

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK
 DRILL DEEPEN

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

2. NAME OF OPERATOR
 HARKEN SOUTHWEST CORPORATION

3. ADDRESS AND TELEPHONE NO.
 P. O. Drawer 612007, Dallas, TX 75261 817/695-4900

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface 2150' FNL & 200' FEL
 At proposed prod. zone Straight Hole

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 7 miles south of Montezuma Creek, UT

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)
 672'

16. NO. OF ACRES IN LEASE
 49,997

17. NO. OF ACRES ASSIGNED TO THIS WELL
 80

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 1340'

19. PROPOSED DEPTH
 +/- 5872' GR

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 4872' GR

22. APPROX. DATE WORK WILL START*
 upon approval 7/94

5. LEASE DESIGNATION AND SERIAL NO.
 NOG 8707-1163

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 Navajo Tribal

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.
 Anasazi 6H #1

9. AP WELL NO.

10. FIELD AND POOL, OR WILDCAT
 Anasazi/Paradox

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec 6-42S-24E

12. COUNTY OR PARISH
 San Juan

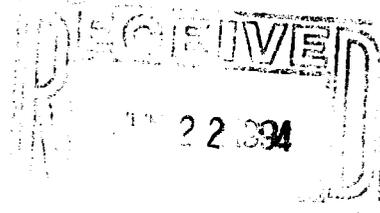
13. STATE
 UT

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	500'	37lsx C1 "G" + additives
7-7/8"	5-1/2"	15.5#	5872'	Stage Cementing as per attached documentation

Attached:

- Detailed Drilling Plan
- Surface Use Plan
- 10 Point Compliance
- Attachments (1-8) and Exhibits (A&B)



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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. Rachelle Montgomery Rachelle Montgomery Production Admin DATE 6/17/94
 APPROVED BY THE STATE
 OF UTAH DIVISION OF
 OIL, GAS, AND MINING

(This space for Federal or State office use)

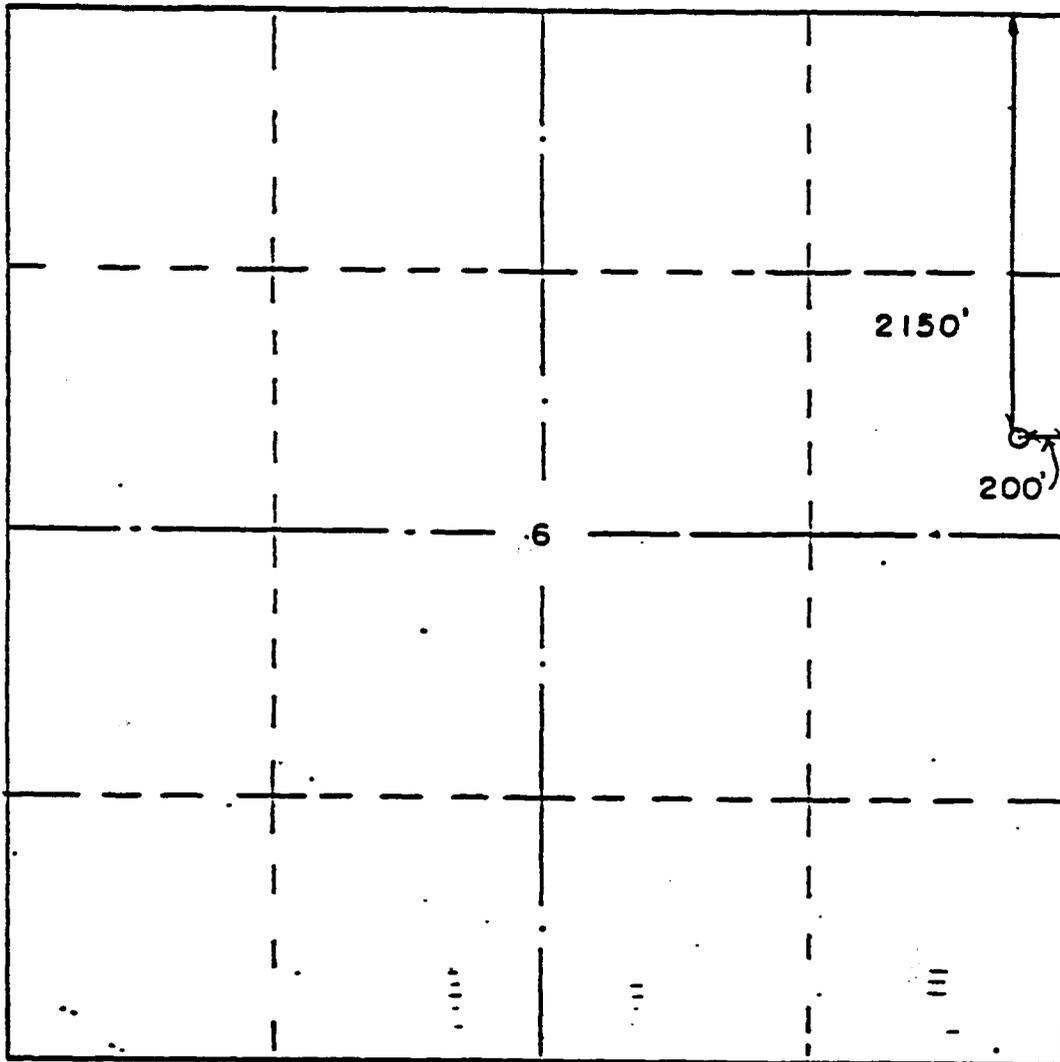
PERMIT NO. 43-039-31744 APPROVAL DATE _____

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 [Signature] BY: _____
 WELL SPACING: 5/12/95 DATE _____

*See Instructions On Reverse Side

WELL LOCATION AND ACREAGE DEDICATION PLAT



WELL LOCATION DESCRIPTION:

CHUSKA ENERGY COMPANY, Anasazi 6 - H - 1

2150'FNL & 200'FEL

Section 6, T.42 S., R.24 E., SLM

San Juan, UT.

4872' ground elevation

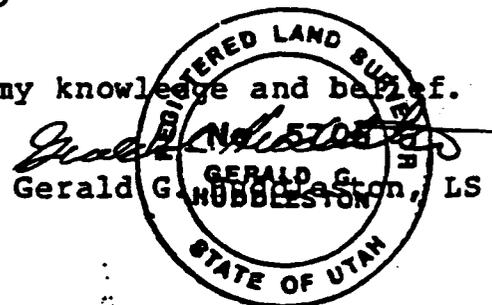
State plane coordinates from seismic control:

x = 2,636,838

y = 189,765

The above plat is true and correct to my knowledge and belief.

31 October 1990



WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 06/22/94

API NO. ASSIGNED: 43-037-31744

WELL NAME: ANASAZI 6H-1
OPERATOR: HARKEN SOUTHWEST CORP (N9290)

PROPOSED LOCATION:
SENE 06 - T42S - R24E
SURFACE: 2150-FNL-0200-FEL
BOTTOM: 2150-FNL-0200-FEL
SAN JAUN COUNTY
UNDESIGNATED FIELD (002)

INSPECT LOCATION BY: / /		
TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: IND
LEASE NUMBER: NOG 8707-1163

PROPOSED PRODUCING FORMATION: DSCR

RECEIVED AND/OR REVIEWED:

Y Plat
Y Bond: Federal State Fee
(Number 4015)
N Potash (Y/N)
N Oil shale (Y/N)
Y Water permit
(Number 3RD PARTY WILL SUPPLY)
N RDCC Review (Y/N)
(Date: _____)

LOCATION AND SITING:

____ R649-2-3. Unit: _____
____ R649-3-2. General.
 R649-3-3. Exception.
 ~~Drilling~~ Unit.
Board Cause no: 17
Date: 2-24-60

COMMENTS: _____

STIPULATIONS: _____

STATE OF UTAH

Operator: HARKEN SOUTHWEST COP.R	Well Name: ANASAZI 6H #1
Project ID: 43-037-31744	Location: SEC. 06 - T42S - R24E

Design Parameters:

Mud weight (9.50 ppg) : 0.494 psi/ft
 Shut in surface pressure : 2532 psi
 Internal gradient (burst) : 0.062 psi/ft
 Annular gradient (burst) : 0.000 psi/ft
 Tensile load is determined using buoyed weight
 Service rating is "Sweet"

Design Factors:

Collapse : 1.125
 Burst : 1.00
 8 Round : 1.80 (J)
 Buttress : 1.60 (J)
 Other : 1.50 (J)
 Body Yield : 1.50 (B)

Length (feet)	Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost
1	5,872	5.500	15.50	K-55	ST&C	5,872	4.825
	Collapse Load Strgth (psi)	S.F.	Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load Strgth (kips)	S.F.
1	2898	4040	1.394	2898	4810	1.66	77.80 222 2.85 J

Prepared by : FRM, Salt Lake City, UT
 Date : 05-12-1995
 Remarks :

Minimum segment length for the 5,872 foot well is 1,000 feet.
 SICP is based on the ideal gas law, a gas gravity of 0.69, and a mean gas temperature of 103°F (Surface 74°F , BHT 133°F & temp. gradient 1.000°/100 ft.)
 The mud gradient and bottom hole pressures (for burst) are 0.494 psi/ft and 2,898 psi, respectively.

NOTE: The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - Collapse (with evacuated casing), 1.0 - Burst, 1.8 - 8 Round Tension, 1.6 - Buttress Tension, and 1.5 - Body Yield. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser.
 Costs for this design are based on a 1987 pricing model. (Version 1.06)

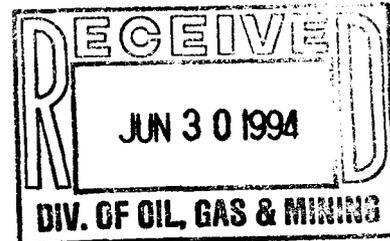


HARKEN SOUTHWEST CORPORATION

(formerly Chuska Energy Company)

June 29, 1994

State of Utah Department of Natural Resources
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Ste #350
Salt Lake City, Utah 84180-1203
Attn: Mike Herbertson



RE: Application for Exception Well Location
HSW Anasazi #6H-1 Well
Section 6-T42S-R24E
San Juan County, Utah

Dear Mr. Herbertson:

With reference to our recent telephone conversation and that certain Application for Permit to Drill dated June 17, 1994, covering the above captioned proposed well, please be advised that based on topographic and geologic conditions, Harken Southwest Corporation hereby applies for and requests approval of our exception well location, pursuant to R615-3-3 of the Oil and Gas Conservation General Rules. The location for the Anasazi #6H-1 well falls outside of the location and siting requirements of that certain order of the board dated February 24, 1960, and referred to as Cause No. 17. However, the topography of the area surrounding the desired location is such to preclude the well being located in accordance with State requirements and yet remain in a position which will allow the wellbore to penetrate geological structures which have been identified by seismic interpretation.

In this connection, we enclose a plat showing:

- (1) The location at which the applicant requests permission to drill.
- (2) The location at which oil or gas wells have been drilled directly or diagonally offsetting the proposed exception well location.
- (3) The names of owners of all directly or diagonally offsetting drilling units.
- (4) A circle surrounding the proposed exception well location identifying the 660 feet radius referenced in Order 4 of that certain order of the board mentioned hereinabove.

In summary, Harken Southwest Corporation, hereby applies for and requests an administrative approval of the above referenced exception well location based on the following:

- (1) Topographical concerns
- (2) Geological/Geophysical necessities
- (3) Ownership of all oil and gas rights within a radius of 660 feet of the proposed exception well location is common with the ownership of the oil and gas rights upon the proposed exception well location, thus, not requiring written consent of said exception well location from offsetting owners.

Please advise if you require additional information concerning this application. Your prompt attention would be greatly appreciated. Thanking you in advance.

Yours very truly,
HARKEN SOUTHWEST CORPORATION



Michael R. Childers
Vice President Land

MRC:mdh
Enclosures

cc: R. Montgomery
L. Chambers
M. Watson

31

32

HARKEN SOUTHWEST		
ANASAZI AREA SAN JUAN CO., UT		
6/28/94		

Mule 31M

Mule 31K(N)

Burro 31-1

T42S R24E

Proposed
Anasazi 6H-1



660' Radius

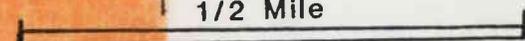
Sahzie 1

Anasazi 1

Anasazi 5L-3

- Harken Southwest
- Navajo Nation Minerals
- U.S. Oil & Gas

1/2 Mile



HARKEN SOUTHWEST CORPORATION

DETAILED DRILLING PROGRAM

Anasazi 6H #1

Section 6, Township 42S, Range 24E
2,150' FNL, 200' FEL
San Juan County, Utah

ELEVATION: 4872' GL/4885' KB

PROPOSED TOTAL DEPTH: 5872' MD

PROJECTED HORIZON - Primary Target: Desert Creek

GENERAL DRILLING PROCEDURES:

1. Build location and prepare access road. Fence reserve pit on 3 sides. NOTIFY BLM - FARMINGTON, NEW MEXICO (505-327-5344) and STATE OF UTAH (801-538-5340) 24 hours prior to spud. NOTE on report the person(s) contacted. Post copies of all regulatory permits in the doghouse. Erect a well location sign.
2. Move in and rig up rotary tools. Report GL to KB measurement and also report any conductor casing depth on IADC tour sheets and morning reports. Have water checked by cementing company for compatibility.
3. Drill mousehole and rathole. Mix mud prior to spudding well.
4. Drill 12 1/4" hole to +/- 500'. Use fresh water gel/lime spud mud for drilling surface hole. Well bore inclination is not to exceed 1° at 500'. Deviation surveys will be run at least at 250' and at casing point.
5. RU casing crew to run:
8-5/8", 24#/ft, K-55, STC casing to 500'
Cement with 371 sx of Class "G" cement (1.15 yield; calculated @ 100% excess) with 2% CaCl₂ and 1/4 lb/sx Celloflake (with sufficient slurry volume to circulate cement to surface).
6. WOC a minimum of 4 hours prior to nipping up for BOP stack and related equipment. See BOP schematics for detail - Exhibit A.

HARKEN SOUTHWEST CORPORATION

Detailed Drilling Plan

Anasazi 6H #1

Page 2 of 2

7. Ensure plug has been down at least 8 hours prior to commencing pressure test procedures. Pressure test BOP to 2500 psig for 30 minutes. Pressure test manifold and all related equipment to 2500 psig. Pressure test casing to 2000 psig for 30 minutes. NOTE: Notify BLM - Farmington, New Mexico (505-327-5344) 24 hours prior to BOP test. Note notification and testing results on IADC tour reports.
8. Drill out surface casing with 7-7/8" bit. Drill 7-7/8" hole to +/- 5872'. Deviation surveys are to be taken every 500' or on a bit trip, whichever occurs first. Maximum allowable deviation will be 5° at T.D., with the maximum allowable rate of change to be 1° /100'.
9. Run open hole logs and evaluate. Logging and testing will be in accordance with details outlined in item 8, Well Evaluation, of the Ten Point Drilling Plan. Coring and/or drill stem testing will be determined based on the recommendation of the wellsite geologist.
10. If the well is determined to be productive, run 5-1/2" casing to TD, as per casing design outline in item 4, Proposed Casing/Cementing Program, of the Ten Point Drilling Plan. In addition to placing centralizers over potential hydrocarbon bearing formations, they will also be run to cover the aquifer sands of the Navajo and DeChelly formation. Cement production casing in two stages as per the Ten Point Drilling Plan.
 - a. Upon determination of commercial production, completion work will commence upon approval of Sundry Notice outlining procedures. completion will include, MIRU completion rig, perforate, acidize and testing of each productive porosity zone.
 - b. ND BOPE, set 5-1/2" casing slips and cut off casing. Install wellhead.
11. If the well is determined not to be productive, the wellbore will be plugged as per BIA/BLM and State of Utah requirements.
12. Release drilling rig and move off of location. Note time of rig release on IADC tour report. Fence 4th side of reserve pit immediately upon rig move. Fill in rathole and mousehole after rig is gone.

