified and 450 sxs Thixotropic w/10% calseal
CEMENT TOP AT:
SET AT: 6027'

TUBING

SIZE/GRADE/WT: 2-7/8" / M-50 / 6.5#
NO. OF JOINTS: 155 jts (4823.96')
SEATING NIPPLE: 2-7/8" (1.10')
SEAT NIPPLE LANDED @ 4837
CE @ 4840.26'
TOTAL STRING LENGTH: EOT @ 4844.38'

Injection Wellbore Diagram



FRAC JOB

3-8-98 5787'-5794' Frac CP sand as follows: 95,300# 20/40 sand in 515 bbls Delta Frac. Breakdown @ 2691 psi. Treated w/avg press of 1220 psi w/avg rate of 26.2 BPM. ISIP-2075 psi, 5 min 1666 psi. Flowback on 12/64" ck for 3-1/2 hrs & died.

3-11-98 5387'-5424' Frac A sand as follows: 97,300# 20/40 sand in 503 bbls Delta Frac. Breakdown @ 1506 psi. Treated w/avg press of 1600 psi w/avg rate of 28.3 BPM. ISIP-2165 psi, 5 min 2008 psi. Flowback on 12/64" ck for 1-1/2 hrs & died.

3-13-98 5206'-5243' Frac B sand as follows: 97,100# 20/40 sand in 506 bbls Delta Frac. Breakdown @ 1876 psi. Treated w/avg press of 1700 psi w/avg rate of 28.8 BPM. ISIP-3193 psi, 5 min 2527 psi. Flowback on 12/64" ck for 2 hrs & died.

3-18-98 4935'-5096' Frac D/C sands as follows: 97,000# 20/40 sand in 418 bbls Delta Frac. Breakdown @ 2200 psi. Treated w/avg press of 1400 psi w/avg rate of 33 BPM.

12-15-00 Convert to Injection well
12-19-00 MIT completed - tbg detail updated

PERFORATION RECORD

Date	Depth	Tool	Holes
3-7-98	5787'-5794'	4 JSPF	28 holes
3-10-98	5410'-5424'	4 JSPF	56 holes
3-10-98	5394'-5397'	4 JSPF	12 holes
3-10-98	5387'-5390'	4 JSPF	12 holes
3-12-98	5233'-5243'	4 JSPF	40 holes
3-12-98	5206'-5218'	4 JSPF	48 holes
3-17-98	5092'-5096'	4 JSPF	16 holes
3-17-98	5006'-5018'	4 JSPF	48 holes
3-17-98	4935'-4938'	4 JSPF	12 holes

NEWFIELD

Wells Draw Federal 1-4-9-16

746' FNL and 586' FEL

NENE Section 4-T9S-R16E

Duchesne Co, Utah

API #43-013-31971; Lease #U-30096

Federal #42-4-9-16

Spud Date: 3/20/82
 Put on Production: 6/22/82
 GL: 5627' KB: 5641'

Initial Production: 121 BOPD, 430 MCFD
 10 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 9-5/8"
 GRADE: K-55
 WEIGHT: 36#
 LENGTH: 8 JTS
 DEPTH LANDED: 307'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 165 skx Class "G" cmt

PRODUCTION CASING

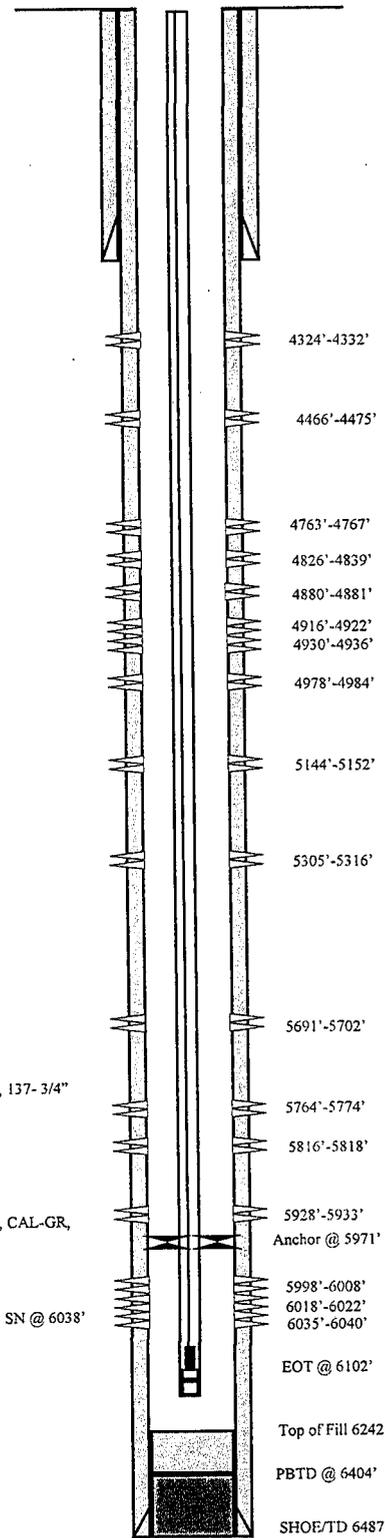
CSG SIZE: 5-1/2"
 GRADE: N-80
 WEIGHT: 17#
 LENGTH: 165 jts
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 720 sx Ideal "G"
 CEMENT TOP AT: ?
 SET AT: 6483'

TUBING

SIZE/GRADE/WT: 2-3/8", J-55, 4.7#
 NO. OF JOINTS: 193 jts (5956.99')
 TUBING ANCHOR: 5970.99' KB
 NO. OF JOINTS: 2 jts (64.15')
 SEATING NIPPLE: 2-3/8"
 SN LANDED AT: 6037.89' KB
 NO. OF JOINTS: 2 jt (62.18')
 TOTAL STRING LENGTH: EOT @ 6101.55' W/14' KB

SUCKER RODS

POLISHED ROD: 1 1/4" x 26'
 SUCKER RODS: 8- 1 1/2" weighted rods, 10- 3/4" scraped rods, 137- 3/4" plain rods, 84 -7/8" scraped rods, 1-2", 1-6" x 3/4" pony rods.
 PUMP SIZE: 2"x 1-1/2"x16"
 STROKE LENGTH: 55"
 PUMP SPEED, SPM: 6 SPM
 LOGS: DIL-GR-SP, FDC-CNL-CAL-CGR-SGR, Prox-Micro Log, CAL-GR, BHC Sonic Cal "F" Log, Litho Density-GR



FRAC JOB

5/12/82	5144'-5152'	27,100 lbs. sand in 365 bbl frac fluid Screened out.
5/20/82	4978'-4984'	69,000 lbs. sand in 657 bbl. frac fluid. Avg treating press. 1750 psi @ 25 bpm. ISIP 2100 psi. Calc. flush: 4978 gal. Actual flush: 2020 gal.
5/27/82	4763'-4881'	165,000 lbs. sand in 1542 bbl. frac fluid. Avg treating press. 2100 psi @ 31 bpm. ISIP 2130 psi. Calc. flush: 4763 gal. Actual flush: 4800 gal.
01/10/03	4818'-4831'	Frac D3 sands as follows: 25,000# 20/40 sand in YF 125 fluid. Treated @ avg press of 3457 psi w/avg rate of 16.3 BPM. ISIP 1855 psi. Calc. flush:-1222 gal. Actual flush: 1171 gal.
01/10/03	4587'-4702'	Frac DSI sands as follows: 149,640# 20/40 sand in YF 125 fluid. Treated @ avg press of 1598 psi w/avg rate of 23.8 BPM. ISIP 1998 psi. Calc. flush:4585 gal. Actual flush: 5200 gal.
01/11/03	4206'-4298'	Frac GB sands as follows: 50,120# 20/40 sand in 471 bbls YF 125 fluid. Treated @ avg press of 2162 psi w/avg rate of 23.6 BPM. ISIP 2060 psi. Calc. flush: 4206 gal. Actual flush: 4168 gal.
01/24/03	5928'-6040'	Frac CP4/BS sands as follows: 50,473# 20/40 sand in 387 bbls YF 125 fluid. Treated @ avg. press. of 3962 psi w/avg rate of 17.1 BPM.. ISIP-2038 psi. Calc. Flush:1538 gal. Actual flush: 1432 gal.
01/24/03	5691'-5818'	Frac CP.5 & CP2 sands as follows: 59,956# 20/40 sand in 453 bbls YF 125 fluid. Treated @ avg press of 3637 psi w/avg rate of 17.1 BPM.. ISIP-1975 psi. Calc. Flush:1484 gal. Actual flush: 1354 gal.
01/25/03	5305'-5316'	Frac A3 sands as follows: 20,595# 20/40 sand in 177 bbls YF 125 fluid. Treated @ avg press of 3860 psi w/avg rate of 16.5 BPM.. ISIP-1945 psi. Calc. Flush:1390 gal. Actual flush: 1278 gal.
01/25/03	4916'-4936'	Frac D3 sands as follows: 25,002# 20/40 sand in 211 bbls YF 125 fluid. Treated @ avg press of 4063 psi w/avg rate of 16.8 BPM.. ISIP-2830 psi. Calc. Flush:1239 gal. Actual flush: 1153 gal.
01/25/03	4324'-4475'	Frac GB4 & PB7 sands as follows: 61,399# 20/40 sand in 478 bbls YF 125 fluid. Treated @ avg press of 2493 psi w/avg rate of 18.7 BPM.. ISIP-2828 psi. Calc. Flush:4324 gal. Actual flush: 4093 gal.

PERFORATION RECORD

5/16/82	5144'-5152'	3 JSPF	24 holes
6/18/82	4978'-4984'	3 JSPF	18 holes
5/26/82	4763', 4766', 4767', 4826', 4829', 4830', 4831', 4832', 4834', 4838', 4839', 4880', 4881'	1 JSPF	13 holes
01/23/03	4324'-4332'	4 JSPF	32 holes
01/23/03	4466'-4475'	4 JSPF	36 holes
01/23/03	4916'-4922'	4 JSPF	24 holes
01/23/03	4930'-4936'	4 JSPF	24 holes
01/23/03	5305'-5316'	4 JSPF	44 holes
01/23/03	5691'-5702'	4 JSPF	44 holes
01/23/03	5764'-5774'	4 JSPF	40 holes
01/23/03	5816'-5818'	4 JSPF	8 holes
01/23/03	5928'-5933'	4 JSPF	20 holes
01/23/03	5998'-6008'	4 JSPF	40 holes
01/23/03	6018'-6022'	4 JSPF	16 holes
01/23/03	6035'-6040'	4 JSPF	20 holes



Federal #42-4-9-16
 2135' FNL 515' FEL
 SENE Section 4-T9S-R16E
 Duchesne Co, Utah
 API #43-013-30638; Lease #U-30096

Wells Draw I-4-9-16

Spud Date: 6/13/2009
 Put on Production: 7/22/2009
 GL: 5720' KB: 5732'

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (276')
 DEPTH LANDED: 327' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sx class 'G' cmt

PRODUCTION CASING

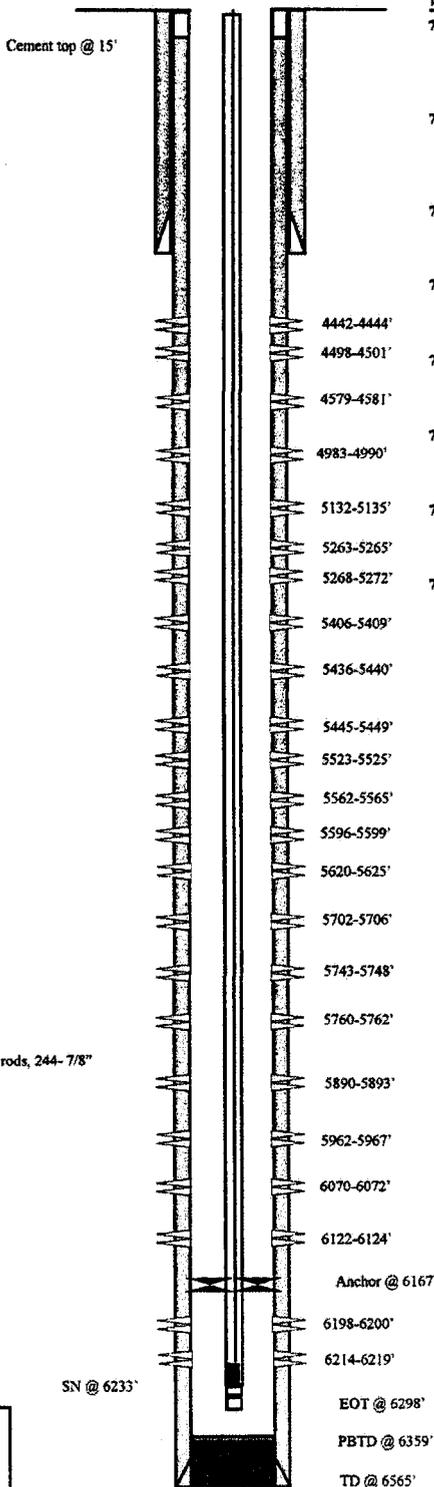
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 165 jts (6409')
 HOLE SIZE: 7-7/8"
 TOTAL DEPTH: 6459.89'
 CEMENT DATA: 275 sx Prem. Lite and 400 sx 50/50 poz
 CEMENT TOP AT: 15'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55
 NO. OF JOINTS: 195 jts (6155')
 TUBING ANCHOR: 6167' KB
 NO. OF JOINTS: 2 jts (63.1')
 SEATING NIPPLE: 2-7/8" (1.1')
 SN LANDED AT: 6233' KB
 NO. OF JOINTS: 2 jts (63.1')
 TOTAL STRING LENGTH: EOT @ 6298'