HARKEN SOUTHWEST CORPORATION

TEN POINT DRILLING PLAN

Anasazi 6H #1

Section 6, Township 42S, Range 24E
2,150' FNL, 200' FEL
San Juan County, Utah

This well is to be drilled as an Desert Creek test. The test will be drilled to an approximate depth of +/-5872'. This well will be drilled as a vertical hole.

1. SURFACE FORMATION:

Geological name of the surface formation: Morrison

2. ELEVATION:

Surface elevation is 4872' GL/4885' KB

3. ESTIMATED TOPS OF GEOLOGICAL MARKERS:

DEPTH	FORMATION	SUB SEA ELEVATION
Surface	Morrison	+4,872'
691'	Navajo	+4,181'
1,495'	Chinle	+3,377'
2,567'	DeChelly	+2,305'
2,879'	Organ Rock	+1,993'
3,425'	Cedar Mesa	+1,447'
4,580'	Hermosa	+292'
5,457'	Upper Ismay	-585'
5,577'	Lower Ismay	-705'
5,624'	Desert Creek	-752'
5,810'	Akah	-938'
5,872'	Total Depth	-1,000'

ANTICIPATED FORMATIONS FOR WATER, OIL, GAS AND OTHER MINERALS:

Potential Waterbearing formations:

- Navajo
- Dechelly

Mineral bearing formations (Oil and/or Gas):

- Upper Ismay
- Lower Ismay
- Desert Creek
- Akah

4. PROPOSED CASING/CEMENTING PROGRAM:

	DEPTH	SIZE	WEIGHT	GRADE	COUPLING
Surface	500'	8 5/8"	24 lb	K-55	STC
Production	5,872'	5 1/2"	15.5 lb	K-55	STC

Surface Cementing:

371 sx (427 ft³) Class 'G' cement with 2% CaCl₂ and 1/4 lb/sk Celloflake. Weight = 15.8 ppg, yield = 1.15 ft³/sk. Slurry volume calculated at 100% excess over annular volume.

Production Cementing:

First Stage

T.D. to 3,500' (stage collar @ + 3,500'). Lead with 277 sx Class 'G' cement, 65:35 Pozmix, with 6% gel and 1/4 lb/sk Celloflake. Weight = 12.7 ppg, yield = 1.85 ft³/sk. Tail with 184 sx Class 'G' cement with 2% CaCl₂. Weight = 15.8 ppg, yield = 1.15 ft³/sk. Total of 540 ft³. Bring Class 'G' Tail slurry to 500' above top of Upper Ismay. Cement volumes calculated at 10-30% excess in open hole adjusted per conditions. WOC 4 hours between stages.

Second Stage

3,500' to surface. Lead with 355 sx Class 'G' cement, 65:35 Pozmix with 6% gel and 1/4 lb/sk Celloflake. Weight = 12.7 ppg, yield = 1.85 ft³/sk. Tail with 100 sx Class 'G' cement with 2% CaCl₂. Weight = 15.8 ppg, yield = 1.15 ft³/sk. Total of 772 ft³. Cement volumes calculated at 10-30% excess in open hole adjusted per conditions.

Note: Exact slurry volumes for the production string will be adjusted according to the caliper log which will be run prior to cementing. Special adjustments may be necessary if significant amounts of salt are drilled.

HARKEN SOUTHWEST CORPORATION

Ten Point Drilling Plan

Anasazi 6H #1

Page 3 of 4

5. BLOWOUT PREVENTER

As abnormal pressure is not anticipated, a 2000 psi BOP system would be sufficient for the drilling of this well. However, a 3000 psi system will be used, as per the attached Exhibits "A" and "B". This will be a 10" x 900 series double ram preventer, equipped with a set of pipe and blind rams.

An accumulator system, with a pressure capacity sufficient to operate the rams three complete cycles with without rig power, will be required as part of the rig equipment.

6. PROPOSED MUD PROGRAM

Surface to 4500'

Fresh water, gel, lime and native solids. Weight 8.3 - 8.7 ppg. Gel/lime sweeps as necessary for hole cleaning

4500' - TD

Low solids, non-dispersed polymer system. Weight 8.6 - 9.5 ppg. Gel/lime sweeps as hole conditions dictate for hole cleaning. Fluid loss to be maintained at 15 - 20 cc. Fluid loss to be further reduced to 15 cc or less prior to coring, logging or DSTs.

7. AUXILIARY EQUIPMENT

- a. A kelly cock will be installed during drilling operations, with handle available on the rig floor.
- b. Floor (stabbing) valves will be available, on the rig floor at all times, with necessary subs to fit all of the drilling assemblies.
- c. Mud will be the circulating fluid. No abnormal formation pressures are expected.

8. WELL EVALUATION

Electric Log Program:

DLL-SP-GR	TD to 4500'
Sonic (integrated)	TD to surface
CNL-LDT-GR	TD to 4500'
Micro-Log (Optional)	TD to 1000' above TD

Coring and/or drill stem testing will be as per the wellsite geologist's recommendations, based on shows. A mud logging unit will be utilized during drilling operations from at least 500' above the Upper Ismay.

9. ABNORMAL PRESSURES/GAS

Abnormal pressures are not anticipated. Monitoring of gas and hydrocarbon shows will be by wellsite mud logging unit. H₂S gas is not anticipated, however regular checks will be made while drilling the well.

10. TIMING

The drilling and evaluation of this well is estimated to be +/-18 days. Anticipated spud date is mid July, 1994.

HARKEN SOUTHWEST CORPORATION

SURFACE USE PLAN

Anasazi 6H #1

Section 6, Township 42S, Range 24E
2,150' FNL, 200' FEL
San Juan County, Utah

1. EXISTING ROADS

Shown on the attached topographic map are the existing roads in the immediate area. Outlined is the route to be followed from Montezuma Creek. Existing roads will be maintained, as necessary, while operations are in progress. (Attachment 1)

2. PLANNED ACCESS ROAD

The access road will be as shown on the attached topographic map. The road will be flat bladed, constructed 14' in width and will be maintained as necessary to prevent excessive damage to the existing terrain. The road will be upgraded if commercial production is established. It is anticipated that less than 1,500' of new road will need to be constructed to the location pad, most of it following an existing seismic line.

3. LOCATION OF EXISTING WELLS & TANK BATTERIES

Indicated on the attached map are the locations of the producing wells Anasazi #1 and Sahgzie #1. A tank battery is located at the Sahgzie #1 well site.

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

Production facilities are presently in place at the Sahgzie #1 location. Should the well prove to be productive, the full well stream could be transported via pipeline to the Sahgzie #1 location for processing or individual facilities may be placed on the drilling location pad.

5. LOCATION AND TYPE OF WATER

Water will be acquired from the San Juan river or McElmo Creek and will be hauled using third party contract water trucks.

6. SOURCE OF CONSTRUCTION MATERIAL

The need for additional construction materials is not anticipated. In the event that additional materials are required, they will be acquired from private sources. No gravel or other related minerals from Federal/Navajo land will be used in construction of roads or wellsite without prior approval from the Surface Managing Agency.

7. METHODS OF HANDLING WASTE MATERIAL

- a. The reserve pit will be designed to prevent the collection of surface runoff. The pit will be lined with a 7 mil liner, for containing drilling fluids. Prior to use, the reserve pit will be fenced on three side, the fourth side will be fenced at the time the drill rig is removed.
- b. Liquid hydrocarbons will be stored in temporary storage tanks and trucked to approved sales facilities.
- c. Garbage and other trash will be contained on location, It will be hauled to an approved disposal site or burned on location if a burning permit is obtained. Any trash on the pad will be cleaned up prior to the rig move off location.
- d. Sewage will be handled in self-contained, chemically treated portable toilets and the contents hauled off location to an authorized sanitary disposal facility.
- e. Upon completion of operations, fluids in the reserve pit will be allowed to evaporate or will be emptied. Upon drying, the pit will be backfilled and the area restored with the natural terrain.

8. ANCILLARY FACILITIES

There will be no ancillary facilities associated with this project, including camps.

9. WELL SITE LAYOUT

- a. Cut and fill requirements due to topography are detailed in Attachment 3.
- b. Well Pad Layout is detailed in Attachment 5.
- c. Reserve pit will be fenced and lined as detailed in item 7(a).

9. WELL SITE LAYOUT (continued)

- d. Soil material will not be pushed into drainage. All disturbed soil material will be place in an area where it can be retrieved for reclamation purposes.

10. SURFACE RECLAMATION PLANS

- a. The reserve pit will be allowed to dry prior to the commencement of backfilling work. No attempts will be made to backfill the reserve pit until the pit is free of standing water. The reserve pit will remained fenced prior to reclamation.
- b. Rat and mouse holes will be filled and compacted from bottom to top immediately upon release of the drilling rig from the location.
- c. All remaining debris will be cleared from the location. Any materials not required for production operations will be removed.
- d. Areas of the well pad which are not needed for production operations will be reshaped as provided below:
 - 1. Unnatural backslopes and foreslopes will be reduced as practical and returned to natural contour.
 - 2. Compacted areas will be plowed or ripped to a depth of 12 to 16 inches prior to reseeding.
 - 3. Natural soil stock piled for reclamation activity will be utilized whenever possible. Additional topsoil will be obtained as necessary to return the terrain as near as possible to its original contour.
- e. In the event of a dry hole, the well site and newly constructed access road will be restored to their approximate original contour. Items d 1, 2 and 3 as listed above will be adhered to. In addition:
 - 1. Care will be taken during reshaping of the pad and access road to insure there will be no depressions that will trap water or form ponds.

10. SURFACE RECLAMATION PLANS (continued)

2. Seed mixture will be drilled to a depth of .5 to .75 inches or broadcast and followed by a drag or packer. Hand broadcasting may occur in areas too steep for machinery. If hand broadcast, the rate below will be 150%. Unless otherwise stipulated the following seed mix will be used:

Indian Ricegrass	3 lbs per acre PLS
Mammoth Wildrye	3 lbs per acre PLS
Giant Dropseed	2 lbs per acre PLS
Yellow Sweetclover	1 lbs per acre PLS

- f. Reclamation operations for the well pad are expected to require approximately 7 to 10 days and will begin when the fluids in the reserve pit are dry for backfilling. Seeding will take place between July and September. If the well is a producer, restoration of unutilized portions of the location will commence as soon as practical after the installation of production facilities, but not later than 12 months after drilling is completed.

11. SURFACE OWNERSHIP

The surface ownership at the well location and access road is Navajo Indian Reservation.

12. BONDING

- a. Bond B03571 applies to operations within the State of Utah in favor of the United States Department of the Interior, Bureau of Land Management.
- b. Bond BIA 14-20-603-373 has a Certificate of Deposit (#8015) held at Western Bank, Farmington, New Mexico as a performance bond
- c. All bonding under the name of Chuska Energy company is currently being updated to Harken Southwest Corporation, pursuant to the name change as set out in the Amendment to the Articles of Incorporation dated 9/93.

13. OTHER INFORMATION

- a. Cultural Resource approval granted to Chuska Energy Company in 1990 for the same location is attached for reference (Attachment 6). Environmental clearance was also granted and is attached for reference (Attachment 7).
- b. Previously, approval was granted to Chuska Energy Company for this project and was rescinded in April, 1992 due to drilling not being commenced within the approved time frame.
- c. The location for this well falls outside the guidelines for the State of Utah spacing requirements. However, the topography of the area surrounding the desired location is such as to preclude the well being located in accordance with State requirements and yet remain in a position which will allow the wellbore to penetrate geological structures which have been identified by seismic interpretation. Therefore, an application will be filed with the State of Utah for a location exception to the general spacing requirements on topographic grounds. Harken Southwest Corporation, formerly Chuska Energy Corporation, controls the acreage surrounding the proposed wellsite, as indicated in Attachment 8.
- d. The spud report will be called into the BLM - Farmington, New Mexico (505-327-5344) within 48 hours. Time and date of spud, along with BLM notification and contact, will be noted on drilling report.
- e. The BLM - Farmington, New Mexico will be notified 24 hours in advance of BOP test.
- f. All undesirable events (fire, blowouts, spills, discharges) will be reported to the BLM - Farmington, New Mexico within 24 hours (505-327-5344)

14. REPRESENTATIVE AND CERTIFICATION

Field Representative:

Mr. Larry A. Chambers
Engineer
Harken Southwest Corporation
501 Airport Drive, Suite 158
Farmington, New Mexico 87401
(505) 327-5531

HARKEN SOUTHWEST CORPORATION

Surface Use Plan

Anasazi 6H #1

Page 6 of 6

Certification:

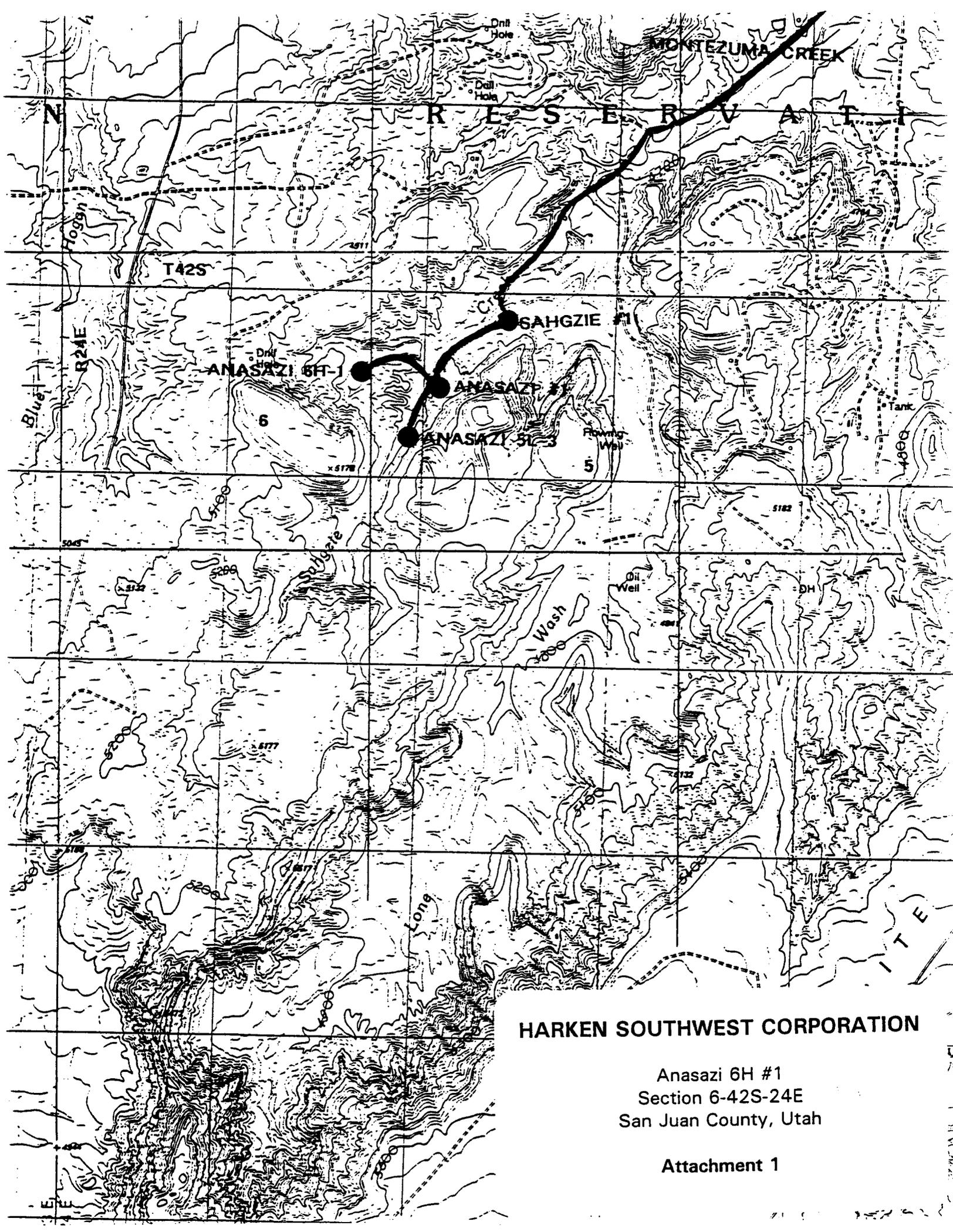
I hereby certify that, or persons under my direct supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions which currently exist; that the statements made in this plan are to the best of my knowledge, true and correct; and that the work associated with operations proposed here in will be performed by Harken Southwest Corporation and its contractors and subcontracts in conformity with this plan and the terms and conditions under which it is approved.



Date: 6-17-94

Marshall C. Watson, P. E.

Vice President



MONTEZUMA CREEK

R E S E R V A T I O N

T42S

R24E

ANASAZI 6H-1

SAHGZIE #1

ANASAZI #1

ANASAZI 5L-3

Flowing Well

Wash

Oil Well

HARKEN SOUTHWEST CORPORATION

Anasazi 6H #1
Section 6-42S-24E
San Juan County, Utah

Attachment 1

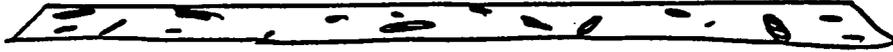
7

Cross Section

Anasazi 6 - H - 1

Cut 
Fill 

1"=50' Horz. & Vert.



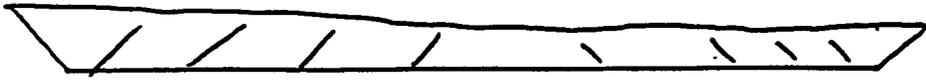
c

c'



b

b'



a

a'

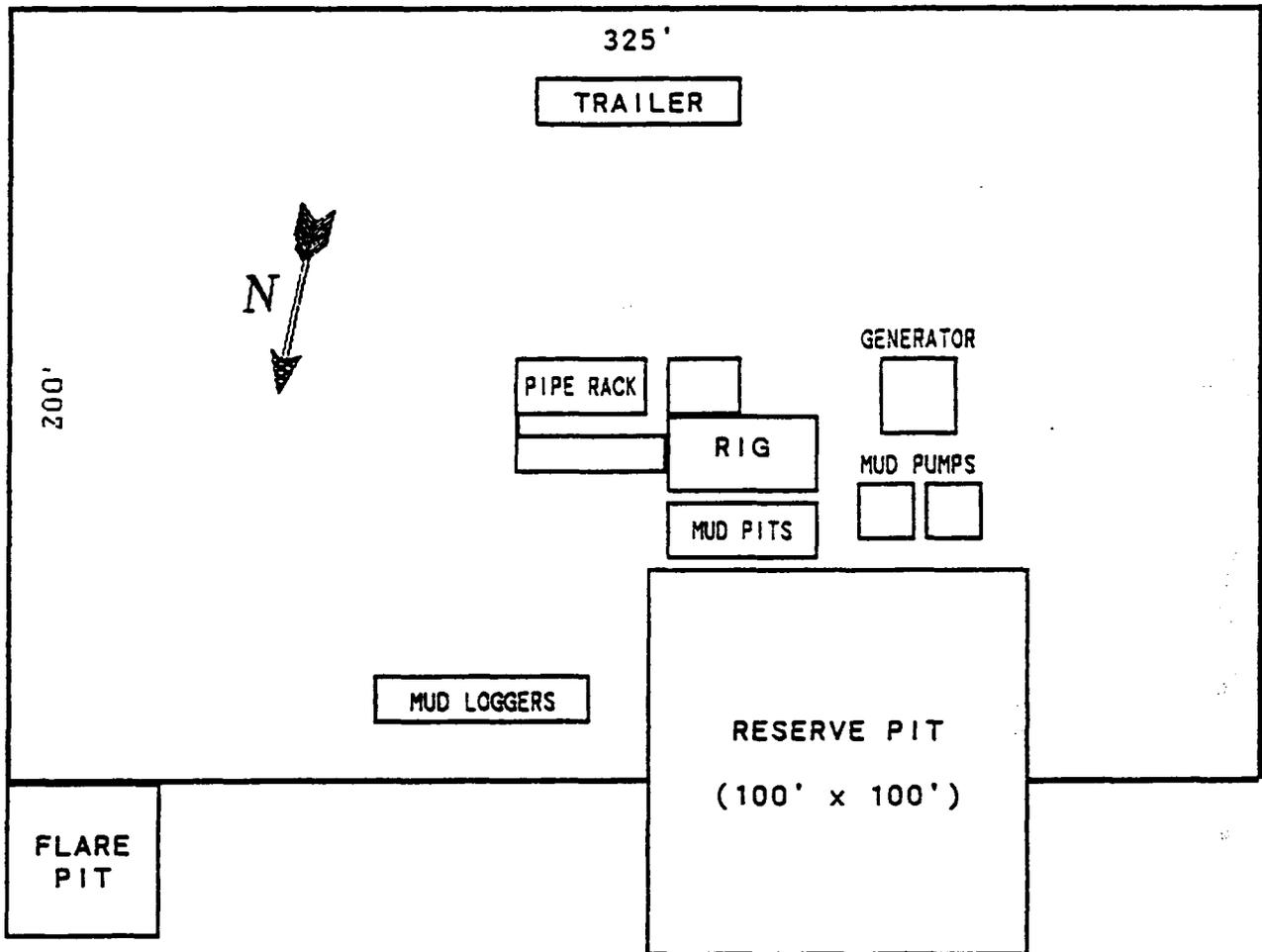
LOCATION LAYOUT

Anasazi 6H-1

2,150' FNL, 200' FEL

SECTION 6, TOWNSHIP 42S, RANGE 24E

San Juan COUNTY, Utah



HARKEN SOUTHWEST CORPORATION

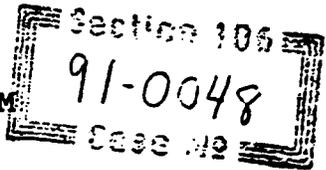
Anasazi 6H #1
Section 6-42S-24E
San Juan County, Utah

Attachment 5

RECEIVED
FEB - 4 1991

RECEIVED JAN 15 1991

CULTURAL RESOURCES COMPLIANCE FORM
HISTORIC PRESERVATION DEPARTMENT
P.O. BOX 2898
WINDOW ROCK, ARIZONA 86515



ROUTING: COPIES TO
UT S.H.P.O
Shiprock AGENCY
X REAL PROPERTY MGT/330
X NNAD

NNHPD NO. HPD90-664
BIA PROJECT NO. NTM-90-601
OTHER PROJECT NO.
NNAD-90-401

PROJECT TITLE: An Archaeological Survey of Chuska Energy Company's Proposed Anasazi 6H-1 Well Location in the Vicinity of Montezuma Creek, San Juan County, Utah

SPONSOR: Larry Sessions, Chuska Energy Company, 3315 Bloomfield Highway, Farmington, NM 87401

PROJECT DESCRIPTION: Anasazi 6H-1 well location

LAND STATUS: Tribal Trust
CHAPTER: Red Mesa
LOCATION (legal): T42S, R24E, Sec. 5, 6 (in part), San Juan County, Utah

PROJECT ARCHAEOLOGIST: Genevieve Pino
NAVAJO ANTIQUITIES PERMIT NO.: NTC

DATE INSPECTED: 10/29-30/90
DATE OF REPORT: 11/15/90
TOTAL ACREAGE INSPECTED: 5.74

METHOD OF INVESTIGATION: Class III pedestrian inventory with transects spaced 8-10 m apart.

LIST OF CULTURAL RESOURCES FOUND: one archaeological site

LIST OF ELIGIBLE PROPERTIES: UT-C-54-115

LIST OF NON-ELIGIBLE PROPERTIES: None

LIST OF ARCHAEOLOGICAL RESOURCES: UT-C-54-115

EFFECT/CONDITIONS OF COMPLIANCE: No effect if construction is confined to proposed well location and previously surveyed access route.

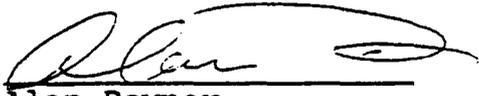
In the event of a discovery ["discovery" means any previously unidentified or incorrectly identified cultural resources including but not limited to archaeological deposits, human

remains, or locations reportedly associated with Native American religious/traditional beliefs or practices], all operations in the immediate vicinity of the discovery must cease and the Navajo Nation Historic Preservation Department must be notified 602-871-6437.

FORM PREPARED BY: Jane King
FINALIZED: ldavis01/04/91

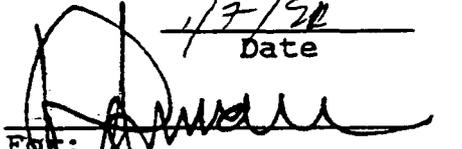
Notification to
Proceed Recommended:
Conditions:

Yes X No
Yes X No


Alan Downer
Navajo Nation Historic
Preservation Officer
1/7/91
Date

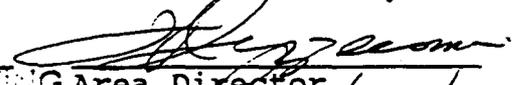
Concurred:

Yes No
Yes No


For: 
S.R.P.O. Officer
1/21/91
Date

Agency Approval:

Yes No
Yes No


Area Director
1/29/91
Date

RECEIVED
APR 10 1991



United States Department of the Interior
BUREAU OF INDIAN AFFAIRS



Navajo Area Office
Post Office Box 1060
Gallup, New Mexico 87305

IN REPLY REFER TO:

Environmental Quality
EA-91-21

APR - 4 1991

Ms. Nell Lindenmeyer
Landman
Chuska Energy Company
3315 Bloomfield Highway
Farmington, New Mexico 87401

RE: Environmental Review - APD for Anasazi 6-H-1 Well Site and
Associated Access Road Located in Sec. 6, T42S, R24E, SLM
For Chuska Energy Company, San Juan County, UT EA-91-21

Dear Ms. Lindenmeyer:

The documentation submitted to this office for Chuska Energy
Company's Anasazi 6-H-1 Well APD located in Section 6, T42S, R24E
and associated access road in San Juan County, Utah has been
reviewed.

Based on this review, it has been determined that the proposed
action will not have a significant impact on the quality of the
human environment. Therefore, an Environmental Impact Statement
is not required.

The enclosed "Finding of No Significant Impact" statement should
be appended to the APD package and all copies prepared for
distribution.

Thank you for your cooperation in this matter.

Sincerely,

Acting Assistant Area Director

Enclosure-FONSI

HARKEN SOUTHWEST CORPORATION

Anasazi 6H #1
Section 6-42S-24E
San Juan County, Utah

Attachment 7

FINDING OF NO SIGNIFICANT IMPACT

EA-91-21

Chuska Energy Company
Anasazi 6-H-1 Well and Associated Access Road
Sec. 6; T42S; R24E
2150' FNSL, 200' FEL
San Juan County, Utah

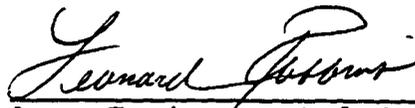
The proposed action consists of approving an APD for the development of Chuska Energy Company's Anasazi 6-H-1 Well and associated 14' wide access road located in Section 6, T42S, R24E, SLM in San Juan County, Utah.

Based on the attached APD package and the Final Environmental Assessment for Chuska Energy Company's Acquisition of an Oil and Gas Lease in Apache and Navajo Counties in Arizona; San Juan County in New Mexico; and San Juan County in Utah, (EA-88-21); and the Environmental Assessment for Chuska Energy Company's Proposed Anasazi 6-H-1 Well Development in San Juan, Utah (EA-91-21), it is determined that the proposed action will not have a significant impact on the human environment so as to require the preparation of an Environmental Impact Statement.

Additionally, a commitment has been made by Chuska Energy to install culverts at drainage areas in the access road.