SUCKER RODS

POLISHED ROD: 1 1/2" x 30' polished rod
 SUCKER RODS 1 - 2' x 7/8"; 1 - 4' x 7/8"; 1 - 6' x 7/8" pony rods, 244 - 7/8"
 8per guided rod, 4 - 1 1/2" weight rods
 PUMP SIZE: 2 1/2" x 1 3/4" x 20' RHAC
 STROKE LENGTH: 122"
 PUMP SPEED, SPM:



FRAC JOB

7-22-09	6070-6219'	Frac CP4, CP5, & CP 3 sands as follows: Frac with 15,423# 20/40 sand in 93 bbls of Lightning 17 fluid.
7-22-09	5890-5967'	Frac CP.5 & CP1 sands as follows: Frac with 25,100# 20/40 sand in 163 bbls of Lightning 17 fluid.
7-22-09	5702-5762'	Frac LODC sands as follows: Frac with 138,935# 20/40 sand in 589 bbls of Lightning 17 fluid.
7-22-09	5523-5625'	Frac LODC as follows: Frac with 161,209# 20/40 sand in 668 bbls of Lightning 17 fluid.
7-22-09	5406-5449'	Frac A3 & A1 sands as follows: Frac with 56,334# 20/40 sand in 242 bbls of Lightning 17 fluid.
7-22-09	5132-5272'	Frac C & B2 sands as follows: Frac with 30,474# 20/40 sand in 174 bbls of Lightning 17 fluid.
7-22-09	4983-4990'	Frac D1 sands as follows: Frac with 30,663# 20/40 sand in 174 bbls of Lightning 17 fluid.
7-22-09	4442-4581'	Frac GB4, GB6, & PB7 sands as follows: Frac with 15,633# 20/40 sand in 97 bbls of Lightning 17 fluid.

PERFORATION RECORD

6214-6219'	3 JSPP	15 holes
6198-6200'	3 JSPP	6 holes
6122-6124'	3 JSPP	6 holes
6070-6072'	3 JSPP	6 holes
5962-5967'	3 JSPP	15 holes
5890-5893'	3 JSPP	9 holes
5760-5762'	3 JSPP	6 holes
5743-5748'	3 JSPP	15 holes
5702-5706'	3 JSPP	12 holes
5620-5625'	3 JSPP	15 holes
5596-5599'	3 JSPP	9 holes
5562-5565'	3 JSPP	9 holes
5523-5525'	3 JSPP	6 holes
5445-5449'	3 JSPP	12 holes
5436-5440'	3 JSPP	12 holes
5406-5409'	3 JSPP	9 holes
5268-5272'	3 JSPP	12 holes
5263-5265'	3 JSPP	6 holes
5132-5135'	3 JSPP	9 holes
4983-4990'	3 JSPP	21 holes
4579-4581'	3 JSPP	6 holes
4498-4501'	3 JSPP	9 holes
4442-4444'	3 JSPP	6 holes

NEWFIELD

Wells Draw I-4-9-16

2148' FNL & 535' FEL SE/NE

Section 4-T9S-R16E

Duchesne Co, Utah

API # 43-013-33810; Lease # UTU-30096

South Wells Draw #3-3

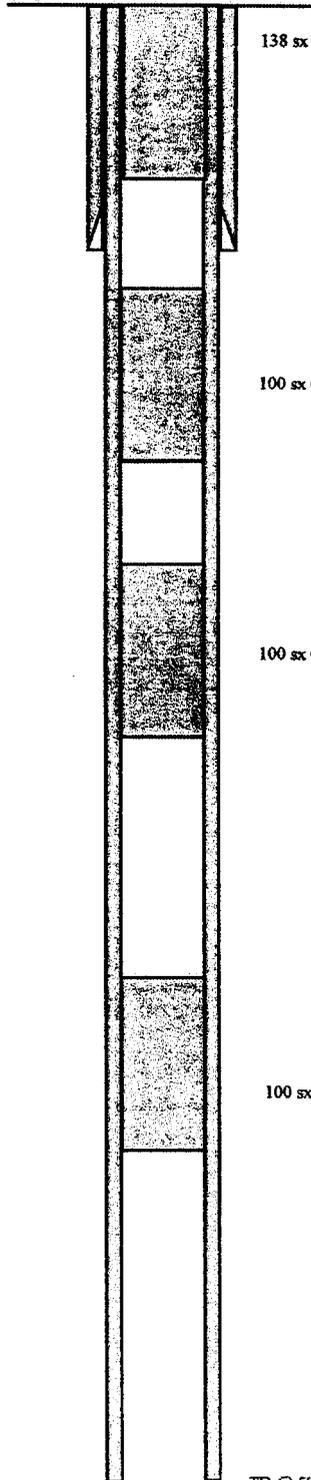
Spud Date: 5/22/00
Put on Production: Well was P&A
GL: 5522' KB: 5632'

Initial Production: Well was P&A 5/30/00

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts (303.9')
DEPTH LANDED: 301.5'
HOLE SIZE: 12-1/4"
CEMENT DATA: 141 sx Class "G" plus additives

P & A
Wellbore Diagram



138 sx Class "G" @ 337' - surface

PLUGGING DETAIL:

Plugged hole with total of 438 sx Class "G" cmt plus additives. Welded on dry hole marker. Cleaned pits and released rig on 5/30/00. Plugging operations were witnessed by Bill Owens from Vernal District BLM office.

100 sx Class "G" @ 1611'-1811'

100 sx Class "G" @ 4786'-4986'

100 sx Class "G" @ 5525'-5725'

TD @ 5970'



South Wells Draw #3-3
469' FNL and 2169' FWL
NENW Section 3-T9S-R16E
Duchesne Co, Utah

API #43-013-32136 Lease #U-77338

BDH 4/26/01



Multi-Chem Group, LLC

Multi-Chem Analytical Laborator
 1553 East Highway 40
 Vernal, UT 84078

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION (158)**
 Well Name: **Monument Butte Injection**
 Sample Point: **Before Desilter**
 Sample Date: **1 / 1 / 2010**
 Sales Rep: **Randy Huber**
 Lab Tech: **John Keel**

Sample ID: **WA-35260**

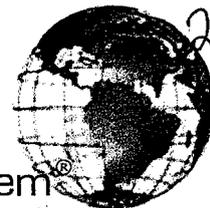
Sample Specifics		Analysis @ Properties in Sample Specifics			
Test Date:	1/5/2010	Cations		Anions	
Temperature (°F):	90		mg/L		mg/L
Sample Pressure (psig):	0	Calcium (Ca):	40.00	Chloride (Cl):	6000.00
Specific Gravity (g/cm³):	1.0040	Magnesium (Mg):	24.40	Sulfate (SO₄):	140.00
pH:	9.1	Barium (Ba):	14.00	Dissolved CO₂:	-
Turbidity (NTU):	-	Strontium (Sr):	-	Bicarbonate (HCO₃):	780.00
Calculated T.D.S. (mg/L):	11140	Sodium (Na):	4139.00	Carbonate (CO₃):	-
Molar Conductivity (µS/cm):	16879	Potassium (K):	-	H₂S:	-
Resitivity (Mohm):	0.5925	Iron (Fe):	2.29	Phosphate (PO₄):	-
		Manganese (Mn):	0.15	Silica (SiO₂):	-
		Lithium (Li):	-	Fluoride (F):	-
		Aluminum (Al):	-	Nitrate (NO₃):	-
		Ammonia NH₃:	-	Lead (Pb):	-
				Zinc (Zn):	-
				Bromine (Br):	-
				Boron (B):	-

Test Conditions		Scale Values @ Test Conditions - Potential Amount of Scale in lb/1000bbl										
Temp °F	Gauge Press. psi	Calcium Carbonate CaCO₃		Gypsum CaSO₄ · 2H₂O		Calcium Sulfate CaSO₄		Strontium Sulfate SrSO₄		Barium Sulfate BaSO₄		Calculated CO₂
		Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	psi
90	0	23.17	69.04	0.00	-2379.40	0.00	-2621.80	-	-	55.12	23.32	0.01
80	0	21.03	68.87	0.00	48.75	0.00	-2691.60	-	-	68.23	23.41	0.01
100	0	24.91	68.69	0.00	51.91	0.00	-2527.60	-	-	44.78	23.21	0.01
120	0	27.06	67.47	0.00	53.11	0.00	-2284.10	-	-	30.04	22.93	0.01
140	0	27.53	66.01	0.00	53.00	0.00	-1996.20	-	-	20.54	22.53	0.01
160	0	26.44	63.35	0.01	51.01	0.01	-1694.10	-	-	14.28	21.97	0.01
180	0	24.21	57.33	0.01	46.14	0.01	-1400.70	-	-	10.07	21.21	0.01
200	0	21.32	48.01	0.01	38.70	0.01	-1130.70	-	-	7.20	20.18	0.01
220	2.51	18.08	38.69	0.01	30.92	0.02	-903.37	-	-	5.11	18.72	0.01
240	10.3	15.10	30.38	0.01	23.66	0.03	-698.20	-	-	3.72	16.87	0.01
260	20.76	12.37	23.68	0.01	17.47	0.04	-526.95	-	-	2.73	14.44	0.01
280	34.54	9.96	18.46	0.01	12.31	0.07	-387.36	-	-	2.01	11.26	0.01
300	52.34	7.88	14.42	0.01	8.07	0.11	-276.02	-	-	1.48	7.11	0.01

Conclusions:

Calcium Carbonate scale is indicated at all temperatures from 80°F to 300°F
 Gypsum Scaling Index is negative from 80°F to 300°F
 Calcium Sulfate Scaling Index is negative from 80°F to 300°F
 Strontium Sulfate scaling was not evaluated
 Barium Sulfate scale is indicated at all temperatures from 80°F to 300°F

Notes:



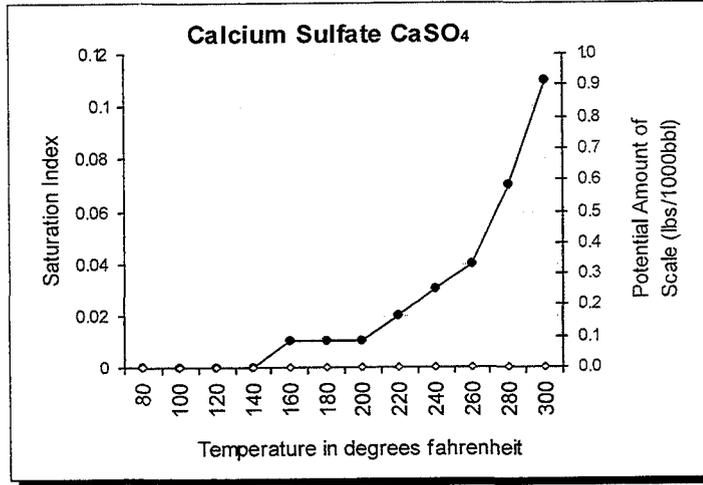
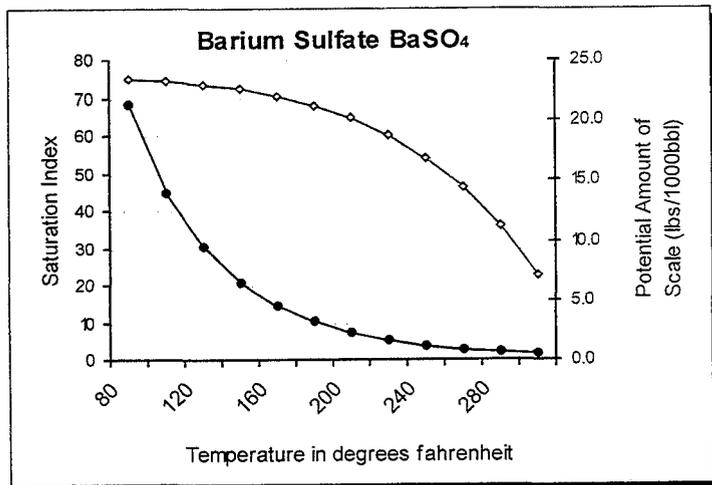
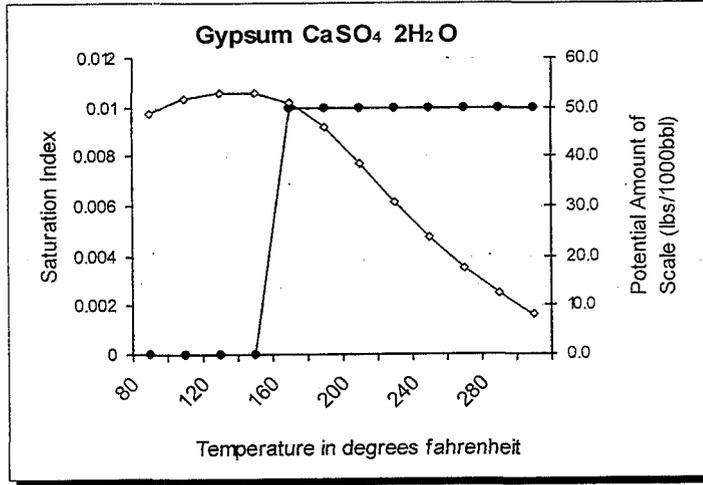
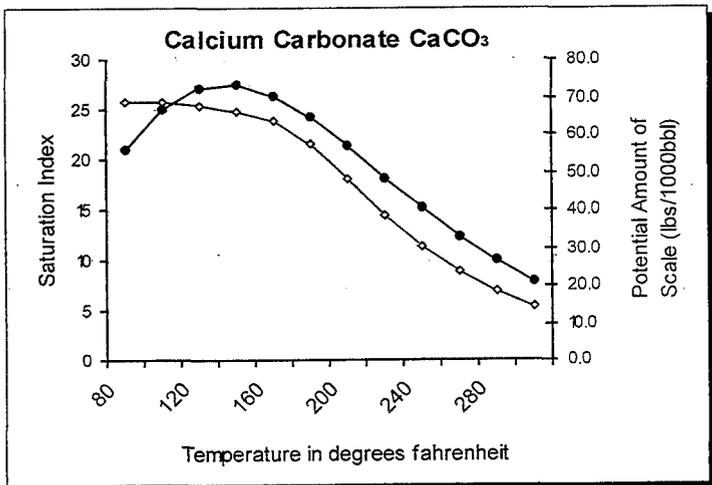
Multi-Chem Group, LLC
 Multi-Chem Analytical Laboratory
 1553 East Highway 40
 Vernal, UT 84078

multi-chem

Scale Prediction Graphs

Well Name: **Monument Butte Injection**

Sample ID: **WA-35260**





Multi-Chem Group, LLC

Multi-Chem Analytical Laboratory
1553 East Highway 40
Vernal, UT 84078

multi-chem

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION (158)**
Well Name: **federal 6-3-9-16**
Sample Point: **tank**
Sample Date: **10/15/2010**
Sales Rep: **Monty Frost**
Lab Tech: **Peter Poulsen**

Sample ID: **WA-48305**

Sample Specifics		Analysis @ Properties in Sample Specifics			
Test Date:	10/18/2010	Cations		Anions	
Temperature (°F):	100		mg/L		mg/L
Sample Pressure (psig):	0	Calcium (Ca):	7.37	Chloride (Cl):	6000.00
Specific Gravity (g/cm³):	1.0070	Magnesium (Mg):	4.79	Sulfate (SO₄):	13.85
pH:	7.3	Barium (Ba):	16.15	Dissolved CO₂:	-
Turbidity (NTU):	-	Strontium (Sr):	-	Bicarbonate (HCO₃):	1366.00
Calculated T.D.S. (mg/L):	11767	Sodium (Na):	4353.00	Carbonate (CO₃):	-
Molar Conductivity (µS/cm):	17829	Potassium (K):	-	H₂S:	-
Resistivity (Mohm):	0.5609	Iron (Fe):	5.87	Phosphate (PO₄):	-
		Manganese (Mn):	0.18	Silica (SiO₂):	-
		Lithium (Li):	-	Fluoride (F):	-
		Aluminum (Al):	-	Nitrate (NO₃):	-
		Ammonia NH₃:	-	Lead (Pb):	-
				Zinc (Zn):	-
				Bromine (Br):	-
				Boron (B):	-

Test Conditions		Scale Values @ Test Conditions - Potential Amount of Scale in lb/1000bbl										
Temp °F	Gauge Press. psi	Calcium Carbonate		Gypsum		Calcium Sulfate		Strontium Sulfate		Barium Sulfate		Calculated CO₂ psi
		CaCO₃	Scale	CaSO₄ · 2H₂O	Scale	CaSO₄	Scale	SrSO₄	Scale	BaSO₄	Scale	
100	0	0.24	-8.80	0.00	-2543.50	0.00	-2671.00	-	-	5.11	15.99	1.74
80	0	0.18	-10.57	0.00	-15.07	0.00	-2836.70	-	-	7.78	18.48	0.81
100	0	0.24	-8.80	0.00	-11.30	0.00	-2671.00	-	-	5.11	15.99	1.01
120	0	0.31	-7.36	0.00	-8.46	0.00	-2426.40	-	-	3.42	13.12	1.13
140	0	0.38	-6.13	0.00	-6.29	0.00	-2137.70	-	-	2.34	9.85	1.27
160	0	0.45	-5.09	0.00	-4.67	0.00	-1834.70	-	-	1.63	6.14	1.43
180	0	0.51	-4.23	0.00	-3.49	0.00	-1539.80	-	-	1.15	1.94	1.57
200	0	0.57	-3.55	0.00	-2.68	0.00	-1267.70	-	-	0.83	-2.81	1.59
220	2.51	0.61	-3.10	0.00	-2.18	0.00	-1038.40	-	-	0.59	-8.54	1.62
240	10.3	0.64	-2.74	0.00	-1.84	0.00	-830.42	-	-	0.43	-14.68	1.64
260	20.76	0.66	-2.51	0.00	-1.63	0.00	-655.89	-	-	0.32	-21.59	1.67
280	34.54	0.66	-2.41	0.00	-1.51	0.00	-512.52	-	-	0.24	-29.38	1.71
300	52.34	0.66	-2.43	0.00	-1.46	0.00	-396.73	-	-	0.18	-38.17	1.74

Conclusions:

Calcium Carbonate Scaling Index is negative from 80°F to 300°F
Gypsum Scaling Index is negative from 80°F to 300°F
Calcium Sulfate Scaling Index is negative from 80°F to 300°F
Strontium Sulfate scaling was not evaluated
Barium Sulfate NO CONCLUSION

Notes:



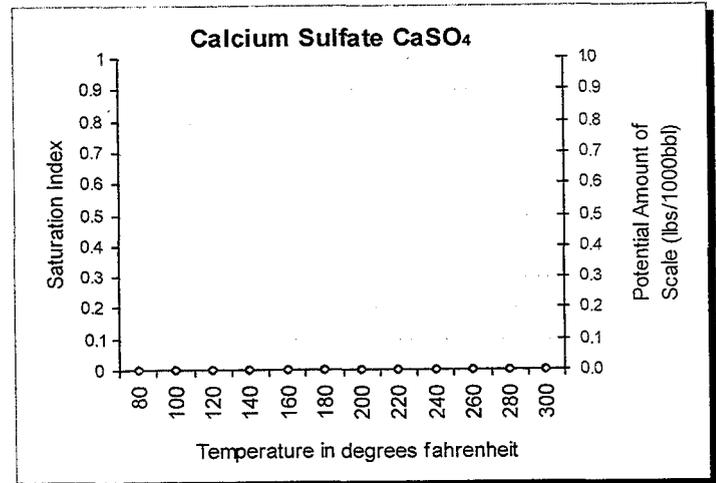
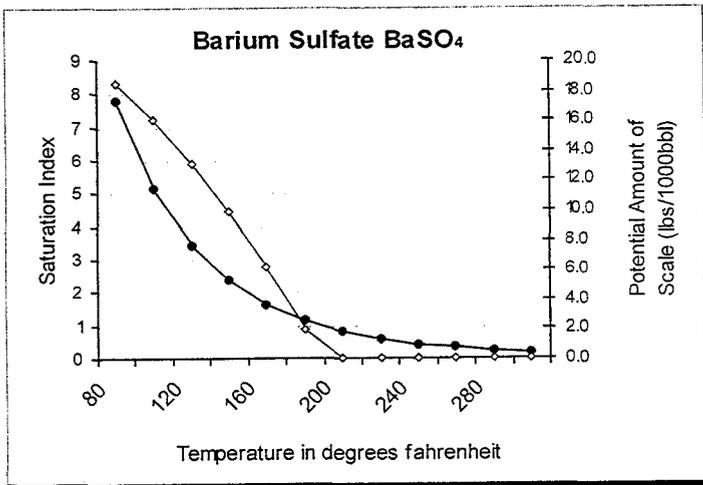
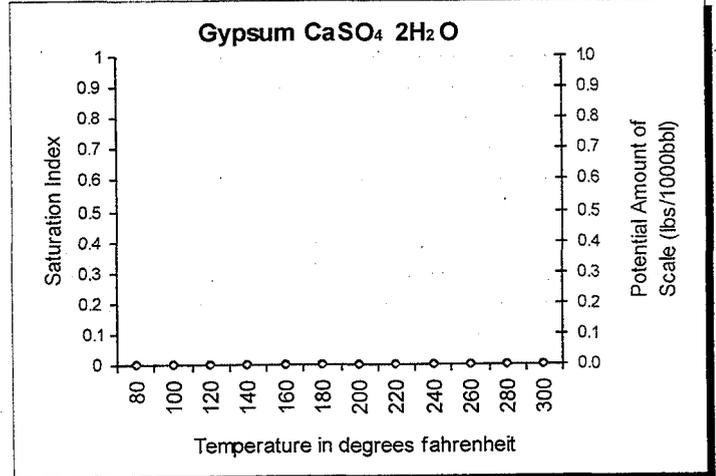
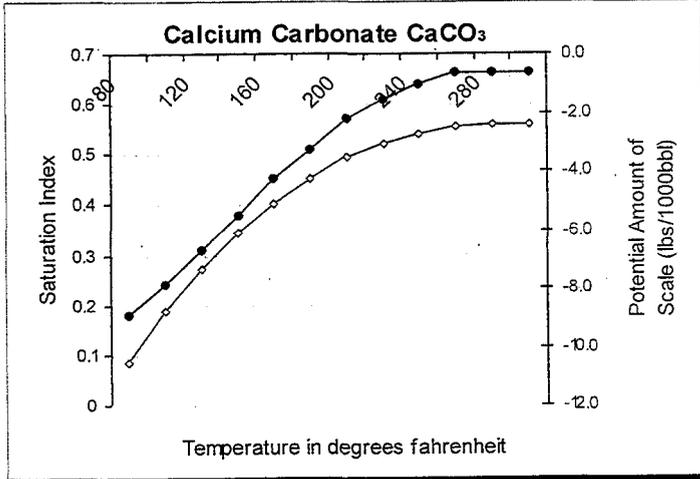
Multi-Chem Group, LLC
 Multi-Chem Analytical Laboratory
 1553 East Highway 40
 Vernal, UT 84078

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Scale Prediction Graphs

Well Name: **federal 6-3-9-16**

Sample ID: **WA-48305**



Attachment "G"

**South Wells Draw #6-3-9-16
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5330	5336	5333	2270	0.86	2235 ←
4827	4997	4912	2358	0.92	2327
4298	4315	4307	2488	1.01	2460
				Minimum	<u><u>2235</u></u>

Calculation of Maximum Surface Injection Pressure

$P_{max} = (\text{Frac Grad} - (0.433 * 1.015)) \times \text{Depth of Top Perf}$
 where pressure gradient for the fresh water is .433 psi/ft and
 specific gravity of the injected water is 1.015.