References:

- APD for Anasazi 6-H-1 Well and Access Road
- Well Location & Acreage Dedicated Plat
- Chuska Energy Company 10 Point Drilling Plan
- Exhibit "A" Blowout Preventer Schematic
- Surface Use Program
- BLM's General Requirements for Oil and Gas Operations on Fed. & Ind. Leases 3162.3-1(016)
- Archeological Survey Report for the Proposed Anasazi 6-H-1 Well
- DOI-BIA Cultural Resource Compliance Form NTM-90-601
- Environmental Assessment Prepared by Permits West
- BIA-Shiprock Agency Correspondence with Stipulations
- BLM Environmental Stipulations
- Permittee's (Melvin Capitan, Sr.) Cultural and Religious Resource Clearance


Area Environmental Quality Officer

4-3-91

Date

EXHIBIT "A"
BLOWOUT PREVENTER

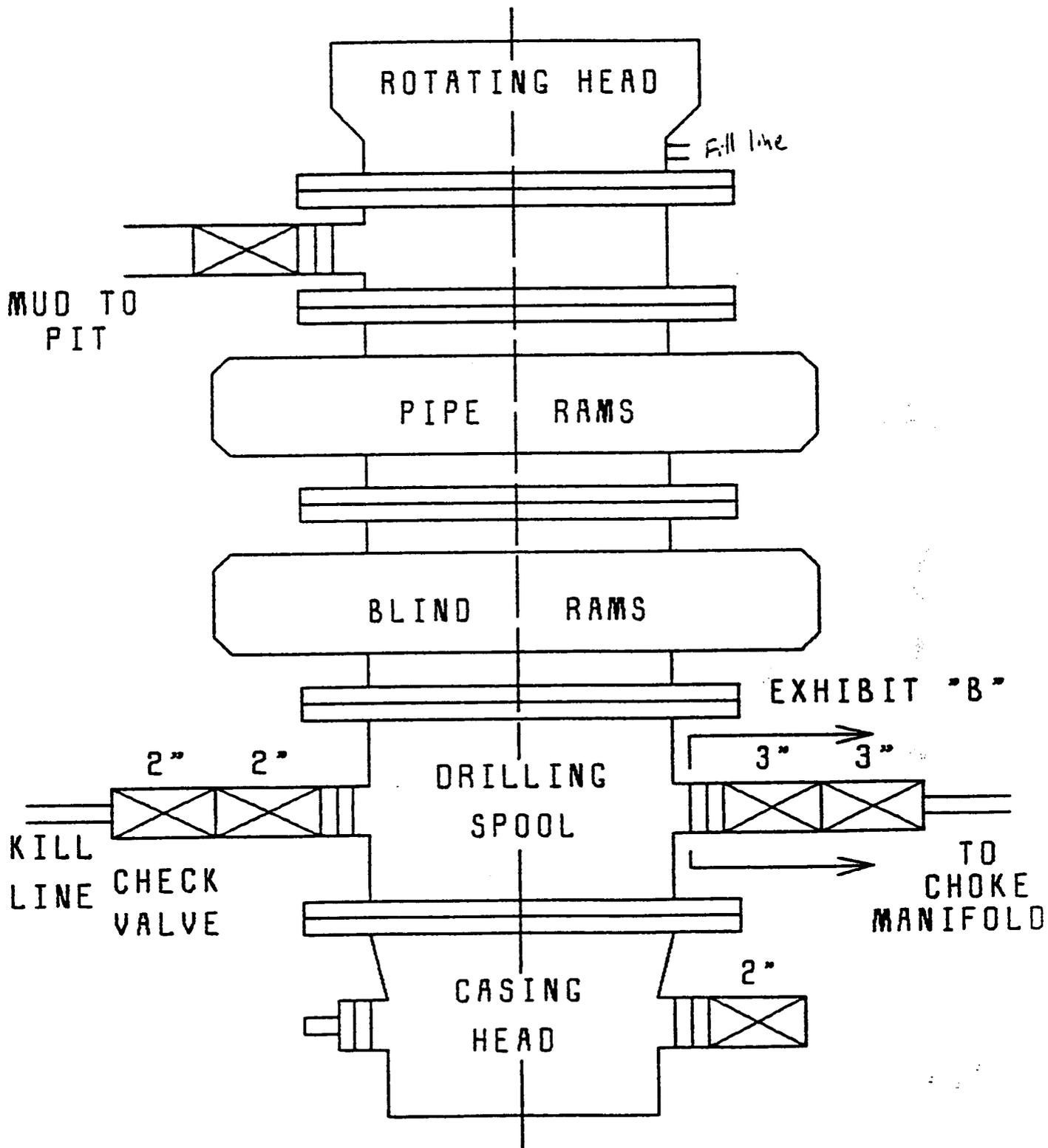
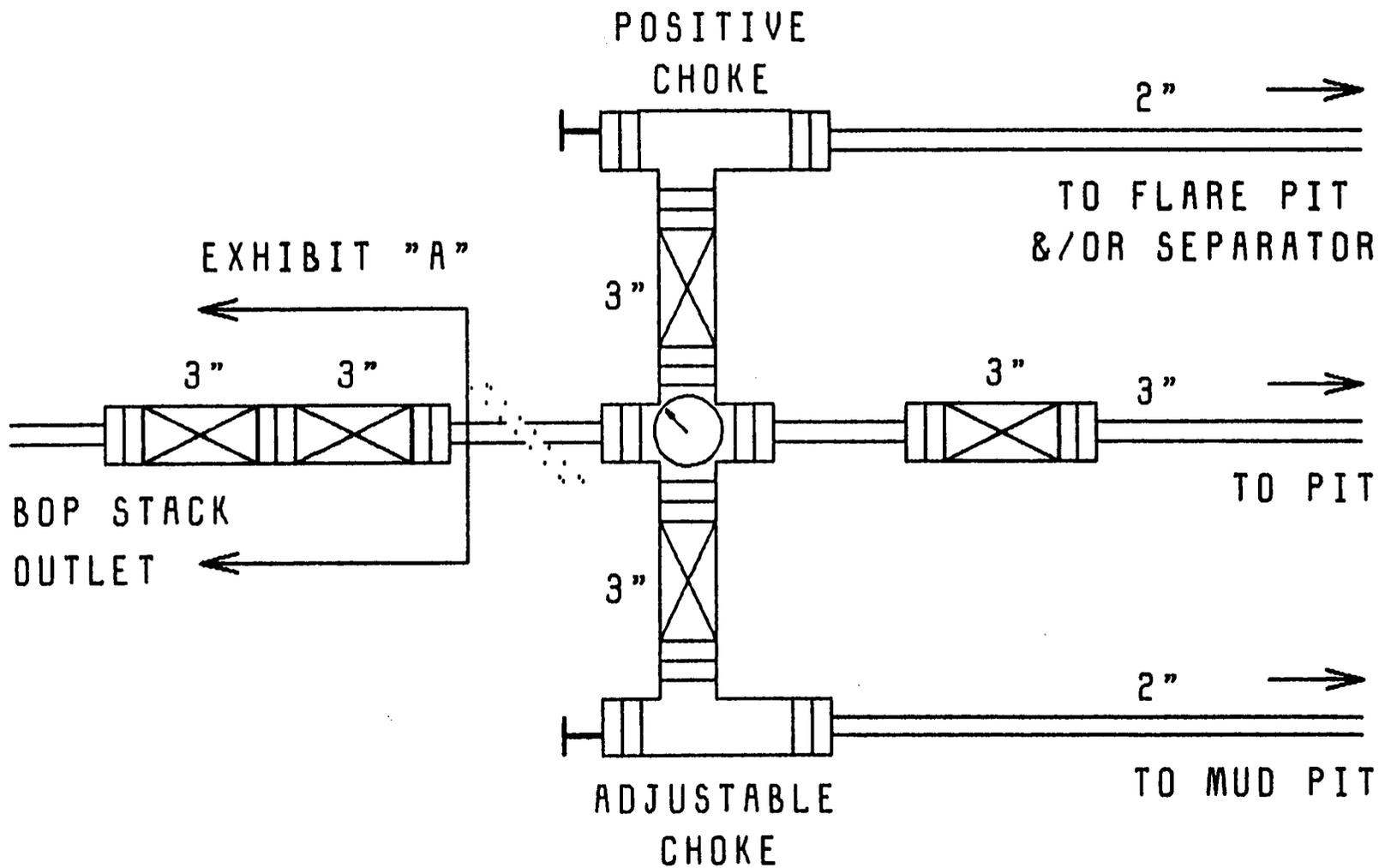


EXHIBIT "B"
CHOKE MANIFOLD



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 to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

NOG 8707-1163

6. If Indian, Allottee or Tribe Name

Navajo

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

Anasazi 6H #1

9. API Well No.

43-037-31744

10. Field and Pool, or Exploratory Area

Anasazi/Paradox

11. County or Parish, State

San Juan Co., UT

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

HARKEN SOUTHWEST CORPORATION

3. Address and Telephone No.

P. O. Drawer 612007, Dallas, TX 75261 (214) 753-6900

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

Section 6-42S-24E
2150' FNL & 200' FEL (NE/4)

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

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

(Note: Report results of multiple completion on a 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.)

Due to personnel changes please note the following changes in the previously submitted APD:

Surface Use Plan - Item 10 - Field Representative:
Richard Cottle, Engineer
Harken Southwest Corporation

CC: State of Utah

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

Signed

[Signature]

Title

Production Administrator

Date

3/21/95

(This space for Federal or State office use)

Approved by

[Signature]

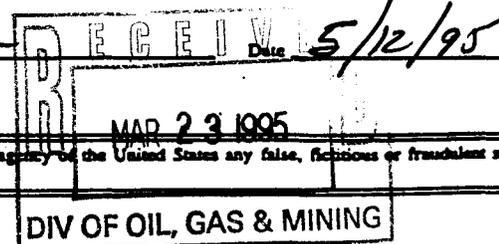
Title

[Signature] Engineer

Date

5/12/95

Conditions of approval, if any:



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



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

Michael O. Leavitt
Governor
Ted Stewart
Executive Director
James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

May 12, 1995

Harken Southwest Corporation
P. O. Drawer 612007
Dallas, Texas 75261

Re: Anasazi 6H #1 Well, 2150' FNL, 200' FEL, SE NE, Sec. 6, T. 42 S., R. 24 E., San Juan 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 43-037-31744.

Sincerely,


R. J. Firth
Associate Director

ldc
Enclosures
cc: San Juan County Assessor
Bureau of Land Management, Moab District Office
WAPD



Operator: Harken Southwest Corporation
Well Name & Number: Anasazi 6H #1
API Number: 43-037-31744
Lease: Indian NOG 8707-1163
Location: SE NE Sec. 6 T. 42 S., R. 24 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 following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5340.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Frank Matthews or Mike Hebertson at (801)538-5340.

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.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: HARKEN SOUTHWEST CORP.

Well Name: ANASAZI 6H # 1

Api No. 43-037-31744

Section 6 Township 42S Range 24E County SAN JUAN

Drilling Contractor FOUR CORNERS

Rig # 14

SPUDDED: Date 5/20/95

Time 8:00 PM

How ROTARY

Drilling will commence _____

Reported by RACHELL MONTGOMERY

Telephone # 1-214-753-6900

Date: 5/24/95 Signed: FRM

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
SUBJECT ON THE CATER
(Other instructions on
reverse side)
MAY 22 1995

FORM APPROVED
OMB NO. 1004-0136
Expires: February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK
DRILL DEEPEN DIV. OF OIL, GAS & MINING

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

2. NAME OF OPERATOR
HARKEN SOUTHWEST CORPORATION

3. ADDRESS AND TELEPHONE NO.
P. O. Drawer 612007, Dallas, TX 75261 817/695-4900

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface 2150' FNL & 200' FEL
At proposed prod. zone Straight Hole

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
7 miles south of Montezuma Creek, UT

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)
672'

16. NO. OF ACRES IN LEASE
49,997

17. NO. OF ACRES ASSIGNED TO THIS WELL
80

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
1340'

19. PROPOSED DEPTH
+/- 5872' GR

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether this section is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.)
4872' GR

22. APPROX. DATE WORK WILL START*
upon approval 7/94

23. PROPOSED CASING AND CEMENTING PROGRAM

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED GENERAL REQUIREMENTS
371sx Cl "G" + additives
Stage Cementing as per attached documentation

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
12-1/4"	8-5/8"	24#	500'
7-7/8"	5-1/2"	15.5#	5872'

Attached:

- Detailed Drilling Plan
- Surface Use Plan
- 10 Point Compliance
- Attachments (1-8) and Exhibits (A&B)

RECEIVED
BLM
94 JUN 20 AM 11:54
070 FARMINGTON, NM

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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.

Rachelle Montgomery

Rachelle Montgomery Production Admin DATE 6/17/94

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED AS AMENDED

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:

MAY 10 1995

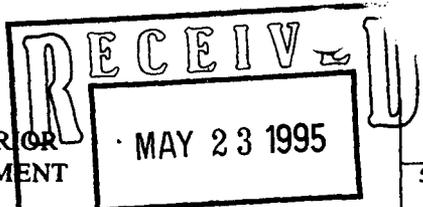
OPERATOR

DISTRICT MANAGER

APPROVED BY _____ TITLE _____

*See Instructions On Reverse Side

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
DIVISION OF OIL, GAS & MINING

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

5. Lease Designation and Serial No.
NOG 8707-1163

6. If Indian, Allottee or Tribe Name
Navajo Tribal

7. If Unit or CA, Agreement Designation
N/A

8. Well Name and No.
Anasazi 6H-1

9. API Well No.
43-037-31744

10. Field and Pool, or Exploratory Area
Anasazi (Paradox)

11. County or Parish, State
San Juan, Utah

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Harken Southwest Corporation

3. Address and Telephone No.
P. O. Box 612007, Dallas, TX 75261-2007 (214) 753-6900

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SE/NE Sec 6-42S-24E
2150' FNL & 200' FEL

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 checked="" type="checkbox"/> Other <u>Spud & Set Casing</u>
	<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.)*

Four Corners Drilling Rig #14 - MIRU, Waiting on water, mix mud. Drlg Rathole & mousehole. **SPUD 12-1/4" surface hole @ 8 p.m on 5/20/95.** Drlg ahead to 583'.
TOH, LD 8" DC's. RU & run csg. Ran 11 jts (496.20'), 8-5/8", 24#, J-55, 8 rd, STC, landed @ 511'. Cement csg, Halliburton pumped 20 bbl H₂O, ahead, mixed 375 sx prem Cl "G" cmt w/2% CaCl, 1/4#/sx Flocele, yield 1.15 ft³/sx, 15.6 ppg. Displ w/29.7 bbl H₂O, bumped plug w/1000 psi. Plug dwn @ 3:10 p.m. Float held, circ 20 bbl cmt to pit. WOC.

Present Operations: Drilling ahead

***** Please consider this submittal - CONFIDENTIAL *****

cc: State of Utah ✓
Navajo Nation - Minerals Dept.
BIA - Gallup, NM

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

Signed Rachelle Montgomery Title Production Administrator Date 5/22/95

(This space for Federal or State office use)

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

ENTITY ACTION FORM - FORM 6

OPERATOR Harken Southwest Corporation

OPERATOR ACCT. NO. N 9290

ADDRESS P.O. Box 612007

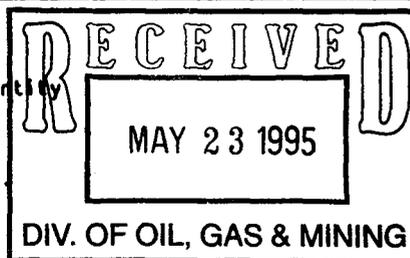
Dallas, TX 75261-2007

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	11773	43-037-31744	Anasazi 6H-1	SE/NE	6	42S	24E	San Juan	5/20/95	
WELL 1 COMMENTS: <i>Entity added 5-25-95. Lee</i>											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

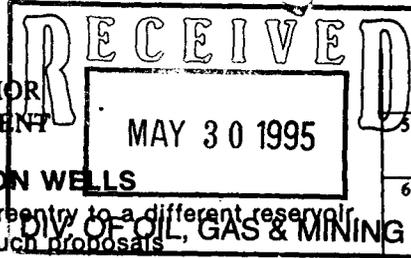
- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

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



Rachelle Montgomery
Signature
Production Adm. 5/22/95
Title Date
Phone No. (214) 753-6900

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 to a different reservoir
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

LOG 8707-1163

6. If Indian, Allottee or Tribe Name

Navajo Nation

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

Anasazi 6H-1

9. API Well No.

43-037-31744

10. Field and Pool, or Exploratory Area

Anasazi (Paradox)

11. County or Parish, State

San Juan Co., UT

SUBMIT IN TRIPLICATE

CONFIDENTIAL

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

HARKEN SOUTHWEST CORPORATION

3. Address and Telephone No.

P. O. Box 612007, Dallas, TX 75261-2007 (214) 753-6900

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

SE/NE Section 6-42S-24E
2150' FNL & 200' FEL

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 _____
- 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.)*

--- CORRECTION ---

The sundry notice dated 05/22/95 erroneously reported the spud date for the subject well as 4/20/95.

THE CORRECT SPUD DATE IS 05/20/95.

CC: State of Utah
Navajo Nation - Minerals Dept
BIA - Gallup, NM

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

Signed

Rachelle Montgomery

Title Production Administrator

Date 5/23/95

(This space for Federal or State office use)

Approved by _____

Title _____

Date _____

Conditions of approval, if any:

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

RECEIVED
JUN 08 1995

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

5. Lease Designation and Serial No.
NOG 8707-1163

SUNDRY NOTICES AND REPORTS ON WELLS, GAS & MINING

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

6. If Indian, Allottee or Tribe Name

Navajo Nation

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

Anasazi 6H-1

9. API Well No.

43-037-31744

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Anasazi (Paradox)

11. County or Parish, State

San Juan County, UT

SUBMIT IN TRIPLICATE

CONFIDENTIAL

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

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3. Address and Telephone No.

P. O. Box 612007, Dallas, TX 75261-2007, (214) 753-6900

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

SE/NE Section 6-42S-24E
2150' FNL & 200' FEL

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- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

TYPE OF ACTION

- Abandonment
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Other Setting Casing (Production)
- 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.)*

RU casing crew, ran 136 jts (5823.71') 5-1/2", 15.5#, J-55 STC csg, set @ 5825' KB. FC @ 5782', Stage collar @ 5015'. Cement 1st stage. Halliburton pumped 20 bbl mud flush, 20 bbl H₂O ahead, mixed 290 bbl Prem "G" w/5% Gilsonite, 3% Halad 344, 2% CFR-3, 1/4#/sx Flocele, 1% SCR 100, yield 1.19 ft³/sx, 15.6 ppg, displ w/20 bbl H₂O, 117 bbl mud, bumped plug w/1050 psi. Plug down 7:20 a.m. float held. Dropped bomb, opened stage tool @ 1640 psi, circ between stages, circ 35 bbl cmt to pit. Cement 2nd stage, pumped 20 bbl mud flush, 20 bbl H₂O ahead, mixed 1600 sx Class "C" LS/35 poz w/6% gel, 5#/sx Gilsonite, 1/4#/sx flocele, yield 1.88 ft³/sx, 12.4 ppg, displ w/120 bbl wtr & mud, closed DVT w/2650 psi. Plug down @ 1:45 p.m., circ 19 bbl cement to pit. ND BOP, set csg on slips w/77,000#, cut of csg. ND, clean pits, RD. Rig Released @ 7:00 p.m. 6/6/95.

STATUS: SI waiting on completion

CC: State of Utah
Navajo Nation -Minerals
BIA-Gallup, NM

*****PLEASE CONSIDER THIS SUBMITTAL CONFIDENTIAL*****

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

Signed

[Signature]

Title Production Administrator

Date

06/06/95

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:



ROCKY MOUNTAIN GEO-ENGINEERING CORP.

Well Logging • Consulting Geology • Coal Bed Methane Services • Computerized Logging Equipment & Software

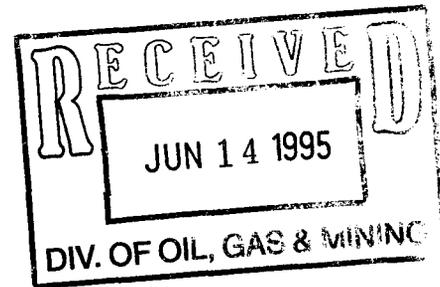
2450 INDUSTRIAL BLVD. • GRAND JUNCTION, CO 81505
(970) 243-3044 • FAX: 241-1085

June 10, 1995

Attn.: Marshall Watson
Harken S. W. Corporation
5605 N. MacArthur Blvd., Set. 400
Irving, TX 75038

Re: Anasazi 6H #1
Sec. 6, T42S, R24E
San Juan County, Utah

43-037-31744



CONFIDENTIAL

Dear Mr. Watson:

Enclosed are the final logs/geology report for the above referenced well.

We appreciate the opportunity to be of service and look forward to working with you in the near future.

If you have further questions, please contact us.

Respectfully,

Bill Nagel
Senior

BN/dn

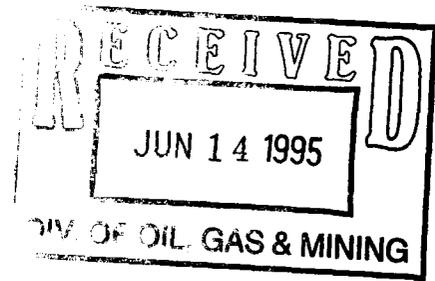
Enc. 3 Final Logs (1 Colored)/1 Vellum

Please note: This information shall be held Confidential for the maximum period possible, as requested by Harken Southwest Corporation

cc 1 Final Log/Geology Report; Rega, Inc.; W. E. Culham; Houston, TX
1 Final Log/Geology Report; Eby Petrography & Consulting, Inc.; D. Eby;
Littleton, CO

1 Final Log/Geology Report; U. S. Geo. Survey; A. C. Huffman; Denver, CO
1 Final Log/Geology Report; Bureau of Indian Affairs; Real Property Mgt.;
Gallup, NM
1 Final Log/Geology Report; Navajo Nation; Minerals Dept.; Window Rock, AZ
1 Final Log/Geology Report; Amadeus Petroleum, Inc.; T Spurling; Brisbane,
Queensland, Australia
1 Final Log/Geology Report; Jindavik Petroleum, Inc.; V. G. Swindon; Brisbane,
Queensland, Australia
1 Final Log/Geology Report; State of Utah; O & G Div.; F Matthews; Salt Lake
City, UT
1 Final Log/Geology Report; Bligh Petroleum; Herb Mosca; Dallas, TX

**HARKEN SOUTHWEST CORP.
ANASAZI 6H #1
SECTION 6, T42S - R24E
SAN JUAN COUNTY, UTAH**



**GEOLOGY REPORT
by
DAVE MEADE
ROCKY MOUNTAIN GEO-ENGINEERING CORP.
GRAND JUNCTION, COLORADO
(970) 243-3044**

TABLE OF CONTENTS

WELL SUMMARY.....	3
DAILY WELL CHRONOLOGY.....	4
BIT RECORD.....	7
MUD RECORD.....	8
SAMPLE DESCRIPTIONS.....	9
CORE DESCRIPTIONS.....	17
SHOW REPORT.....	20
FORMATION TOPS.....	21
GEOLOGIC SUMMARY AND ZONES OF INTEREST.....	22

WELL SUMMARY

OPERATOR: HARKEN SOUTHWEST CORP.

NAME: ANASAZI 6H #1

LOCATION: SEC. 6, T42S, R24E

COUNTY/STATE: SAN JUAN, UTAH

ELEVATION: GL: 4872' KB: 4885'

SPUD DATE: 5/19/95

COMPLETION DATE: 6/01/95

DRILLING ENGINEER: GENE JEVENE

WELLSITE GEOLOGY: DAVE MEADE

MUDLOGGING: ROCKY MOUNTAIN GEO. ENG.
ENGINEERS DAVE MEADE / CHARLES "CHIP" WALLACE

CONTRACTOR: 4 CORNERS DRILLING RIG #14
TOOLPUSHER: BOWEN VALEJOS /JIM ANDES

HOLE SIZE: 12 1/4" 0-529'; 7 7/8" 529'-5826'

CASING RECORD: 8 3/8" CASING SET AT 511'

DRILLING MUD: MUSTANG DRILLING FLUIDS
ENGINEER: CAROL HART
MUD TYPE: 0'-529' SPUD MUD; 529'-4210' FRESH WATER/GEL;
4210'-5665' LSND CHEM MUD; 5665'-5826' NONINVASIVE-LOW
WATER LOSS MUD

CORES: BAKER-HUGHES CHUCK IRELAND

DRILL STEM TESTS NONE

ELECTRIC LOGS: HALLIBURTON
ENGINEER: J. SAVAGE/B. DEARING
TYPE LOGS: GR/DLL/NEUTRON DENSITY/MICROLOG/ SONIC

TOTAL DEPTH: DRILLER: 5826' LOGGER: *5770' (*DUE TO FILL)

STATUS: RUNNING PRODUCTION CASING

DRILLING CHRONOLOGY

HARKEN SOUTHWEST CORP.

ANASAZI 6H #1

DATE	DEPTH	DAILY	ACTIVITY
05/19/95 (01)	0'	71'	RIG UP-W.O WATER-MIX SPUD MUD-DLRG RAT & MOUSE HOLE-DRLG 9 7/8" PILOT HOLE-DRLG 12 1/4" SURFACE HOLE-SURVEY DRLG
05/20/95 (02)	71'	0'	DLRG-SURVEYS-DRLG-CIR. -SURVEY-SHORT TRIP-CIR & W.O. CASING-TOH-LAY DOWN DRL COLLARS-RUN 8 5/8" CASING TO 511'-CMT-W.O.CMT NIPPLE UP
05/21/95 (03)	529'	1221'	NIPPLE UP-PRES TEST-DRLG CMT & SHOE-DRLG 7 7/8" HOLE-SURVEYS-DRLG
05/22/95 (04)	1750'	1645'	DLRG-SURVEYS-DLRG
05/23/95 (05)	2940'	694'	DLRG-SURVEY-DLRG
05/24/95 (06)	3634'	571'	DLRG-SURVEY-DRLG
05/25/95 (07)	4205'	295'	DLRG (MUD UP @ 4210')-DROP SURVEY-TOH & SLM-TIH W/BIT #3-CUT 120' DRLG LINE-TIH-WASH & REAM 37' TO BTM-DLRG
05/26/95 (08)	4500'	165'	DRLG-TOH FOR HOLE IN COLLARS-TIH-WASH 20' TO BTM-DRLG-TOH @ 4665' (TWISTED OFF)-PICK UP FISHING TOOLS-TIH-FISH-TOH W/FISH
05/27/95 (09)	4665'	198'	TOH-INSPECT COLLARS-MAKE UP BHA & PICK UP NEW BIT-TIH WASH 20' TO BTM-DLRG-SURVEY-DRLG
05/28/95 (10)	4863'	372'	DLRG-PUMP CEDAR FIBER SWEEP-TOH 34 STDS FOR HOLE IN PIPE-TIH-DRLG
05/29/95 (11)	5235'	196'	DRLG-RIG SERVICE-DRLG
05/30/95 (12)	5431'		DRLG-CIR SPLS @ 5665'-TOH 10 STDS-DUMP & JET PITS-MIX NONINVASIVE MUD SYSTEM-CIR & DISPLACE HOLE-TOH-PICK UP CORE BBL-TIH

DATE	DEPTH	DAILY	ACTIVITY
05/31/95 (13)	5665'	120'	TIH-CIR-CORE #1-T OH-LAY DOWN CORE #1-TIH-CORE #2-TOH-LAY DOWN CORE #2-LAY DOWN CORE BBL-PICK UP NEW BIT #7-TIH
06/01/95 (14)	5785'	46'	TIH-DRLG-CIR SPLS @ 5826'-TOH-W.O. LOGGERS-RIG UP LOGGERS-LOGGING-HIT BRIDGE-RIG DOWN LOGGERS-TIH-WASH OUT BRIDGES @ 5364' & 5670'-TIH-WASH 22' TO BTM-CIR BTMS UP-SHORT TRIP-PUMP SLUG-TOH
06/02/95	5826 (TD)	0'	TOH-RIG UP LOGGERS-LOGGING W/NEUTRON-DENSITY TOOL (+/- 50' FILL ON BTM)-RUN RFT TOOL-WON'T GO TO BTM-HIT BRIDGE @ 5364'-RIG DOWN LOGGERS-TIH-WASH 76' TO BTM-CIR & COND HOLE & MIX BAR-PUMP SLUG-TOH-W.O. LOGGERS-RIG UP LOGGERS-RUN RFT TOOL
06/03/95	5826' (TD)	0'	RUN RFT TOOL-RUN DLL/SONIC/GR-TOOL PULLED TIGHT-PULLED APART AT ROPE SOCKET-W.O. FISHING TOOLS-TIH-FISH-RETRIVE DLL/SONIC TOOL-TIH CIR & COND HOLE-TOH
06/04/95	5826' (TD)	0'	TOH-RUN DLL/GR-RUN BHC SONIC/GR (LOGS NOT GONIG ALL THE WAY TO BTM- +/- 50' OF FILL)-RIG DOWN LOGGERS-TIH-CIR & COND FOR CASING

HARKEN SOUTHWEST CORP.
ANASAZI 6H #1
SECTION 6, T42S-R24E
SAN JUAN COUNTY, UTAH

SAMPLE DESCRIPTION

5000-5010	TR REDORNG-REDBRN SH CVGS FR SPL	
80%	LS	wh-crm-tan, occ ltgy, crpxl-micxl, sft-mhd, cln, sl arg, occ rthy-chk, tr mic fos, v sl slty, occ sl anhy, tt, NFSOC
10%	SH	lt-mgy, sbblky, sft-mfrm, mica ip, calc, v sl slty, rthy, occ sl carb
10%	SLTST	ltgy-ltgybrn, occ rn, fri-mfrm, sl mica, v sl sdy, arg, calc, occ grdg to slty LS
	TR CHT	trnsl-clr
5010-5020	TR SH CVGS AA	
90%	LS	AA, incr arg, v sl mrly, chty ip
10%	SLTST	AA
	TR SH	AA
	TR CHT	AA
5020-5030	TR VARI COL SH CVGS FR SPL	
70%	LS	AA, bcmg brn-gybrn, AA
20%	SH	ltgy, occ gygn-mgy, sbblky-sbplty, sft, rthy, sbwxy ip, sl calc-calc, mica ip
10%	SLTST	AA
	TR CHT	AA, occ bf
5030-5040	CVGS AA	
80%	LS	crm-tan, occ wh, crpxl-micxl, sft-mhd, cln-rthy, v sl chk, chty ip, v sl anhy, rr mic fos, occ slty, tt, NFSOC
10%	SH	AA
10%	SLTST	AA
	TR CHT	AA
5040-5050	INCR VARI COL SH CVGS P-FR SPL	
70%	LS	AA, incr slty, brn ip
20%	SLTST	ltgy-ltgybrn, fri-mfrm, sdy, v lmy, mica, sl arg, grdg to slty LS
10%	SH	AA, pred ltgyf
	TR SS	clr-trnsl, vf gr, sbang, w srt, m-p cmt, calc cly cmt, sl mica, v slty, tt, NFSOC
5050-5060	ABNT VARI COL SH CVGS V P SPL	
80%	LS	AA
10%	SH	AA, pred cvgs, tr pyr
10%	SLTST	AA
5060-5070	TR VARI COL SH CVGS P-FR SPL TR LOOSE QTZ GR CVGS	
70%	LS	crm-wh, tan, ltgy-brn ip, crpxl-micxl, sft-mhd, cln-rthy, occ sl slty, v sl sdy, v sl anhy, rr mic fos, mica ip, v sl chty, tt, NFSOC
20%	SLTST	AA, v sdy ip
10%	SS	clr-trnsl, vf-f gr, sbang-rd, w sdrt, m-p cmt, calc cly cmt, occ LS cmt, v sl mica, cln, v rr glau, tt-v rr intxl POR, NFSOC
	TR CHT	clr-trnsl, occ smky gy