$\text{Frac Gradient} = (\text{ISIP} + (0.433 * \text{Top Perf.})) / \text{Top Perf.}$

Please note: These are existing perforations; additional perforations may be added during the actual conversion procedure.



DAILY COMPLETION REPORT

WELL NAME: SWD 6-3-9-16

Report Date: 6/13/00

Completion Day: 01

Present operation: Perf & frac A sands

Rig: KES #965

WELL STATUS

Surf Csg: 8 5/8 @ 287' Production csg: 5 1/2" 15.5# J-55 @ 5932' Csg PBDT: 5926'
Tbg: Size: 2 7/8 Wt: 6.5# Grd: J-55 Pkr/EOT: 0 BP/Sand PBDT: 5926'

PERFORATION RECORD

Table with 6 columns: Zone, Perfs, SPF/#shots, Zone, Perfs, SPF/#shots. All rows are blank.

CHRONOLOGICAL OPERATIONS

Date Work Performed: 12-Jun-00

SITP:

SICP: 0

MIRU KES #965. Install 5M frac head. NU 5M BOP. Pressure test csg, blind rams, csg valves & frac head seal to 3000 psi. Talley, drift, PU & TIH W/ 4 3/4" bit, 5 1/2" csg scraper & 191 jts 2 7/8 8rd 6.5# J-55 tbg. Tag PBDT @ 5926'. Pull EOT to 5894'. Swab FL dn to 4800'. TOH W/ tbg. LD bit & scraper. SIFN.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 0 Starting oil rec to date: 0
Fluid lost/recovered today: 0 Oil lost/recovered today: 0
Ending fluid to be recovered: 0 Cum oil recovered: 0
IFL: sfc FFL: 4800' FTP: Choke: Final Fluid Rate: Final oil cut: 0

STIMULATION DETAIL

Base Fluid used: Job Type:

Company:

Procedure or Equipment detail:

Max TP: Max Rate: Total fluid pmpd:
Avg TP: Avg Rate: Total Prop pmpd:
ISIP: 5 min: 10 min: 15 min:

Completion Supervisor: Gary Dietz

COSTS

Table with 2 columns: Item, Cost. Items include KES rig (\$2,366), BOP (\$130), Trucking (\$1,100), Water (\$200), CBL (\$1,500), Tbg head (\$1,500), Tbg (\$15,158), Loc preparation (\$300), Treat-O-Clay (\$125), Csg scraper (\$250), Drilling cost (\$138,958), IPC Supervision (\$200).

DAILY COST: \$161,787
TOTAL WELL COST: \$161,787



DAILY COMPLETION REPORT

WELL NAME: SWD 6-3-9-16

Report Date: 6/14/00

Completion Day: 02

Present operation: Perf / Breakdown / Swab down D/C sands

Rig: KES #965

WELL STATUS

Surf Csg: 8 5/8 @ 287' Production csg: 5 1/2" 15.5# J-55 @ 5932' Csg PBTD: 5926'
Tbg: Size: 2 7/8 Wt: 6.5# Grd: J-55 Pkr/EOT: 0 BP/Sand PBTD: 5926'

PERFORATION RECORD

Table with 6 columns: Zone, Perfs, SPF/#shots, Zone, Perfs, SPF/#shots. Row 1: A sds, 5330-5336', 4/24

CHRONOLOGICAL OPERATIONS

Date Work Performed: 13-Jun-00 SITP: SICP: 0

RU Schlumberger and perf A sds @ 5330-36' W/ 4 JSPF. RD WLT. RU BJ Services and frac A sds W/ 68,307# 20/40 sd in 475 bbls Viking I-25 fluid. Perfs broke dn @ 2841 psi. Treated @ ave press of 2600 psi W/ ave rate of 29.1 BPM. ISIP-2270 psi, 5 min-2140 psi. RD BJ. Flow back frac on 12/64 choke for 3 1/2 hrs & died. Rec 122 BTF (est 26% of frac load). SIFN W/ est 366 BWTR (includes 13 bbls ahead of frac).

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 0 Starting oil rec to date: 0
Fluid lost/recovered today: 366 Oil lost/recovered today: 0
Ending fluid to be recovered: 366 Cum oil recovered: 0
IFL: FFL: FTP: Choke: 12/64 Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

Base Fluid used: Viking I-25 Job Type: Sand frac
Company: BJ Services

Procedure or Equipment detail:

- 3000 gals of pad
1000 gals W/ 1-5 ppg of 20/40 sand
10,000 gals W/ 5-8 ppg of 20/40 sand
718 gals W/ 8 ppg of 20/40 sand
Flush W/ 5250 gals of slick water

COSTS

Table with 2 columns: Description, Cost. Rows: KES rig (\$1,881), BOP (\$130), Schlumberger-A sds (\$908), BJ Services-A sds (\$20,848), Frac water (\$700), IPC Supervision (\$200)

Max TP: 3059 Max Rate: 29.3 BPM Total fluid pmpd: 475 bbls
Avg TP: 2600 Avg Rate: 29.1 BPM Total Prop pmpd: 68,307#
ISIP: 2270 5 min: 2140 10 min: 15 min:

Completion Supervisor: Gary Dietz

DAILY COST: \$24,667
TOTAL WELL COST: \$186,454



DAILY COMPLETION REPORT

WELL NAME: SWD 6-3-9-16

Report Date: 6/15/00

Completion Day: 03

Present operation: Perf / Breakdown / Swab down D/C sands

Rig: KES #965

WELL STATUS

Surf Csg: 8 5/8 @ 287' Production csg: 5 1/2" 15.5# J-55 @ 5932' Csg PBTD: 5926'
Tbg: Size: 2 7/8 Wt: 6.5# Grd: J-55 Pkr/EOT: 0 BP/Sand PBTD: 5190'

PERFORATION RECORD

Table with 6 columns: Zone, Perfs, SPF/#shots, Zone, Perfs, SPF/#shots. Rows include D/C sds and A sds with various perforation ranges and shot counts.

CHRONOLOGICAL OPERATIONS

Date Work Performed: 14-Jun-00 SITP: SICP: 0

RU Schlumberger. RIH W/ 5 1/2" "HE" RBP. Set plug @ 5190'. Pressure test plug to 3000 psi. Perf D/C sds @ 4827-33', 4872-82', 4909-14', 4932-34', 4956-64' & 4990-97' W/ 2 JSPF. 3 runs total. RD WLT. TIH W/ 5 1/2" HD pkr & tbg. Tbg displaced 11 BW on TIH. Set pkr @ 4940'. Breakdown perfs 4956' through 4997' (dn tbg) @ 4200 psi. Establish injection rate of 2 BPM @ 1500 psi. Release pkr & re-set @ 4895'. Breakdown perfs 4827' through 4882' (dn csg) @ 1600 psi. Establish injection rate of 2 BPM @ 600 psi. Perfs 4909-14' & 4932-34' not broke down. Used 4 BW. Release pkr. RU swab equipment. IFL @ sfc. Made 11 swab runs rec 125 BTF W/ tr oil. FFL @ 4800'. TOH W/ tbg. LD pkr. SIFN W/ est 234 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 366 Starting oil rec to date: 0
Fluid lost/recovered today: 132 Oil lost/recovered today: 0
Ending fluid to be recovered: 234 Cum oil recovered: 0
IFL: sfc FFL: 4800' FTP: Choke: Final Fluid Rate: Final oil cut: tr

STIMULATION DETAIL

COSTS

Base Fluid used: Job Type:
Company:
Procedure or Equipment detail:

Table with 2 columns: Cost Item, Amount. Items include KES rig (\$2,010), BOP (\$130), RBP rental (\$600), Schlumberger-D/C sds (\$3,340), Packer rental (\$800), Frac water (\$800), IPC Supervision (\$200).

Max TP: Max Rate: Total fluid pmpd:
Avg TP: Avg Rate: Total Prop pmpd:
ISIP: 5 min: 10 min: 15 min:

Completion Supervisor: Gary Dietz

DAILY COST: \$7,880
TOTAL WELL COST: \$194,334



DAILY COMPLETION REPORT

WELL NAME: SWD 6-3-9-16

Report Date: 6/17/00

Completion Day: 05(b)

Present operation: Pull plugs / C/O PBTD

Rig: KES #965

WELL STATUS

Surf Csg:	8 5/8	@	287'	Production csg:	5 1/2" 15.5# J-55 @ 5932'	Csg PBTD:	5926'
Tbg:	Size: 2 7/8	Wt:	6.5#	Grd:	J-55	Pkr/EOT:	0
						BP/Sand PBTD:	5190'
						BP/Sand PBTD:	4380'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB sds	4298-4315'	4/68	D/C sds	4956-4964'	2/16
D/C sds	4827-4833'	2/12	D/C sds	4990-4997'	2/14
D/C sds	4872-4882'	2/20	A sds	5330-5336'	4/24
D/C sds	4909-4914'	2/10			
D/C sds	4932-4934'	2/4			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 16-Jun-00

SITP:

SICP: 2311

RU Schlumberger and run 5 1/2" "HE" RBP. Set plug @ 4380'. Bleed pressure off well. Rec est 2 BW. RIH W/ 4" perf gun. Perf GB sds @ 4298-4315' W/ 4 JSPF. RU BJ Services and frac GB sds W/ 81,240# 20/40 sd in 492 bbls Viking I-25 fluid. Perfs broke dn @ 3577 psi. Treated @ ave press of 2200 psi W/ ave rate of 28.5 BPM. ISIP-2488 psi, 5 min-2461 psi. RD BJ & WLT. Flowback frac on 12/64 choke for 4 1/2 hrs & died. Rec 165 BTF (est 34% of frac load). SIFN W/ est 1059 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered:	734	Starting oil rec to date:	0
Fluid lost/recovered today:	325	Oil lost/recovered today:	0
Ending fluid to be recovered:	1059	Cum oil recovered:	0
IFL:	FFL:	FTP:	Choke: 12/64
			Final Fluid Rate:
			Final oil cut:

STIMULATION DETAIL

Base Fluid used: Viking I-25 Job Type: Sand frac
 Company: BJ Services

Procedure or Equipment detail:

- 3000 gals of pad
- 1000 gals W/ 1-5 ppg of 20/40 sand
- 10,000 gals W/ 5-8 ppg of 20/40 sand
- 2482 gals W/ 8 ppg of 20/40 sand
- Flush W/ 4200 gals of slick water

COSTS

KES rig	\$1,274
RBP rental	\$600
BJ Services-GB sds	\$12,272
Schlumberger-GB sds	\$2,306
Frac head rental	\$200
Frac tks (3 X 5 days)	\$150
Fuel gas (+/-400 mcf)	\$1,200
IPC Supervision	\$100

Max TP: 2710 Max Rate: 28.9 BPM Total fluid pmpd: 492 bbls
 Avg TP: 2200 Avg Rate: 28.5 BPM Total Prop pmpd: 81,240#
 ISIP: 2488 5 min: 2461 10 min: 15 min:

Completion Supervisor: Gary Dietz

DAILY COST: \$18,102
 TOTAL WELL COST: \$241,258



DAILY COMPLETION REPORT

WELL NAME: SWD 6-3-9-16

Report Date: 6/18/00

Completion Day: 06

Present operation: C/O PBTD / swab well

Rig: KES #965

WELL STATUS

Surf Csg: 8 5/8 @ 287' Production csg: 5 1/2" 15.5# J-55 @ 5932' Csg PBTD: 5926'
Tbg: Size: 2 7/8 Wt: 6.5# Grd: J-55 Pkr/EOT: 4237' BP/Sand PBTD: _____

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB sds	<u>4298-4315'</u>	<u>4/68</u>	D/C sds	<u>4956-4964'</u>	<u>2/16</u>
D/C sds	<u>4827-4833'</u>	<u>2/12</u>	D/C sds	<u>4990-4997'</u>	<u>2/14</u>
D/C sds	<u>4872-4882'</u>	<u>2/20</u>	A sds	<u>5330-5336'</u>	<u>4/24</u>
D/C sds	<u>4909-4914'</u>	<u>2/10</u>			
D/C sds	<u>4932-4934'</u>	<u>2/4</u>			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 17-Jun-00