5070-5080	70%	LS	AA, tr Crin fos, tt, NFSOC
	20%	SS	AA, NFSOC
	10%	SLTST	AA
5080-5090	60%	LS	AA, tr Crin fos
	30%	SLTST	gy-gybrn, occ orng brn cvgs, arg-ark, calc-lmy, grdg to slty LS
	10%	SS	AA
5090-5100	50%	LS	AA
	40%	SLTST	AA
	10%	SS	AA
5100-5110	40%	LS	wh-ltgy, occ gybrn, micxl, w/v rr vfxl stks, frm-mhd, cln-occ arg-slty, occ sdy, tt-v rr intxl POR, NFSOC
	30%	SH	lt-mgy-gygn, gybrn, sbblky-splty, frm, wxy, slty, occ sdy incl, sl-v lmy, sl mica ip
	20%	SLTST	AA
	10%	SS	AA
5110-5120	50%	LS	AA
	20%	SLTST	AA
	20%	SH	AA
	10%	SS	AA, clr, qtz, f-m gr, sbang-ang, p cmt-uncons, NFSOC
5120-5130	50%	LS	AA, occ dkbrn, slty
	20%	SLTST	AA
	20%	SH	AA
	10%	SS	AA, qtz'c, uncons
5130-5140	50%	LS	wh-tan, incr crpxl, dns ip, AA
	20%	SLTST	AA
	20%	SH	AA
	10%	SS	AA
5140-5150	80%	LS	crm-tan, ltbrn, crpxl-micxl, occ vfxl-gran ip, frm-mhd, dns, occ cln-sl arg, occ sdy, tt, NFSOC
	20%	SLTST	gy, occ redorng cvgs, frm, calc-lmy, rthy
5150-5160	80%	LS	AA
	20%	SLTST	AA
5160-5170	70%	LS	AA, incr vfxl, gran-sdy, NFSOC
	30%	SH	gy-gybrn, occ redbrn-purp cvgs, sbplty, frm, wxy ip, occ slty-sdy, sl-m calc
5170-5180	SPL	LAT-ABNT	CVGS-METAL FRAG P SPL
	80%	LS	AA
	20%	SH	AA
5180-5190	60%	LS	AA, m-dkgybrn ip, incr arg-rthy
	20%	SLTST	lt-dkgy, shy-shy, calc-lmy
	20%	SH	gy-gygn, AA, occ lav cvg, slty-sdy, grdg to MUDST ip
5190-5200	70%	LS	AA
	30%	SLTST	AA
5200-5210	50%	LS	AA, gran, dns
	20%	SLTST	lt-dkgy, occ redbrn cvgs, AA, incr mica ip
	30%	SH	lt-dkgy, gygn, occ lav cvgs, sbblky, frm, slty-sdy ip, wxy-rthy, sl-v calc

5210-5220 50% LS AA
30% SH AA
20% SLTST AA

5220-5230 TR VARI COL SH CVGS FR-G SPL
90% LS tan-brn, wh-crm ip, crpxl-micxl, sft-mhd, cln, occ
rthy-sl slty, chk ip, slanhy, occ chty, rr mic fos,
tt-v rr intxl POR, NFSOC
10% SLTST ltgy-ltgybrn, fri-frm, v lmy, sl sdy, mica, arg
TR SH AA, ltgy
TR CHT trnsl-clr

5230-5240 TR CVGS AA
85% LS AA, sl incr slty, arg ip
10% SLTST AA
5% CHT AA
TR SH AA

5240-5250 TR VARI COL SH CVGS AA
70% LS pred brn, occ ltgy, AA, incr slty, chty ip, tr Crin-
mic fos
20% SLTST gybrn-ltbrn, occ ltgy, AA
10% CHT AA
TR SH AA

5250-5260 TR CVGS AA
80% LS wh-crm, ltgy-tan-brn ip, crpxl-micxl, v rr vfxl,
sft-mhd, cln, occ rthy-chk, slty ip, v sl chty, rr
mic fos, tt-v rr intxl POR, tr dull mnrl FLOR, NSOC
10% SLTST pred brn, AA, sdy
10% CHT AA
TR SH AA

5260-5270 SL INCR VARI COL SH CVGS FR SPL
70% LS AA, tr mnrl FLOR, NSOC
10% SLTST AA
10% CHT AA
10% SH lt-dkgy, dkgybrn, sbblky-sbplty, sft-frm, rthy,
calc, sl mica, v sl slty, occ sl carb

5270-5280 CVGS AA
70% LS wh-crm-tan-brn, ltgy ip, AA, pred dns, tt, rr mnrl
FLOR, NSOC
20% SLTST brn-gybrn, ltgy ip, fri-mfrm, rthy-v sl sdy, mica
ip, v lmy
10% SH AA, occ blk incr carb, sooty ip
TR CHT bf-trnsl-clr
TR SS clr-trnsl, vf-f gr, sbang, w srt, v p cmt-uncons, v
sl gn calc cly cmt, occ mica, v sl slty, NFSOC

5280-5290 INCR VARI COL SH CVGS FR SPL
60% LS AA, occ gybrn, sl mrly-sl anhy, tt, n-v rr mnrl
FLOR, NSOC
20% SLTST AA
20% SH AA
TR CHT AA

5290-5300 ABNT SH CVGS AA P-FR SPL
70% LS wh-crm-brn, tan-ltgy, crpxl-micxl, occ vfxl, sft-
mhd, cln-rthy, chk ip, sl anhy, occ slty, chty ip,
v rr mic fos, tt, NFSOC
20% SH pred lt-mgy, occ ltgybrn, AA
10% SLTST AA
TR CHT trnsl-clr-brn

5300-5310 ABNT V COL SH CVGS P SPL
50% LS AA, shy-mrly ip, tt, NFSOC
30% SH ltgy, occ ltgygn-dkgy, blk ip, sbblky-sbplty, sft-frm, sl slty, mica, calc, occ carb
20% SLTST lt-mgy-gybrn, ltbrn, fri-mfrm, sl sdy, arg-shy, mica, v lmy
TR CHT AA

5310-5320 ABNT LTGN SH CVGS P SPL
50% LS AA, NFSOC
30% SH AA, pred gn, ltgygn cvgs
20% SLTST AA
TR CHT trnsl-clr

5320-5330 SL DECR CVGS AA, P-FR SPL
70% LS tan-brn, ltgy, occ wh-crm-ltgybrn, AA, v rr mic fos, tt, NFSOC
20% SLTST AA
10% SH AA

5330-5340 DECR VARI COL SH-SS, OCC XL ANHY CVGS FR SPL
60% LS AA
20% SH lt-mgy, occ dkgy-blk-dkgybrn, AA, incr carb, bcmg sooty ip
20% SLTST AA
TR CHT clr-trnsl, smky brn, tr orng cvgs

5340-5350 TR VARI COL SH CVGS P-FR SPL
65% LS tan-brn, occ wh-ltgy, crpxl-micxl, vfxl ip, sft-mhd, cln-dns, occ rthy-chk, sl slty-slty, arg ip, occ chty, v sl anhy ip, rr mic fos, tt-v rr intxl POR, n-v rr mnrl FLOR, NSOC
20% SH lt-mgy, occ gybrn-dkgy, sbblky-sbplty, sft-mfrm, sl mica, calc-v sl carb, sl slty
15% SLTST gybrn-brn, fri-mfrm, sl sdy, mica, shy, lmy
TR CHT AA

5350-5360 DECR VARI COL SH CVGS FR SPL
75% LS AA
15% SH AA
10% SLTST AA
TR CHT AA

5360-5370 DECR VARI COL SH CVGS FR SPL
45% LS AA, pred brn, crpxl, dns, v sl fos, slty ip, NFSOC
35% SH m-dkgy, blk, dkgybrn, sbblky-sbplty, sft-mfrm, mica, sl calc-dol, carb ip, v sl sooty, occ sl slty
10% SLTST AA
10% CHT trnsl-clr, smky gy-brn

5370-5380 DECR CVGS FR-G SPL
75% LS tan-brn-crm-wh, occ ltgy-ltgybrn, crpxl-micxl, sft-frm, mhd ip, chty, rthy-cln, sl arg-sl slty ip, v sl anhy, v rr Crin fos, tt, NFSOC
15% CHT brn-smky brn
10% SH AA
TR SLTST AA

5380-5390	TR VARI COL SH-SLTST CVGS FR-G SPL		
	70% LS	AA, tr Crin fos, occ mrly, grdg to v lmy MRLST ip, v rr intgr POR, n-v rr mnrl FLOR-v rr dull yel FLOR, NSOC	
	20% SH	AA, pred dkgy-dkgybrn, carb ip	
	10% CHT	AA	
	TR SLTST	AA	
5390-5400	80% LS	AA, pred tan, n-v rr intxl POR, n-v rr mnrl FLOR-rr dull yel FLOR, NSOC	
	10% SH	lt-dkgy, occ blk, sbblky-sbplty, sft-mfrm, calc-v sl dol, carb, sooty, v sl slty, mica ip	
	10% CHT	trns1-bf-brn	
	TR SLTST	AA	
5400-5410	RR VARI COL SH CVGS FR-G SPL		
	90% LS	wh-crm, occ tan-ltgy, crpxl-micxl, sft-mhd, rthy-chk, occ cln, dns, v sl slty, v rr mic fos, sl chty, tt, fr mnrl FLOR, NSOC	
	10% SH	AA	
	TR CHT	AA	
5410-5420	TR VARI COL SH CVGS FR SPL		
	85% LS	AA, tr mic fos, tt, NFSOC	
	15% SH	AA, pred ltgy	
	TR CHT	trns1-clr-bf, occ smky brn	
	TR DOL	ltbrn, micxl, frm, sl calc, slty, rthy, arg ip, v sl mica, tt-tr incl POR, n-v rr mnrl FLOR, NSOC	
5420-5430	90% LS	AA, fxl-gran ip, incr sdy, incr DOL ip	
	10% SH	AA	
5430-5440	70% LS	AA	
	15% SH	lt-mgy, occ dkgy-gybrn, sbplty-splty, frm, slty ip, arg, wxy ip, sl-v calc, occ sl carb-sooty	
	15% SLTST	gy-gybrn, frm, calc-lmy, occ grdg to slty LS ip, shy ip	
5440-5450	40% LS	AA, incr arg-shy ip	
	40% SH	lt-dkgybrn-gy, sbblky-splty, frm, slty ip, calc-lmy, dol ip	
	20% SLTST	lt-dkgybrn, AA, lmy-dol ip	
5450-5460	50% SH	AA, dol ip	
	30% LS	AA	
	20% SLTST	AA	
5460-5470	40% LS	AA, crm-ltbrn-lt-mgybrn, mot ip, crpxl-micxl, frm-mhd, dns, chk, tt, NFSOC	
	35% SLTST	gy-m-dkgybrn, frm-mhd, occ fri, shy ip, occ grdg to slty SH, lmy-dol ip, sl carb	
	25% SH	AA, carb-sooty ip	
5470-5480	50% LS	wh-tan-brn, crpxl-micxl, frm-mhd, cln-dns, occ chk, sl-v arg ip, sl dol ip, tt, NFOSC	
	35% SLTST	AA, fri, grdg to gran DOL ip	
	15% SH	AA	
5480-5490	80% LS	wh-tan-occ gybrn, micxl-crpxl, sft-mhd, dns-chk, incr cln, tt, NFSOC	
	20% SH	AA	
5490-5500	80% LS	AA, incr tan, crpxl, dns, w/occ clr CHT incl	
	20% SH	AA	

5500-5510	80%	LS	AA
	10%	SH	AA
	10%	CHT	brn, gy, trnsl, clr
5510-5520	90%	LS	AA, incr crm-tan, micxl-micsuc, chk
	10%	CHT	AA
5520-5530	100%	LS	ltbrn-tan, occ crm, crpxl-vfxl, micsuc-suc ip, frm-hd, cln-rthy ip, occ clr CALC xl incl, tt-fr intxl-rr vug POR, fr-g bri yel FLOR, tr ltbrn-blk o STN, tr slow stmg mlky CUT w/acid
5530-5540	90%	LS	incr brn, dkbrn mot, AA, incr clr xl CALC incl, incr micsuc-suc, pel ip, tr gy-dkbrn slty incl, POR-FLOR-STN-CUT AA
	10%	SH	gy, sbplty, frm, slty, tr pry
5540-5550	70%	LS	AA, w/fos mot, rthy, v rr intxl POR, occ spty FLOR, n vis STN, tr yel-blu mlky CUT
	20%	SH	lt-dkgy, dkgybrn, sbplty-splty, frm, slty ip, calc-dol, carb ip, sl sooty
	10%	CHT	clr, trnsl
5550-5560	50%	LS	AA, incr brn, slty, tt, NFSOC
	40%	SH	AA, incr dkgybrn, slty, lmy-dol ip, carb-sooty ip, org
	10%	CHT	AA, incr brn-gy, trnsl
5560-5570	60%	SH	dkgybrn-blk, sbplty, sft-frm, carb-sooty, dol ip, lmy, org
	30%	LS	AA
	10%	CHT	AA
5570-5580	INCR	ORNG SH CVGS	
	60%	SH	AA, incr blk, org, carb-sooty, slty
	30%	LS	AA
	10%	CHT	AA
	TR	ANHY	wh, amor, sft, w/pk chem mud STN
5580-5590	50%	LS	tan-brn, m-dkgybrn, mot ip, micxl, occ micsuc, frm-mhd, occ chk, dns, incr arg, tt, NFSOC
	30%	SH	AA, org
	10%	CHT	AA
	10%	ANHY	clr-wh, amor-xl, sft-mfrm
5590-5600	60%	LS	wh-crm-brn, dkbrn-gybrn, crpxl-micxl, micsuc-gran ip, frm-mhd, cln-sl rthy, dol ip, anhy-tr ANHY incl, v sl slty, occ chty, v rr Crin-mic fos, tt-v rr intxl POR, n-v rr spty mnrl FLOR, NSOC
	20%	DOL	brn-gybrn, micxl-micsuc, frm, mhd ip, rthy-arg, v sl slty, v sl anhy, lmy ip, tt-tr intxl POR, n-v rr dull yel FLOR, NSOC
	10%	SH	dkgy-blk, sbblky-plty, sft-frm, occ brit, calc-dol, carb, sooty, rthy, v sl slty, mica ip
	5%	ANHY	wh, amor-xl, sft-mfrm
	5%	CHT	trnsl-bf, clr, smky brn
5600-5610	65%	LS	pred crm-wh, AA, chty, anhy-Anhy incl, tt, v rr mnrl FLOR, NSOC
	20%	DOL	AA, v rr intxl POR, n-v rr spty dull yel FLOR, n vis STN, n-v rr resid ring CUT
	10%	SH	AA
	5%	CHT	AA