SITP: _____

SICP: 0

TIH W/ RH & tbg. Tag sd @ 4302'. Rev circ out sd to RBP @ 4380'. Circ hole clean. Release plug. TOH W/ tbg. LD plug. TIH W/ RH & tbg. Tag sd @ 5121'. C/O sd to RBP @ 5190'. Circ hole clean. Lost no fluid. Release plug. TOH W/ tbg. LD plug. TIH W/ NC & tbg to 4237'. SIFN W/ est 1059 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1059 Starting oil rec to date: 0
Fluid lost/recovered today: 0 Oil lost/recovered today: 0
Ending fluid to be recovered: 1059 Cum oil recovered: 0
IFL: _____ FFL: _____ FTP: _____ Choke: _____ Final Fluid Rate: _____ Final oil cut: _____

STIMULATION DETAIL

Base Fluid used: _____ Job Type: _____
Company: _____
Procedure or Equipment detail: _____

COSTS

KES rig \$1,985
BOP \$130
IPC Supervision \$200

Max TP: _____ Max Rate: _____ Total fluid pmpd: _____
Avg TP: _____ Avg Rate: _____ Total Prop pmpd: _____
ISIP: _____ 5 min: _____ 10 min: _____ 15 min: _____
Completion Supervisor: Gary Dietz

DAILY COST: \$2,315
TOTAL WELL COST: \$243,573



ATTACHMENT G-1
8 of 10

DAILY COMPLETION REPORT

WELL NAME: SWD 6-3-9-16

Report Date: 6/20/00

Completion Day: 07

Present operation: Swab well

Rig: KES #965

WELL STATUS

Surf Csg: 8 5/8 @ 287' Production csg: 5 1/2" 15.5# J-55 @ 5932' Csg PBDT: 5926'
Tbg: Size: 2 7/8 Wt: 6.5# Grd: J-55 Pkr/EOT: 5884 BP/Sand PBDT: _____

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB sds	<u>4298-4315'</u>	<u>4/68</u>	D/C sds	<u>4956-4964'</u>	<u>2/16</u>
D/C sds	<u>4827-4833'</u>	<u>2/12</u>	D/C sds	<u>4990-4997'</u>	<u>2/14</u>
D/C sds	<u>4872-4882'</u>	<u>2/20</u>	A sds	<u>5330-5336'</u>	<u>4/24</u>
D/C sds	<u>4909-4914'</u>	<u>2/10</u>			
D/C sds	<u>4932-4934'</u>	<u>2/4</u>			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 19-Jun-00

SITP: 0

SICP: 0

Bleed down well O psi. TIH with 46 jt's tag sand @ 5854'. RU & circulate down to PBDT (5926') Pull 4 jt's EOT @ 5884'. Rig up swab equipment and make 13 runs. Recovered 136 bbls water, 14 bbls oil. Fluid @ surface first run with steady level @ 2,000' 20% oil cut @ end of day.
NOTE lost 55 bbls water during circulation.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1059 Starting oil rec to date: 0
Fluid lost/recovered today: 81 Oil lost/recovered today: 14
Ending fluid to be recovered: 978 Cum oil recovered: 14
IFL: 0 FFL: 2,000 FTP: _____ Choke: _____ Final Fluid Rate: _____ Final oil cut: 20%

STIMULATION DETAIL

Base Fluid used: _____ Job Type: _____
Company: _____
Procedure or Equipment detail: _____

COSTS

KES rig \$2,016
BOP \$130
IPC Supervision \$200

Max TP: _____ Max Rate: _____ Total fluid pmpd: _____
Avg TP: _____ Avg Rate: _____ Total Prop pmpd: _____
ISIP: _____ 5 min: _____ 10 min: _____ 15 min: _____
Completion Supervisor: Pat Wisener

DAILY COST: \$2,346
TOTAL WELL COST: \$245,919



DAILY COMPLETION REPORT

WELL NAME: SWD 6-3-9-16

Report Date: 6/21/00

Completion Day: 08

Present operation: PU rod string / Place well on production

Rig: KES #965

WELL STATUS

Surf Csg: 8 5/8 @ 287' Production csg: 5 1/2" 15.5# J-55 @ 5932' Csg PBDT: 5926'
Tbg: Size: 2 7/8 Wt: 6.5# Grd: J-55 Pkr/EOT: 5401' BP/Sand PBDT: 5926'

PERFORATION RECORD

Table with 6 columns: Zone, Perfs, SPF/#shots, Zone, Perfs, SPF/#shots. Rows include GB sds, D/C sds, and A sds with corresponding perforation data.

CHRONOLOGICAL OPERATIONS

Date Work Performed: 20-Jun-00

SITP: 250

SICP: 250

Bleed gas off well. RU swab equipment. IFL @ 800'. Made 10 swab runs rec 136 BTF (est 82 BW & 54 BO) W/ no sand. FOC @ 50%. FFL @ 2500'. Pump 20 BW dn csg & 12 BW dn tbg. LD excess tbg. TOH W/ tbg & NC. TIH W/ BHA & production tbg as follows: 2 7/8 NC, 2 jts tbg, SN, 2 jts tbg, repaired Randy's 5 1/2" TA (45K), 169 jts 2 7/8 8rd 6.5# J-55 tbg. ND BOP. Strip off 5M frac head. Strip on 3M production tbg head. Set TA @ 5274' W/ SN @ 5338' & EOT @ 5401'. Land tbg W/ 12,000# tension. NU wellhead. SIFN W/ est 928 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 978 Starting oil rec to date: 14
Fluid lost/recovered today: 50 Oil lost/recovered today: 54
Ending fluid to be recovered: 928 Cum oil recovered: 68
IFL: 800' FFL: 2500' FTP: Choke: Final Fluid Rate: Final oil cut: 50%

COSTS

Table with 2 columns: Cost Item, Amount. Items include KES rig (\$2,364), BOP (\$130), TA/SN (\$550), IPC Supervision (\$200).

PRODUCTION TBG STRING DETAIL:

ROD STRING DETAIL:

KB 10.00'
169 2 7/8 J-55 tbg (5263.83')
TA (2.80' @ 5273.83' KB)
2 2 7/8 J-55 tbg (61.56')
SN (1.10' @ 5338.19' KB)
2 2 7/8 J-55 tbg (60.94')
2 7/8 NC (.45')
EOT 5400.68' W/ 10' KB

Empty lines for Rod String Detail.

DAILY COST: \$3,244

TOTAL WELL COST: \$249,163

Completion Supervisor: Gary Dietz



DAILY COMPLETION REPORT

WELL NAME: SWD 6-3-9-16 Report Date: 6/22/00 Completion Day: 09

Present operation: Well on production Rig: KES #965

WELL STATUS

Surf Csg: 8 5/8 @ 287' Production csg: 5 1/2" 15.5# J-55 @ 5932' Csg PBTD: 5926'
Tbg: Size: 2 7/8 Wt: 6.5# Grd: J-55 Pkr/EOT: 5401' BP/Sand PBTD: 5926'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB sds	4928-4315'	4/68	D/C sds	4956-4964'	2/16
D/C sds	4827-4833'	2/12	D/C sds	4990-4997'	2/14
D/C sds	4872-4882'	2/20	A sds	5330-5336'	4/24
D/C sds	4909-4914'	2/10			
D/C sds	4932-4934'	2/4			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 21-Jun-00 SITP: 50 SICP: 80

Bleed gas off well. PU & TIH W/ rod string as follows: Repaired Randy's 2 1/2" X 1 1/2" X 16' RHAC pump, 4-1 1/2" weight rods, 10-3/4" scraped rods, 109 -3/4" plain rods, 88 -3/4" scraped rods, 2-8' & 1-4' X 3/4" pony rods, 1 1/2" X 22' polished rod. Seat pump. Fill tbg W/ 10 BW. Press test pump & tbg to 200 psi. Stroke pump up W/ rig to 800 psi. Good pump action. RU pumping unit. RD MOSU. Place well on production @ 12:00 PM 6/21/00 W/ 74" SL @ 6.5 SPM. Est 938 BWTR.

FINAL REPORT!

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 928 Starting oil rec to date: 68
Fluid lost/recovered today: 10 Oil lost/recovered today: 0
Ending fluid to be recovered: 938 Cum oil recovered: 68
IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

COSTS

KES rig	\$1,133
Rod pump	\$900
"B" rod string	\$5,876
Trucking	\$300
Loc cleanup	\$300
Pit reclaim	\$1,000
Wtr trk (incl disposal)	\$1,400
HO trk	\$350
Sfc equipment	\$77,064
Swab tank (9 days)	\$90
IPC Supervision	\$200

PRODUCTION TBG STRING DETAIL:

KB 10.00'
169 2 7/8 J-55 tbg (5263.83')
TA (2.80' @ 5273.83' KB)
2 2 7/8 J-55 tbg (61.56')
SN (1.10' @ 5338.19' KB)
2 2 7/8 J-55 tbg (60.94')
2 7/8 NC (.45')
EOT 5400.68' W/ 10' KB

ROD STRING DETAIL:

1 1/2" X 22' polished rod
2-8', 1-4' X 3/4" pony rods
88-3/4" scraped rods
109-3/4" plain rods
10-3/4" scraped rods
4-1 1/2" weight rods
Randy's 2 1/2 X 1 1/2 X 16'
RHAC pump W/SMplunger

Pump & TA f/Ashley 7-1-9-15

Rods f/ CD 11-2-9-17

Completion Supervisor: Gary Dietz

DAILY COST: \$88,613
TOTAL WELL COST: \$337,776

ATTACHMENT H

WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 4248'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 161' balance plug using 19 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4. Plug #3 120' balance plug using 14 sx Class "G" cement 60' above Uinta/Green River and extending 60' below
5. Perforate 4 JSPF @ 337'
6. Plug #4 Circulate 95 sx Class "G" Cement down 5-1/2" casing and up the 5-1/2" X 8-5/8" annulus

The approximate cost to plug and abandon this well is \$42,000.

South Wells Draw #6-3-9-16

Initial Production: 68 BOPD, 161 MCFD
4 BWPD

Spud Date: 5/15/00
Put on Production: 6/21/00
GL: 5573' KB: 5583' KB

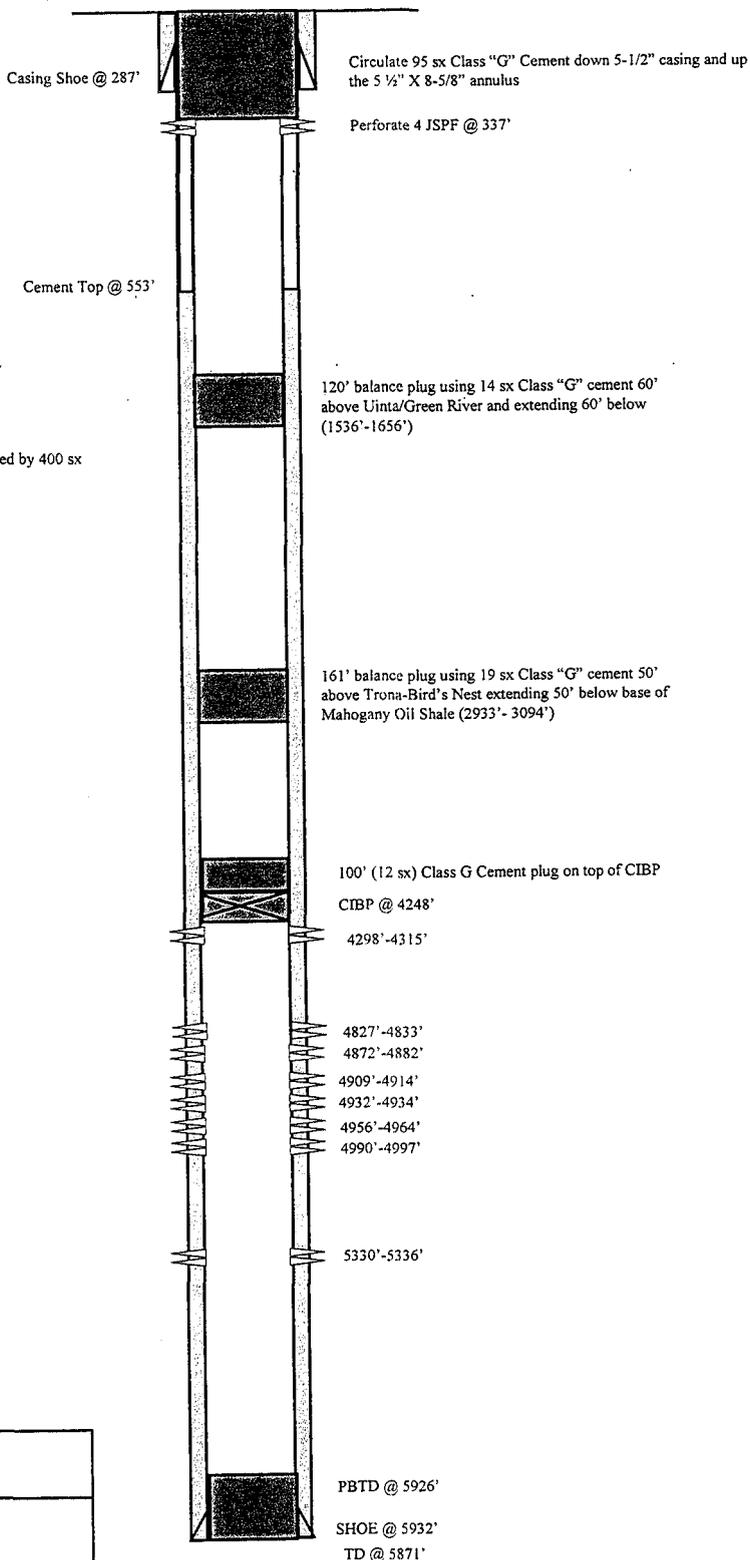
Proposed P & A Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts (274.70')
DEPTH LANDED: 286.55'
HOLE SIZE: 12-1/4"
CEMENT DATA: 141 sx Class "G" plus additives

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 139 jts (5934.31')
HOLE SIZE: 7-7/8"
CEMENT DATA: 265 sx PremLite II pls additives; followed by 400 sx 50/50 Poz with additives.
SET AT: 5931.91' KB
CEMENT TOP: 553' per CBL



NEWFIELD



South Wells Draw #6-3-9-16
1813' FNL & 1876' FWL
SEW Section 3-T9S-R16E
Duchesne Co, Utah
API #43-013-32137 Lease #UTU-77338

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on page 2

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. USA UTU-77338
2. Name of Operator NEWFIELD PRODUCTION COMPANY		6. If Indian, Allottee or Tribe Name.
3a. Address Route 3 Box 3630 Myton, UT 84052	3b. Phone (include are code) 435 646.3721	7. If Unit or CA/Agreement, Name and/or GMBU
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1813 FNL 1876 FWL SENW Section 3 T9S R16E		8. Well Name and No. S WELLS DRAW 6-3-9-16
		9. API Well No. 4301332137
		10. Field and Pool, or Exploratory Area GREATER MB UNIT
		11. County or Parish, State DUCHESNE, UT

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	_____
	<input checked="" type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

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

Newfield Production proposes to convert the above mentioned well from a producing oil well to an injection well.

I hereby certify that the foregoing is true and correct (Printed/ Typed) Eric Sundberg	Title Regulatory Lead
Signature 	Date 11/08/2010

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

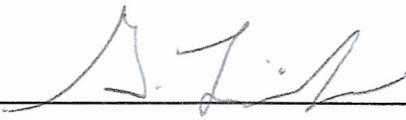
Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

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

AFFIDAVIT OF PUBLICATION

County of Duchesne,
STATE OF UTAH

I, Geoff Liesik on oath, say that I am the EDITOR of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 21 day of December, 2010, and that the last publication of such notice was in the issue of such newspaper dated the 21 day of December, 2010, and that said notice was published on Utahlegals.com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.



Editor

Subscribed and sworn to before me this

22 day of December, 2010



Notary Public



BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-370

IN THE MATTER OF
THE APPLICATION OF
NEWFIELD PRODUCTION COMPANY FOR
ADMINISTRATIVE APPROVAL OF CERTAIN
WELLS LOCATED IN
SECTIONS 33 AND 34,
TOWNSHIP 8 SOUTH,
RANGE 16 EAST, SECTION 15,
TOWNSHIP 9 SOUTH, RANGE 15
EAST, AND SECTIONS 1, 3, AND 14,
TOWNSHIP 9 SOUTH, RANGE 16
EAST, DUCHESNE COUNTY, UTAH, AS
CLASS II INJECTION WELLS.

THE STATE OF UTAH
TO ALL PERSONS INTERESTED IN THE
ABOVE ENTITLED
MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:

Federal 6-33 well located in SE/4 NW/4, Section 33, Township 8 South, Range 16 East

Travis Federal 7-33-8-16 well located in SE/4 NW/4, Section 33, Town-

ship 8 South, Range 16 East
Monument Butte Federal 4-34(1) well located in NW/4 NW/4, Section 34, Township 8 South, Range 16 East
Ashley Federal 8-15-9-15 well located in SE/4 NE/4, Section 15, Township 9 South, Range 15 East

Monument Butte 1-43 well located in NE/4 SE/4, Section 1, Township 9 South, Range 16 East

Monument Butte 1-34 well located in SW/4 SE/4, Section 1, Township 9 South, Range 16 East

South Wells Draw 6-3-9-16 well located in SE/4 NW/4, Section 3, Township 9 South, Range 16 East

South Wells Draw Federal 10-3-9-16 well located in NW/4 SE/4, Section 3, Township 9 South, Range 16 East

Jonah Federal 10-14-9-16 well located in NW/4 SE/4, Section 14, Township 9 South, Range 16 East

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water

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PROOF OF PUBLICATION

CUSTOMER'S COPY

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING, 1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	9001402352	12/20/2010

BEFORE THE DIVISION OF OIL, GAS AND MINING
 DEPARTMENT OF NATURAL RESOURCES
 STATE OF UTAH
 NOTICE OF AGENCY ACTION
 CAUSE NO. UIC-370

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 33 AND 34, TOWNSHIP 9 SOUTH, RANGE 16 EAST, SECTION 15, TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 1, 3, AND 14, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESENE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

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 Federal 6-33 well located in SE/4 NW/4, Section 33, Township 8 South, Range 16 East
 Travis Federal 7-33-8-16 well located in SE/4 NW/4, Section 33, Township 8 South, Range 16 East
 Monument Butte Federal 4-34(I) well located in NW/4 NW Section 34, Township 8 South, Range 16 East
 Ashley Federal 8-15-9-15 well located in SE/4 NE/4, Section 15, Township 9 South, Range 15 East
 Monument Butte 1-43 well located in NE/4 SE/4, Section Township 9 South, Range 16 East
 Monument Butte 1-34 well located in SW/4 SE/4, Section Township 9 South, Range 16 East
 South Wells Draw 6-3-9-16 well located in SE/4 NW/4, Section 3, Township 9 South, Range 16 East
 South Wells Draw Federal 10-3-9-16 well located in NW SE/4, Section 3, Township 9 South, Range 16 East
 Jonah Federal 10-14-9-16 well located in NW/4 SE/4, Section 14, Township 9 South, Range 16 East

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressure and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedure rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 13th day of December, 2010.

STATE OF UTAH
 DIVISION OF OIL, GAS & MINING
 /s/ Brad Hill
 Brad Hill
 Permitting Manager

647204

UPAX

ACCOUNT NAME				
DIV OF OIL-GAS & MINING,				
TELEPHONE	ADORDER# / INVOICE NUMBER			
8015385340	0000647204 /			
SCHEDULE				
Start	12/18/2010	End	12/18/2010	
CUST. REF. NO.				
Newfield				
CAPTION				
DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF A				
SIZE				
73	Lines	2.00	COLUMN	
TIMES	RATE			
4				
MISC. CHARGES	AD CHARGES			
TOTAL COST				
250.28				

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY CORPORATION LEGAL BOOKER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF **BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-370 IN THE MATTER OF THE APPLICATION FOR DIV OF OIL-GAS & MINING**, WAS PUBLISHED BY THE NEWSPAPER AGENCY CORPORATION, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH. NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON UTAHLEGALS.COM INDEFINITELY.

Start 12/18/2010

End 12/18/2010

PUBLISHED ON

SIGNATURE

Sandy Taylor

12/20/2010

VIRGINIA CRAFT
 Notary Public, State of Utah
 Commission # 581409
 My Commission Expires
 January 12, 2014

Virginia Craft

THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"
 PLEASE PAY FROM BILLING STATEMENT

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-370

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 33 AND 34, TOWNSHIP 8 SOUTH, RANGE 16 EAST, SECTION 15, TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 1, 3, AND 14, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

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South Wells Draw 6-3-9-16 well located in SE/4 NW/4, Section 3, Township 9 South, Range 16 East
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Dated this 13th day of December, 2010.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING



Brad Hill
Permitting Manager

Newfield Production Company

**FEDERAL 6-33, TRAVIS FEDERAL 7-33-8-16,
MONUMENT BUTTE FEDERAL 4-34(I), ASHLEY FEDERAL 8-15-9-15,
MONUMENT BUTTE 1-43, MONUMENT BUTTE 1-34,
SOUTH WELLS DRAW 6-3-9-16, SOUTH WELLS DRAW FEDERAL 10-3-9-16,
JONAH FEDERAL 10-14-9-16.**

Cause No. UIC-370

Publication Notices were sent to the following:

Newfield Production Company
1001 17th Street, Suite 2000
Denver, CO 80202

Uintah Basin Standard
268 South 200 East
Roosevelt, UT 84066
via e-mail ubs@ubstandard.com

Salt Lake Tribune
P O Box 45838
Salt Lake City, UT 84145
via e-mail naclegal@mediaoneutah.com

Vernal Office
Bureau of Land Management
170 South 500 East
Vernal, UT 84078

Duchesne County Planning
P O Box 317
Duchesne, UT 84021-0317

Bruce Suchomel
US EPA Region 8
MS 8P-W-GW
1595 Wynkoop Street
Denver, CO 80202-1129

SITLA
675 East 500 South
Salt Lake City, UT 84102-2818

Newfield Production Company
Rt 3 Box 3630
Myton, UT 84052

A handwritten signature in cursive script that reads "Jean Sweet". The signature is written in black ink and is positioned above a horizontal line.

Jean Sweet - RE: Notice of Agency Action Newfield Cause UIC-370

From: "NAC Legal" <naclegal@mediaoneutah.com>
To: "Jean Sweet" <jsweet@utah.gov>
Date: 12/14/2010 2:43 PM
Subject: RE: Notice of Agency Action Newfield Cause UIC-370

Ad #647204 is scheduled to run December 18 in Salt Lake Tribune, Deseret News and Online utahlegals.com .

Total charge is \$250.28. Please check the ad in the papers.

Thank you,

Lynn Valdez

MediaOne of Utah,

a Newspaper Agency Company

4770 South 5600 West

West Valley City, Utah 84118

Ph.: 801-204-6245

Email: naclegal@mediaoneutah.com

From: Jean Sweet [mailto:jsweet@utah.gov]
Sent: Tuesday, December 14, 2010 12:46 PM
To: naclegal@mediaoneutah.com
Subject: Notice of Agency Action Newfield Cause UIC-370



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

December 14, 2010

VIA E-MAIL naclegal@mediaoneutah.com

Salt Lake Tribune
P. O. Box 45838
Salt Lake City, UT 84145

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-370

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing for **account #9001402352** to:

Division of Oil, Gas and Mining
PO Box 145801
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet
Executive Secretary

Enclosure



Jean Sweet - Re: Notice of Agency Action Newfield Cause UIC-370

From: Cindy Kleinfelter <classifieds@ubstandard.com>
To: Jean Sweet <jsweet@utah.gov>
Date: 12/15/2010 1:44 PM
Subject: Re: Notice of Agency Action Newfield Cause UIC-370

On 12/14/2010 12:43 PM, Jean Sweet wrote:

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing to:

Division of Oil, Gas and Mining
PO Box 145801
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet, Executive Secretary
Utah Div. of Oil, Gas & Mining
1594 West Temple, Suite 1210
Salt Lake City, UT
801-538-5329
jsweet@utah.gov

This notice will be published Dec. 21. Thank you.
Cindy



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

December 14, 2010

Via e-mail: ubs@ubstandard.com

Uintah Basin Standard
268 South 200 East
Roosevelt, UT 84066

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-370

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing to:

Division of Oil, Gas and Mining
PO Box 145801
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet
Executive Secretary

Enclosure





GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

January 11, 2011

Newfield Production Company
1001 Seventeenth Street, Suite 2000
Denver, CO 80202

Subject: Greater Monument Butte Unit Well: South Wells Draw 6-3-9-16, Section 3, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-32137

Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
3. A casing/tubing pressure test shall be conducted prior to commencing injection.
4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.