5610-5620	60%	LS	AA, NFSOC
	20%	DOL	AA, v rr FLOR, n vis STN, n-v p resid ring CUT
	20%	SH	blk-dkgy, AA
	TR	CHT	smky gybrn-brn
	TR	ANHY	AA
5620-5630	50%	SH	blk, occ dkgy-dkgybrn, sbblky-pltly, sft-brit, calc-dol, carb, sooty, rthy, v sl slty, occ mica
	40%	LS	AA, NFSOC
	10%	DOL	AA, NFSOC
	TR	CHT	AA
5630-5640	55%	LS	crm-tan, ltgy-ltgybrn, occ brn, crpxl-vfxl, sft-mhd, cln-v slty, sdy ip, arg, v sl dol, occ anhy, tt-fr intxl POR, NFSOC
	30%	SH	AA
	10%	DOL	brn-gybrn, micxl, frm, rthy, sl lmy, anhy, slty, tt-tr intxl POR, n-v rr mnrl FLOR, NSOC
	5%	ANHY	wh, amor, sft
5640-5650	40%	DOL	AA, NFSOC
	30%	LS	AA, NFSOC
	15%	SH	AA
	15%	ANHY	wh, amor, occ xl, sft-mfrm
5650-5660	30%	DOL	AA
	30%	LS	AA
	25%	ANHY	AA
	15%	SH	AA
5660-5665	60%	DOL	gybrn-brn, ltgy, micxl-micsuc, frm-mhd, cln-rthy, sl slty, arg, anhy ip, v sl calc, v rr mic fos, tt-tr intxl-rr pp vug POR, tr spty dull-bri yel FLOR, n-v rr vis STN, tr of g fast stmg mlky CUT
	20%	LS	crm-tan, crpxl-micxl, frm-mhd, cln, rthy-chk ip, sl anhy, occ dol, dns, tt, NFSOC
	10%	ANHY	AA
	10%	SH	blk-dkgy, sbpltly-sbblky, sft-brit, calc-dol, sl carb, sooty ip
5565-5785	SEE CORE #1-CORE #2 DESCRIPTIONS FOR DETAILS		
5785-5790	ABNT CVGS AFTER TRIP V P SPL		
	40%	SH	blk, sbblky-pltly, sft-brit, calc-dol, rthy-v sl sltyl, mica ip, carb-sooty
	20%	DOL	pred cvgs, dkgybrn-brn, micxl-micsuc, frm, rthy, v sl slty, calc ip, tt-fr intxl POR, tr bri yel FLOR, n-tr STN, tr mod fast CUT
	20%	LS	pred cvgs, gy-tan, crpxl-micxl, occ micsuc, frm-mhd, anhy, cln-chk, v sl rthy, v rr mic fos, tt-rr intxl POR, n-v rr bri yel FLOR, n-rr STN, n-rr mod fast stmg mlky CUT
	20%	ANHY	pred cvgs, wh-trnsl, amor-xl, sft-mfrm
5790-5800	50%	SH	AA, occ dkbrn
	20%	LS	AA, pred cvgs, tt, NFSOC
	20%	DOL	AA, tr intxl POR, tr spty dull-bri yel FLOR, v rr brn STN, tr slow-mod fast stmg CUT
	10%	ANHY	AA

5800-5810 60% DOL ltgybrn-brn, dkbrn-dkgybrn, micxl-micsuc, frm-mhd, rthy, slty, sl calc, anhy ip, sl shy, tt-tr intxl POR, rr spty dull yel FLOR, v rr brn STN, v rr v slow stmg mlky CUT

 15% LS tan-brn, ltgy, crpxl, occ micxl, frm-mhd, cln-rthy, v sl anhy, v sl dol ip, dns, tt, NFSOC

 15% SH dkgy-blk, occ dkgybrn, sbblky-plty, sft-brit, calc-dol, rthy, v sl mica, occ slty, carb-sooty

 10% ANHY wh, amor, v rr xl, sft, mfrm ip

5810-5820 ABNT VARI COL SH CVGS FR SPL

 65% DOL AA, occ dkbrn, crpxl, dns, tt, some tr-fr intxl POR, tr dull-bri yel FLOR, rr brn STN, rr mod fast stmg mlky CUT

 15% ANHY AA

 15% SH AA

 10% LS AA

5820-5826 TR VARI COL SH CVGS FR SPL

 55% DOL AA, occ m-dkbrn, crpxl, v anhy ip, tt-rr intxl POR, v rr spty dull yel FLOR, n-v rr STN, rr v slow-v rr mod fast stmg mlky CUT

 20% SH AA

 15% LS cvgs, AA, tt, NFSOC

 10% ANHY AA

HARKEN SOUTHWEST CROATION
ANASAZI 6H #1
SE/NE SECTION 6, T42S-R24E
SAN JUAN COUNTY, UTAH

CORE #1
DESERT CREEK
5665'-5725'
CUT-60' IN 2 1/2 HRS.
RECOVERED-60'

5665.3	DOL	dkgybrn, micxl, v rr ANHY xl, rthy-slty, v shy, tt-v rr intxl POR, n-v rr spty fnt yel FLOR, n-v rr pp blk STN, n-v rr slow-mod fast stmg mlky CUT, tr od, n-v rr oil on core
5666.3	DOL	dkbrn, micsuc-suc, rthy-slty, sl shy, fr-g intxl-pp vug POR, fr dull yel FLOR, g brn STN, g fast stmg mlky CUT, tr-fr od, tr oil on core
5667.7	DOL	gy-ltbrn, crpxl, micxl ip, cln-v sl slty, tt-v rr intxl POR, n-v rr spty dull yel FLOR, n-v rr spty ltbrn STN, tr slow stmg mlky CUT, n-v fnt od, n vis oil on core
5669.0	DOL	AA, styl, tt, n-v rr intxl POR, FLOR-STN-CUT AA, n-v fnt od, n-v rr oil on core
5670.2	DOL	ltbrn, crpxl-micxl, v rr spty micsuc-suc, sl alg, v rr Crin fos, rr ANHY nod, tt-tr intxl POR, tr-fr dull yel FLOR, rr spty brn STN, g slow-mod fast stmg mlky CUT, fnt od, v rr oil on core
5671.2	DOL	brn, crpxl-micsuc, sl mot, alg, tr Crin fos, tr carb SH incl, tt-fr intxl-v rr pp vug POR, fr dull yel FLOR, tr ltbrn STN, g slow-mod fast stmg mlky CUT, fr-g od, tr oil on core
5673.1	DOL	AA, rr Crin fos, rr-tr intxl-v rr pp vug POR, g dull yel FLOR, rr-tr ltbrn STN, g slow stmg mlky CUT, g od, rr oil on core
5675.1	DOL	gy, crpxl, dns, tr blk carb SH incl, tt, NFSOC, n od
5676.3	DOL	gy, crpxl, dns, tt, NFOC, n od
5678.5	DOL	dkbrn, micxl-micsuc, rthy, sl slty, arg ip, v rr ANHY xl, g intxl POR, g bri yel FLOR, v g brn STN, g fast stmg mlky CUT, good
5681.1	DOL	brn-ltbrn, crpxl-micxl, cln-rthy, sl shy, occ slty, sl mot appr, v rr Crin fos, tt-v rr intxl POR, n-rr fnt dull yel FLOR, n-v rr v p STN, n-v rr v p v slow mlky CUT, n od
5684.5	DOL	brn, micxl-misuc, occ suc, rthy, sl slty, mot appr, alg, v rr Briz, occ ANHY xl, fr-g intxl-tr pp vug POR, fr-g dull yel FLOR, g brn STN, g mod fast stmg CUT, fnt od
5686.0	DOL	AA, AA, g dull yel FLOR, STN-CUT AA, fr od
5687.5	DOL	ltbrn, micsuc-suc, alg, w/abnt ANHY nod-alg fl POR, fr-g intxl POR, fr dull yel FLOR, g brn STN, g mod fast CUT, fnt od
5690.1	DOL	brn, micsuc-suc, rthy, sl slty, rr ANHY xl, g intxl-v rr pp vug POR, g bri yel FLOR, g brn STN, g fast stmg mlky CUT, g od

5692.5 DOL ltbrn, crpxl-suc, cln-v shy ip, mot appr, rr ANHY xl, tr-g intxl-pp vug POR, g bri yel FLOR, g brn-blk(bitchum) STN, g fast stmg mlky CUT, g od

5693.5 LS gy, crpxl, dns, tt, styl, NFSOC, n od

5696.1 DOL tan, micxl, lmy, arg, tr ANHY xl-CHT nod, tt-v rr v spty pp vug POR, n-v rr v spty dull yel FLOR, v rr v spty dkbrn STN, n-v rr p resid ring CUT, n od

5697.6 DOL tan, crpxl-micxl, lmy ip, arg, v rr ANHY xl, tt-v rr intxl POR, n-v p v spty dull yel FLOR, n-vis STN o CUT, n od

5698.7 DOL AA, v rr mic fos, tt-v rr intxl POR, NFSOC

5701.0 DOL ltgybrn, crpxl,dns, rthy, tt-v rr intxl-frac POR, tr-fr dull-bir yel FLOR, n vis STN, tr slow stmg mlky CUT, n od

5703.5 DOL gy-brn, crpxl mtx, micsuc-suc, alg, tr ANHY nod, g intxl-pp vug POR, g bri yel FLOR, fr spty brn STN, g mod fast stmg mlky CUT, tr od

5706.0 DOL AA, incr micsuc-suc, g intxl-pp vug POR, g bri yel FLOR, g brn STN, g fast stmg CUT, g od

5708.1 DOL AA, v micsuc-suc, incr alg, decr crpxl mtx, carb SH (mud) incl, g intxl-vug POR, fr-g bri yel FLOR, g brn-v rr blk (bitchum) STN, g mod fast stmg CUT, fnt od

5709.5 LS tan-gybrn, crpxl mtx, occ micsuc, v alg, tr carb mud incl, tr ANHY xl, tr intxl-pp vug POR, g bri yel FLOR, fr-tr ltbrn STN, fr slow-mod fast stmg mlky CUT, fnt od

5711.5 LS tan, w/gy crpxl mtx, v alg, g intxl-vug POR, fr dull-bri yel FLOR, tr brn STN, g mod fast stmg mlky CUT, fnt oc

5713.0 LS gy, crpxl-vrr micxl, abnt Crin fos, tr styl, tt-v rr intxl POR, n-v rr spty bri yel FLOR, n vis STN, n-v p resid ring CUT, n od

5714.0 DOL brn, micsuc-suc, alg, g intxl-vug POR, g bri yel FLOR, g brn STN, g fast stmg mlky CUT, g od

5717.0 DOL gy, crpxl mtx, v alg, micsuc-suc stks, sl fos, g alg POR, g bri yel FLOR, g brn-blk (bitchum) STN, g fast CUT, g od

5719.2 LS gy, crpxl, dns, anhy xl, tt, NFSOC, n od

5720.0 LS gy, crpxl mtx, sl alg, abnt styl-blk carb mud incl, Crin-mic fos, sl alg, tt-v rr intxl-alg POR, tr-fr dull yel FLOR, n-tr brn STN, fr slow-mod fast stmg mlky CUT, fnt od

5721.9 LS gy, crpxl mtx, tan Crin fos, sl alg-alg, tr blk carb mud incl, abnt ANHY fl alg POR, tr-rr alg-intxl POR, tr spty dull yel FLOR, tr-rr brn STN, tr-fr slow stmg mlky CUT, n-fnt od

5723.0 LS gy, alg, crpxl mtx, abnt blk carb mud-occ SH incl, tr alg-frac POR, tr spty bri yel FLOR, rr ANHY mnrl , occ blk-brn STN, g fast stmg mlky CUT, fr od

5724.5 LS gy, crpxl mtx, micsuc-suc stks, alg, rr ANHY xl, tr carb mud stks, occ ARAGONITE xl in vug, g intxl-alg POR, g bri yel FLOR, tr-fr brn-blk STN, g fast stmg CUT, g od

HARKEN SOUTHWEST CROATION
 ANASAZI 6H #1
 SE/NE SECTION 6, T42S-R24E
 SAN JUAN COUNTY, UTAH

CORE #2
 DESERT CREEK
 5725'-5785'
 CUT-60' IN 2 HRS.
 RECOVERED-60'

5725.5	LS	gy, crpxl mtx w/Crin fos, alg, rr ANHY incl-xl in vugs, g alg-tr intxl POR, g bri yel FLOR, g brn-blk (bitchum) STN, g fast stmg mlky CUT, g od
5726.5	LS	AA, v rr Brac fos, FLOR-STN-CUT AA, g od
5728.0	LS	gy, crpxl mtx, sl alg, abnt Crin fos, tr intxl-vug-alg POR, g bri yel FLOR, tr ltbrn-blk STN, g fast stmg mlky CUT, tr od
5730.3	LS	gy, pred crpxl, rr micsuc-suc, abnt Crin fos, v anhy-tr ANHY incl, tt-rr intxl-v rr pp vug POR, rr spty dull yel FLOR, v rr brn-blk STN, n-v rr fr stmg mlky CUT, n-v fnt od
5731.0	LS	AA, pred crpxl-tt, v rr alg-vug POR, tr bri yel FLOR, rr-tr blk STN, n-v rr fr slow stmg mlky CUT
5733.0	LS	AA, alg, styl, w/tan micsuc DOL incl w/tr intxl-pp vug POR, fr-g bri yel FLOR, tr-fr brn STN, fr slow-mod fast stmg mlky CUT, v fnt od, in DOL
5734.2	DOL	ltbrn, micxl-suc, rthy, sl slty, v rr carb mud stks, fr-g intxl-pp vug POR, g bri yel FLOR, g brn-tr blk STN, g fast stmg mlky CUT, fr od
5736.7	DOL	AA, tr ANHY incl, FLOR-STN-CUT-OD AA
5739.5	DOL	ltgybrn, micxl, rthy, sl slty, shy ip, tr Brac fos, tr intxl POR, NFSOC
5741.8	LS	dkgybrn, crpxl-micxl, tr Crin fos, rthy, shy, tt, tr SH ptgs, NFSOC
5742.5	LS	mggybrn, crpxl, dns, shy, rthy, v rr Crin fos, 1" dkgy CHT lens w/Crin fos, tt, NFSOC
5745.4	LS	AA, abnt Crin fos, tr ANHY xl, v shy, tt, NFSOC
5747.5	LS	AA, vshy, sl dol, tt, NFSOC
5750.0	LS	AA, grdg to lmy SH, tt, NFSOC
5752.0	DOL	ltgy, micxl, sl micsuc, rthy, sl slty, arg, v rr ANHY xl, tt-rr intxl POR, dull orng mnrl FLOR, NSOC
5753.5	DOL	ltgy-tan, crpxl, occ micxl, cln, sl arg, v rr carb mud ptgs, tt-v rr frac-intxl POR, n-v rr v spty bri yel FLOR, n vis STN, n-v rr slow-mod fast stmg CUT, n od
5754.5	DOL	ltgybrn, crpxl, v rr micxl-micsuc, tr ANHY nod-xl, tr Brac fos, tt-rr intxl-frac-pp vug POR, tr spty bri yel FLOR, n-rr brn STN, tr slow-fast stmg mlky CUT, n-tr od