A final approval to commence injection will be issued upon satisfactory completion of the listed stipulations. If you have any questions regarding this approval or the necessary requirements, please contact Mark Reinbold at 801-538-5333 or Brad Hill at 801-538-5315.

Sincerely,

John Rogers
Associate Director

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency
Bureau of Land Management, Vernal
Duchesne County
Newfield Production Company, Myton
Well File

N:\O&G Reviewed Docs\ChronFile\UIC



DIVISION OF OIL, GAS AND MINING
UNDERGROUND INJECTION CONTROL PROGRAM
PERMIT
STATEMENT OF BASIS

Applicant: Newfield Production Company **Well:** South Wells Draw 6-3-9-16

Location: 3/9S/16E **API:** 43-013-32137

Ownership Issues: The proposed well is located on BLM land. The well is located in the Greater Monument Butte Unit. Lands in the one-half mile radius of the well are administered by the BLM. The Federal Government is the mineral owner within the area of review. Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and lease holders in the half-mile radius. Newfield is the operator of the Greater Monument Butte Unit. Newfield has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

Well Integrity: The proposed well has surface casing set at 287 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,932 feet. A cement bond log demonstrates adequate bond in this well up to about 3,770 feet. A 2 7/8 inch tubing with a packer will be set at 4,248 feet. Higher perforations will be opened at a later date. A mechanical integrity test will be run on the well prior to injection. At the time of writing this Statement of Basis (SOB) on 1/11/2011, based on surface locations, there were 6 producing wells, 2 shut-in wells, 3 injection wells, and 1 P/A well in the area of review (AOR). One of the producing wells is directionally drilled, with a surface location inside the AOR and a bottom hole location outside the AOR. There is also 1 directionally drilled producing well with a surface location outside the AOR and a bottom hole location inside the AOR. Additionally, there is currently 1 well being directionally drilled from a surface location inside the AOR to bottom hole location outside the AOR and 1 other well being drilled from a surface location inside the AOR to a bottom hole location outside the AOR. The AOR map reflects the status as of 2/8/2012. Many new wells, especially directional wells, have been drilled since the original writing of this SOB. All of the existing wells have evidence of adequate casing and cement. Inasmuch as several logs are of dubious quality or do not exhibit conclusive cement tops, it has been necessary to calculate approximate tops for "lite" cement, based on the cement indicated in the well completion report.

Ground Water Protection: As interpreted from Technical Publication No. 92, the base of moderately saline water is at a depth of approximately 1300 feet. Injection shall be limited to the interval between 4,100 feet and 5,926 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 6-3-9-16 well is 0.86 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 2,235 psig. The requested maximum pressure is 2,235 psig. We intend to permit this well at a maximum pressure of 2,000 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new

South Wells Draw Federal 6-3-9-16
page 2

fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

Oil/Gas& Other Mineral Resources Protection: The Board of Oil, Gas & Mining approved the Greater Monument Butte Unit on December 1, 2009. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

Bonding: Bonded with the BLM

Actions Taken and Further Approvals Needed: A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Mark Reinbold Date 1/11/2011 (revised 2/8/2012)

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTU-77338

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:
GMBU (GRRV)

1. TYPE OF WELL
Oil Well

8. WELL NAME and NUMBER:
S WELLS DRAW 6-3-9-16

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
43013321370000

3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052
PHONE NUMBER: 435 646-4825 Ext

9. FIELD and POOL or WILDCAT:
MONUMENT BUTTE

4. LOCATION OF WELL FOOTAGES AT SURFACE:
1813 FNL 1876 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SENW Section: 03 Township: 09.0S Range: 16.0E Meridian: S

COUNTY:
DUCHESNE

STATE:
UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/15/2011 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input checked="" type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input checked="" type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text"/>

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

The subject well has been converted from a producing oil well to an injection well on 12/13/2011. On 12/14/2011 Dennis Ingram with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 12/15/2011 the casing was pressured up to 1510 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not a State representative available to witness the test.

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

Date: 12/29/2011

By: 

NAME (PLEASE PRINT)
Lucy Chavez-Naupoto

PHONE NUMBER
435 646-4874

TITLE
Water Services Technician

SIGNATURE
N/A

DATE
12/19/2011

Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630
Myton, UT 84052
435-646-3721

Witness: _____ Date 12/15/11 Time 10:00A am pm

Test Conducted by: DAVE CLOWARD

Others Present: _____

Well: <u>South Wells draw</u> <u>6-3-9-16</u>	Field: <u>So. Wells draw 6-3-9-16</u> <u>Duchesne County, Utah</u>
Well Location: <u>South Wells draw 6-3-9-16</u>	API No: <u>UTU 87538X</u>
<u>SE/NW Sec. 3 T9S, R16E</u>	<u>43-013-32137</u>

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1510</u>	psig
5	<u>1510</u>	psig
10	<u>1510</u>	psig
15	<u>1510</u>	psig
20	<u>1510</u>	psig
25	<u>1510</u>	psig
30 min	<u>1510</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 0 psig

Result: Pass Fail

Signature of Witness: _____

Signature of Person Conducting Test: David Cloward

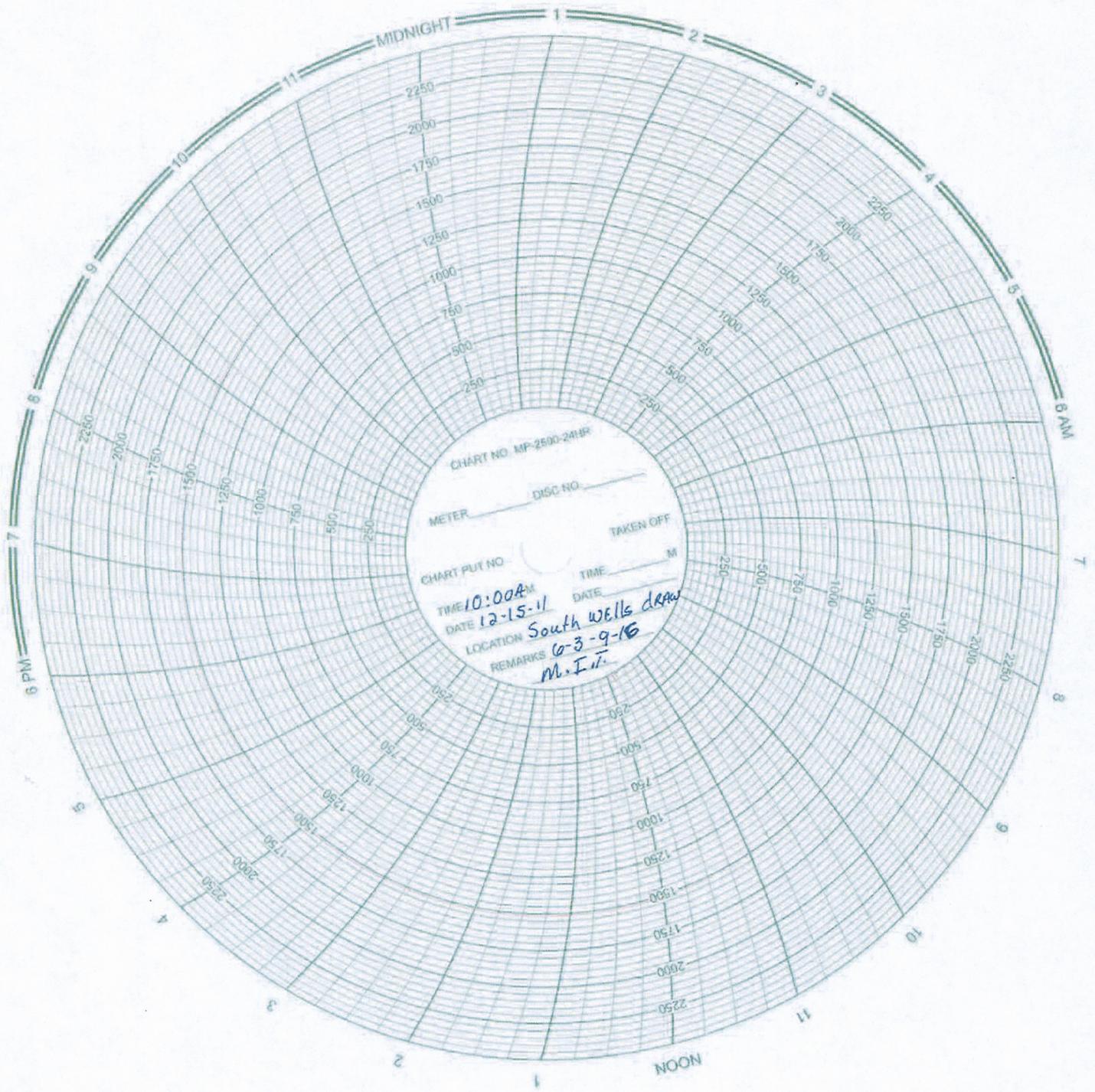


CHART NO. MP-2500-24HR

METER _____ DISC NO. _____

CHART PUT NO. _____ TIME _____ M

DATE 12-15-11

LOCATION South wells draw

REMARKS 0-3-9-16
M.F.I.

Daily Activity Report**Format For Sundry****S WELLS DRW 6-3-9-16****10/1/2011 To 2/29/2012****12/12/2011 Day: 1****Conversion**

WWS #7 on 12/12/2011 - MIRU WWS #7. Flush, Pressure test. LD rod string. - MIRU Western rig #7. RU HO trk to annulus & pump 60 BW @ 250°F. RU pumping unit & unseat rod pump. Flush tbg & rods W/ 45 BW @ 250°F. Re-seat pump, soft joint rod string & strip off flow-T. Fill tbg W/ 5 BW. Pressure test tbg to 3000 psi. Retrieve rod string & unseat pump. TOH & LD rod string and pump. Re-flushed rods 5 more times on TOH. SIFN. - MIRU Western rig #7. RU HO trk to annulus & pump 60 BW @ 250°F. RU pumping unit & unseat rod pump. Flush tbg & rods W/ 45 BW @ 250°F. Re-seat pump, soft joint rod string & strip off flow-T. Fill tbg W/ 5 BW. Pressure test tbg to 3000 psi. Retrieve rod string & unseat pump. TOH & LD rod string and pump. Re-flushed rods 5 more times on TOH. SIFN. - MIRU Western rig #7. RU HO trk to annulus & pump 60 BW @ 250°F. RU pumping unit & unseat rod pump. Flush tbg & rods W/ 45 BW @ 250°F. Re-seat pump, soft joint rod string & strip off flow-T. Fill tbg W/ 5 BW. Pressure test tbg to 3000 psi. Retrieve rod string & unseat pump. TOH & LD rod string and pump. Re-flushed rods 5 more times on TOH. SIFN.

Daily Cost: \$0**Cumulative Cost:** (\$44,103)**12/13/2011 Day: 2****Conversion**

WWS #7 on 12/13/2011 - ND WH. Release TAC. NU BOP. TOH w/ tbg breaking and doping. LD extra tbg. TIH w/ pkr, SN and 40 jts of tbg. - Hot oiler thawed out well. ND WH. Release TA. NU BOP. Flush tbg w/ 30 BW. TOH w/ tbg breaking and doping every connection. 136 jts out. LD remaining 37 jts of tbg and BHA. Flushed 6 times on TOH. PU and RIH w/ 5 1/2" AS-1x pkr, SN, 40 jts of the 2 7/8 J-55 tbg. SIWFN. - Hot oiler thawed out well. ND WH. Release TA. NU BOP. Flush tbg w/ 30 BW. TOH w/ tbg breaking and doping every connection. 136 jts out. LD remaining 37 jts of tbg and BHA. Flushed 6 times on TOH. PU and RIH w/ 5 1/2" AS-1x pkr, SN, 40 jts of the 2 7/8 J-55 tbg. SIWFN. - Hot oiler thawed out well. ND WH. Release TA. NU BOP. Flush tbg w/ 30 BW. TOH w/ tbg breaking and doping every connection. 136 jts out. LD remaining 37 jts of tbg and BHA. Flushed 6 times on TOH. PU and RIH w/ 5 1/2" AS-1x pkr, SN, 40 jts of the 2 7/8 J-55 tbg. SIWFN.

Daily Cost: \$0**Cumulative Cost:** (\$32,718)**12/14/2011 Day: 3****Conversion**

WWS #7 on 12/14/2011 - TIH w/ tbg. Pressure test tbg. Pump pkr fluid. Set pkr. Pressure test pkr and annulus. RD MOSU Ready for MIT - Hot oiler thawed out well. Continue TIH w/ tbg. Drop SV. Pressure test tbg to 3000 psi. Bled air & re-bumped pressure several times. Final test held solid for 30 minutes. Retrieve standing valve W/ overshot on sandline. ND BOP & land tbg on flange. Mix 15 gals Multi-Chem C-6031 & 5 gals B-8850 in 55 bbls fresh water. Pump down annulus @ 90°F. PU on tbg & set pkr W/ SN @ 4244', CE @ 4248' & EOT @ 4252'. Land tbg W/ 15,000# tension. NU wellhead. Pressure test annulus & pkr to 1500 psi. Watch pressure overnight. No pressure lose. RD MOSU. READY for MIT. - Hot oiler thawed out well. Continue TIH w/ tbg. Drop SV. Pressure test tbg to 3000 psi. Bled air & re-bumped pressure several times. Final test held solid for 30 minutes. Retrieve standing valve W/ overshot on sandline. ND BOP & land tbg on flange. Mix 15 gals Multi-Chem C-6031 & 5 gals B-8850 in 55 bbls fresh water. Pump down annulus @ 90°F. PU on tbg & set pkr W/ SN @ 4244', CE @

4248' & EOT @ 4252'. Land tbg W/ 15,000# tension. NU wellhead. Pressure test annulus & pkr to 1500 psi. Watch pressure overnight. No pressure lose. RDMOSU. READY for MIT. - Hot oiler thawed out well. Continue TIH w/ tbg. Drop SV. Pressure test tbg to 3000 psi. Bled air & re-bumped pressure several times. Final test held solid for 30 minutes. Retrieve standing valve W/ overshot on sandline. ND BOP & land tbg on flange. Mix 15 gals Multi-Chem C-6031 & 5 gals B-8850 in 55 bbls fresh water. Pump down annulus @ 90°F. PU on tbg & set pkr W/ SN @ 4244', CE @ 4248' & EOT @ 4252'. Land tbg W/ 15,000# tension. NU wellhead. Pressure test annulus & pkr to 1500 psi. Watch pressure overnight. No pressure lose. RDMOSU. READY for MIT.

Daily Cost: \$0

Cumulative Cost: (\$29,089)

12/16/2011 Day: 4

Conversion

Rigless on 12/16/2011 - Conduct initial MIT - On 12/14/2011 Dennis Ingram with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 12/15/2011 the casing was pressured up to 1510 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not a State representative available to witness the test. - On 12/14/2011 Dennis Ingram with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 12/15/2011 the casing was pressured up to 1510 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not a State representative available to witness the test. - On 12/14/2011 Dennis Ingram with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 12/15/2011 the casing was pressured up to 1510 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not a State representative available to witness the test. **Finalized**

Daily Cost: \$0

Cumulative Cost: (\$3,769)

Pertinent Files: Go to File List

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTU-77338

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:
GMBU (GRRV)

1. TYPE OF WELL
Water Injection Well

8. WELL NAME and NUMBER:
S WELLS DRAW 6-3-9-16

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
43013321370000

3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052
PHONE NUMBER: 435 646-4825 Ext

9. FIELD and POOL or WILDCAT:
MONUMENT BUTTE

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1813 FNL 1876 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SENW Section: 03 Township: 09.0S Range: 16.0E Meridian: S

COUNTY:
DUCHESNE

STATE:
UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 1/24/2012 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text" value="Put On Injection"/>

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

The above reference well was put on injection at 8:00 PM on
01/24/2012.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
January 25, 2012**

NAME (PLEASE PRINT)
Lucy Chavez-Naupoto

PHONE NUMBER
435 646-4874

TITLE
Water Services Technician

SIGNATURE
N/A

DATE
1/25/2012

Spud Date: 5/15/00

Put on Production: 6/21/00

GL: 5573' KB: 5583' KB

South Wells Draw 6-3-9-16

Initial Production: 68 BOPD,
161 MCFD 4 BWPD

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts (274.70')

DEPTH LANDED: 286.55'

HOLE SIZE: 12-1/4"

CEMENT DATA: 141 sx Class "G" plus additives

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 139 jts (5934.31')

HOLE SIZE: 7-7/8"

CEMENT DATA: 265 sx PremLite II pls additives; followed by 400 sx 50/50 Poz with additives.

SET AT: 5931.91' KB

CEMENT TOP: 553' per CBL

TUBING

SIZE/GRADE/WT: 2-7/8", J-55, 6.5#

NO. OF JOINTS: 136 jts. (4232.3')

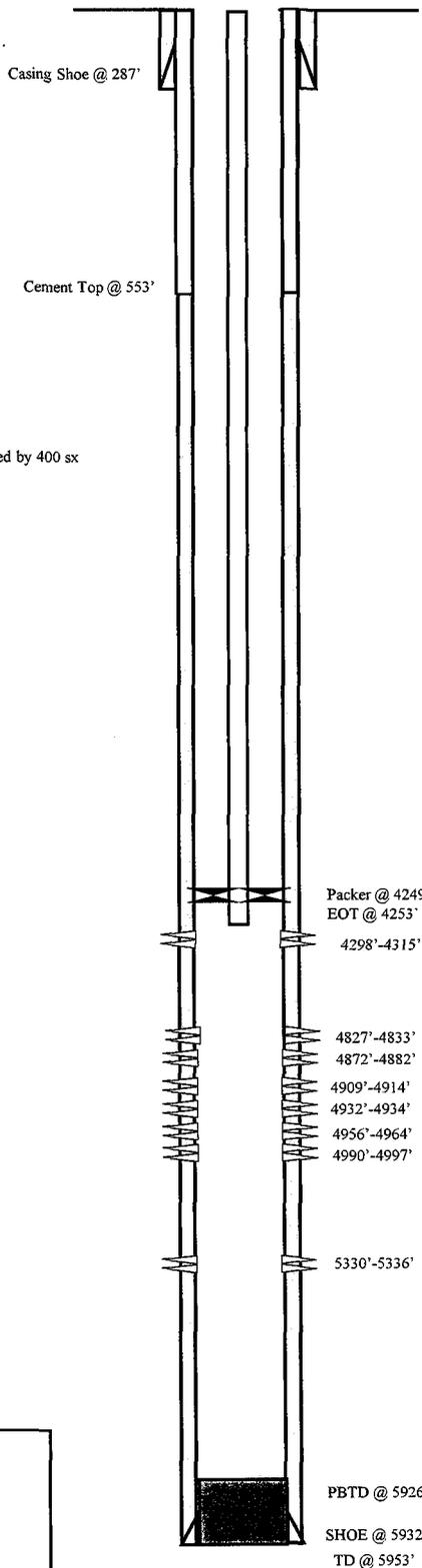
SEATING NIPPLE: 2-7/8" x 1.10'

SN LANDED AT: 4244.3'

CE @ 4248.7'

TOTAL STRING LENGTH: EOT @ 4253'

Injection Wellbore Diagram



FRAC JOB

6-13-00 5330-5336'

Frac A sand as follows:
68,307# 20/40 sand in 475 bbls I-25 Viking fluid. Breakdown @ 2841 psi. Treated w/avg press of 2600 psi w/avg rate of 29.1 BPM. ISIP-2270 psi, 5 min 2140 psi. Flowed back on 12/64 choke for 3.5 hrs & died. Rec 122 BTF.

6-16-00 4827-4997'

Frac D/C sand as follows:
90,400# 20/40 sand in 520 bbls Viking fluid. Perfs broke down @ 2620 psi. Treated w/avg press of 2000 psi w/avg rate of 33.2 BPM. ISIP-2358 psi, 5 min 2311 psi. Left pressure on well. Est. 734 BWTR.

6-16-00 4298-4315'

Frac GB sand as follows:
81,240# 20/40 sand in 492 bbls Viking fluid. Perfs broke down @ 3577 psi. Treated w/avg press of 2200 psi w/avg rate of 28.5 BPM. ISIP-2488 psi, 5 min 2461 psi. Flow back on 12/64" ck for 4.5 hrs & died. Recovered 165 BTF.

6/21/00

Hole in tubing. Update rod and tubing details.

1/17/02

Hole in tubing. Update rod and tubing details.

03/04/03

Hole in tubing. Update rod and tubing details.

11/4/05

Parted rods. Update rod and tubing details

11/12/08

Parted rods. Updated rod & tubing details.

12/13/11

Convert to Injection Well

12/15/11

Conversion MIT Finalized - update tbg detail

PERFORATION RECORD

6-13-00	5330'-5336'	4 JSPF	24 holes
6-14-00	4827'-4833'	2 JSPF	12 holes
6-14-00	4872'-4882'	2 JSPF	20 holes
6-14-00	4909'-4914'	2 JSPF	10 holes
6-14-00	4932'-4934'	2 JSPF	4 holes
6-14-00	4956'-4964'	2 JSPF	16 holes
6-14-00	4990'-4997'	2 JSPF	14 holes
6-16-00	4298'-4315'	4 JSPF	68 holes

NEWFIELD

South Wells Draw 6-3-9-16

1813' FNL & 1876' FWL

SENW Section 3-T9S-R16E

Duchesne Co, Utah

API #43-013-32137 Lease #UTU-77338



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

UNDERGROUND INJECTION CONTROL PERMIT

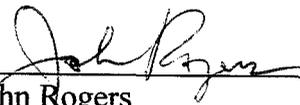
Cause No. UIC-370

Operator: Newfield Production Company
Well: South Wells Draw 6-3-9-16
Location: Section 3, Township 9 South, Range 16 East
County: Duchesne
API No.: 43-013-32137
Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on January 11, 2011.
2. Maximum Allowable Injection Pressure: 2,000 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (4,100' – 5,926')
5. Any subsequent wells drilled within a ½ mile radius of this well shall have production casing cement brought up to or above the top of the unitized interval for the Greater Monument Butte Unit.

Approved by: _____


John Rogers
Associate Director

Date

1/12/12

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency
Bureau of Land Management, Vernal
Eric Sundberg, Newfield Production Company, Denver
Newfield Production Company, Myton
Duchesne County
Well File

N:\O&G Reviewed Docs\ChronFile\UIC\Newfield

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



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-77338
1. TYPE OF WELL Water Injection Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	8. WELL NAME and NUMBER: S WELLS DRAW 6-3-9-16
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1813 FNL 1876 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 03 Township: 09.0S Range: 16.0E Meridian: S	9. API NUMBER: 43013321370000
9. FIELD and POOL or WILDCAT: MONUMENT BUTTE	COUNTY: DUCHESNE
9. API NUMBER: 43013321370000	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/10/2016	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input style="width: 50px;" type="text" value="5 YR MIT"/>

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

On 11/08/2016 Amy Doebele with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 11/10/2016 the casing was pressured up to 1200 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1788 psig during the test. There was a State representative available to witness the test - Amy Doebele

**Accepted by the
Utah Division of
Oil, Gas and Mining**
FOR RECORD ONLY
 November 28, 2016

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 11/11/2016	

Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630
Myton, UT 84052
435-646-3721

Witness: Amy Doebele Date 11/10/16 Time 1:30 am/pm

Test Conducted by: Michael Jensen

Others Present: Daren Arnold

Well: South wells Draw 6-3-9-16 Field: Monument Butte
Well Location: SE/NW sec. 3, T9S, R16E API No: 43-013-32137

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1180</u>	psig
5	<u>1180</u>	psig
10	<u>1200</u>	psig
15	<u>1200</u>	psig
20	<u>1200</u>	psig
25		psig
30 min		psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

Tubing pressure: 1788 psig

Result: Pass Fail

Signature of Witness: Amy Doebele

Signature of Person Conducting Test: Michael Jensen