5755.8 DOL brn, micsuc-suc, sl alg, tr ANHY nod, rthy, slty, g intxl-pp vug POR, g bri yel FLOR, fr-g brn STN, g fast stmg mlky CUT, g od

5757.7 DOL AA, occ crpxl mtX, alg, g intxl-pp vug POR, occ alg POR, FLOR-STN-CUT AA, g od

5758.6 LS tan-gy, mot, crpxl-micxl, occ micsuc, abnt styl, alg, tt-fr intxl-rr pp vug POR, tr-fr spty bri yel FLOR, tr spty brn STN, tr of fr mod fast stmg mlky CUT, fr od

5760.9 LS mot, gy-tan, crpxl, micxl ip, v fos, anhy-tr ANHY xl, tr mic-Brac fos, tt, NFSOC

5761.8 LS AA, alg, ANHY fl POR, abnt Brac fos, tt, NFSOC

5764.2 LS gy, occ tan, crpxl-micxl, dns, sl alg, ANHY, styl, tt, NFSOC

5765.5 DOL ltbrn, micxl, sl micsuc-suc, rthy, sl slty, arg, v rr ANHY xl-incl, tt-tr intxl POR, NFSOC

5767.7 DOL gy, crpxl, dns, rr mic fos, tt, NFSOC

5768.9 DOL brn, micxl-micsuc, rthy, slty, sl arg, styl, n-v rr intxl POR, n-v fnt spty dull yel FLOR, n-v rr spty brn STN, n-v rr resid ring CUT, n od

5769.8 DOL brn, micxl-micsuc, rthy, slty, sl shy, tr ANHY xl, tt-rr intxl POR, NFSOC

5771.9 DOL mgy, crpxl, dns, rthy, shy, tt, NFSOC

5773.2 DOL AA

5774.3 DOL AA

5775.7 DOL AA

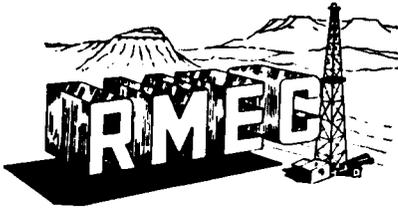
5778.5 DOL m-dkgy, AA

5780.8 DOL dkgy, crpxl-micxl, rthy, slty, v shy, grdg to dol SH, tt, NFSOC

5781.9 SH blk-dkgy, mas, carb, dol, sl calc, sl slty, sooty, v sl calc

5783.1 SH blk, mas, dol-calc, carb, sooty, sl mica

5785.0 SH AA



ROCKY MOUNTAIN GEO-ENGINEERING CO.

WELL SITE GEOLOGY — MUD LOGGING

2450 INDUSTRIAL BLVD.

PHONE (303) 243-3044

GRAND JUNCTION, CO 81505

COMPANY HARKEN SOUTHWEST CORPORATION

WELL NO. ANASAZI 6H #1

LOCATION SEC. 6, T42S, R24E

ZONE OF INTEREST NO. 1

INTERVAL: From 5524 To 5531

DRILL RATE: Abv 3m/ft Thru 1m/ft (2'hard strk 25-27') Below 5m/ft

MUD GAS-CHROMATOGRAPH DATA

	TOTAL	C ₁	C ₂	C ₃	C ₄	C ₅	OTHER
Before	2m						
During	265m	21,600	13,680	9,600	3,460		
After	10m	1,300	760	360	320		

Type gas increase: Gradual Sharp

Gas variation within zone: Steady Erratic Increasing Decreasing

CARBIDE HOLE RATIO: $\frac{\text{GRAMS}}{\text{READING}}$ X Min. in Peak = _____ Sensitivity: Poor Fair Good

FLUO: Mineral Even Spotty
 None % in total sample 50
 Poor
 Fair % in show lithology 50
 Good COLOR: Bri Yel-Gn

CUT: None Streaming
 Poor Slow
 Fair Mod
 Good Fast
 COLOR: Pale blue white

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

POROSITY: Poor Fair Good Kind INTXL & SUC, POSS JUG

LITHOLOGY 100% LS LTBRN-TN-CRM, OCCCLRXLNLCALCINCL & STRK, CRPXL DNS-MICXL/VFXL SUC STK, FRM-

BRIT, OCC SLCHTY SAMPLE QUALITY GOOD

NOTIFIED MF WATSON @TIME DRILLED _____ HRS. DATE: 5/29/95

REMARKS HARD STK IN ZONE. CUT GREATLY ENHANCED WHEN ACIDIZED TR LIGHT OIL ON PIT

ZONE DESCRIBED BY C. WALLACE

GEOLOGICAL SUMMARY

AND

ZONES OF INTEREST

The Harken Southwest Corp. Anasazi 6H #1 well located in Section 6, T42S, R24E in San Juan County, Utah was spudded in the Morrison Formation on May 19, 1995. A string of 8 5/8" casing was set at 511' on May 20, 1995. Drilling of a 7 7/8" hole was begun on May 21, 1995. Drilling continued with halts for a bit trips at 4315', a hole in the drill collars at 4665' to fish for drill collars, and at 5185' for a hole in the drill pipe. On May 30, 1995, drilling was halted in the Desert Creek at a depth of 5665' and samples were circulated out prior changing out the mud system for coring. Core #1 was cut from 5665' to on May 31, with Core #2 cut on May 31, 1995. Drilling was resumed on June 1, 1995. Drilling was halted on June 1, 1995, at 5826' (drillers depth) in the Akah member of the upper Paradox Formation, where sample were circulated prior to running electric logs. Geological coverage was begun on May 28, 1995, at 5000' in the lower Hermosa. All tops used in this report are electric log tops with the exception of the Chimney Rock Shale and Akah tops which are sample tops, due to hole problems the "E" logs were unable to reach total due to the amount of fill at the bottom of the hole.

HERMOSA 4037'-4611' (+1966')

The Hermosa or Honaker Trail is the upper member of the Hermosa group and is of upper Pennsylvanian age. The Hermosa is predominately a cream to white to tan to light gray, occasionally tan to gray brown, cryptocrystalline to microcrystalline, cherty, chalky, fossiliferous limestone. Interbedded in the Hermosa were light gray, occasionally gray green, varicolored, non to slightly calcareous, occasionally silty shales in the upper one half to one third of the Hermosa; orange to red orange to red brown, light gray to light gray brown, non to slightly calcareous, sandy siltstones, and scattered thin very fine to fine grained, very limy sandstones. The shales and siltstones became medium to dark gray, and graybrown and increasingly calcareous and carbonaceous in the lower one half to one third of the Hermosa. Very thin scattered anhydrites, cherts and very rare dolomites were also noted while drilling the Hermosa.

The Hermosa overlies the Ismay with gradational contact between the carbonaceous shale at the base of the Hermosa and the tight slightly shaley limestone at the top of the Ismay. The Hermosa was 574' thick and is of no economic interest in this well.

ISMAY 5462-5567' (-577')

The upper Ismay member of the Paradox Formation was a white to cream to tan, tight, dense, occasionally slightly anhydritic limestone, with a thin interbedded medium to dark gray, gray brown, microcrystalline, shaley dolomite at the base. Scattered clear to translucent to buff cherts and very thin black carbonaceous shales were noted in the limestones. Show #1 was noted from 5424' to 5431', in a tan to white, brown, dense to microsucrosic, very slightly vuggular limestone, and had an associated gas increase of 265 units from a back ground of 2 units, with C₁ through C₄ noted on the chromatograph. For more details see show report #1 included with this report. The limestone and dolomite at the base of the Ismay became increasingly shaley with depth, and graded into the Hovenweep Shale.

The Ismay was 105' thick and is of no economic interest in this well.

HOVENWEEP SHALE 5567'-5584' (-682')

The Hovenweep shale underlies the Upper Ismay with a gradational contact between the shaley limestone and dolomite at the base of the Upper Ismay and the limy to dolomitic shales of the Hovenweep. The shales were medium to dark gray to black, dolomitic, slightly limy to limy, silty, carbonaceous, sooty, slightly micaceous.

The Hovenweep Shale was 17' thick in this well and is of no economic interest.

LOWER ISMAY 5584'-5615' (-699')

The lower Ismay was predominately a white to cream, tan, occasionally light gray to brown, cryptocrystalline to microcrystalline, clean to slightly anhydritic, very slightly fossiliferous limestone, with very thin cherts and streaks of microsugrosic porosity. Interbedded in the limestones were light brown, microcrystalline to very finely crystalline, some microsugrosic, dolomites and very thin black carbonaceous, slightly calcareous to dolomitic shales. From 5597' to 5601' was a 4' thick amorphous to crystalline anhydrite. The lower Ismay had no drilling breaks and no significant gas increases. The base of the lower Ismay became increasingly shaley and dolomitic, and graded into the thin Gothic Shale.

The lower Ismay was 31' thick and is on economic interest in this well.

GOTHIC SHALE 5615'-5633' (-730')

The Gothic Shale, like the Hovenweep Shale is a very dolomitic, carbonaceous, sooty shale or more properly a sapropelic dolomite. The Gothic lays gradationally under the lower Ismay, and had an associated gas increase of 30 units from a background of 8 units. The Gothic was 18' thick in this well and is of no economic interest.

DESERT CREEK 5633'-5781' (-748')

The Desert Creek was 148' thick and underlay the lower Ismay with a sharp contact between the carbonaceous Gothic shale at the base of the lower Ismay and the tight, very silty to slightly sandy limestone at the top of the Desert Creek. The Desert Creek from 5640' to 5663' was a 23' thick translucent anhydrite, with very rare, very thin carbonaceous shale and gray brown dense dolomite streaks. The top of the Desert Creek porosity zone was from 5663' at the base of the massive anhydrite, and was picked in a earthy brown, microsugrosic, slightly vuggular dolomite, with fair to good fluorescence, stain and cut. Core #1 was cut from 5665' to 5725' through the upper to middle of the Desert Creek porosity zone. From 5665' to 5674' was a dark brown to gray, cryptocrystalline to microsugrosic, occasionally sugrosic, occasionally algal dolomite, with no to fair intercrystalline to pin point vuggular porosity, and poor to fair fluorescence, stain and cut. The dolomite from 5674' to 5677' was gray, dense and tight. From 5677' to 5681' the dolomites were dark brown, microsugrosic to cryptocrystalline with depth, and had good intercrystalline porosity. There was a brown algal dolomite mound from 5681' to 5693' which had good fluorescence, stain and cut. A 3' streak of tight gray limestone was cut from 5693' to 5696'. From 5696' to 5702' a tan, earthy, argillaceous, dolomite was cut and had poor fluorescence, stain and cut noted. A very tight 1' thick, gray brown dolomite was cut from 5702' to 5703'. A second algal dolomite was cored from 5703' to 5709'. From 5709' to 5713' a tan to gray brown algal limestone was cut which had, overall, a fair fluorescence, stain and cut, and became tight with depth. An algal dolomite (possibly dolomatized limestone) was cut from 5714' to 5719'. The dolomite showed good algal porosity and a good sample show. From 5719' to 5720' was a tight cryptocrystalline limestone, above an algal limestone from 5720' at the base of Core #1 to 5733' in the top of Core #2. The limestone had good algal to intercrystalline porosity, with Crinoid to Brachiopod fossils, and a good sample show, which became tighter at the

base and graded to a microsugrosic dolomite. Core #2 was from 5725' to 5785'. An eight foot thick microsugrosic grading to microcrystalline dolomite was cut from 5733' to 5741', with a fair to good sample show and became predominately tight in the last three feet from 5738' to 5741'. A tight crinoidal limestone was cut from 5741' to 5751'. A seven foot thick microsugrosic to algal dolomite was cut from 5751' to 5758', which had a poor to good sample show in the bottom 3'. From 5758' to 5765' was algal to tight limestone which had very poor sample show in the top 1 foot and became cryptocrystalline, very anhydritic, very slightly fossiliferous and very tight at the base. The lower 15', from 5765' to 5781', of Core #2 was microsugrosic to cryptocrystalline dolomite that graded to a very shaley dolomite. The basal 4 feet of Core #2, from 5781' to 5785' was the very dolomitic shale of the Chimney Rock shale. The limestone and dolomite porosities had neutron density porosity values ranging from 5% to 23%. The RFT tool run over the Desert Creek showed predominately good permeability in the algal limestone and the algal to sugrosic dolomite from 5665' to 5759'. The lower algal limestone showed very poor permeability.

The Desert Creek graded in to the Chimney Rock shale above the Akah. The Desert Creek is of major economic interest in this well.

CHIMNEY ROCK SHALE 5781'-5794' (-896')

The Chimney Rock Shale like the Hovenweep and Gothic Shales is a very dolomitic, carbonaceous, dark gray to black, sooty shale or more properly a sapropelic dolomite. The Chimney Rock gradationally underlies basal shaley dolomites of the Desert Creek, and had an associated gas increase of 25 units from a background of 9 units. The Chimney Rock was 13' thick in this well with upper 4' cut in Core #2, and is of no economic interest. Please note that due to the amount of fill encountered while running logs, the Chimney Rock top and thickness were based on the sample top in Core #2 and the Akah top picked from the drill time and samples.

AKAH 5794'-?' (-909')

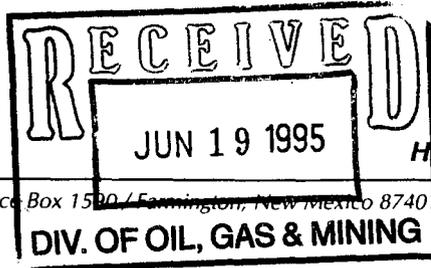
The Akah underlies the Chimney Rock shale at the base of the Desert Creek with a sharp contact between the overlaying shale and the underlying tight limestones and dolomites at the top of the Akah. The limestones were very thin at the top and were white to cream to tan, cryptocrystalline to microcrystalline, some microsugrosic, tight to very rare intercrystalline, anhydritic and silty. The Akah was predominate dolomite which were light gray to graybrown, some brown to dark brown, cryptocrystalline to microcrystalline, with occasional very finely crystalline to microsugrosic, slightly microfossiliferous and banded with streaks of dark gray to black carbonaceous shale. The dolomite had streaks with traces of intercrystalline porosity and dull mineral to very rare streaks of dull to bright yellow fluorescence, no visible stains and very poor cuts. There were interbedded dense, occasionally banded anhydrites with a bed of anhydrite at the base of the Akah. This basal anhydrite overlaid the upper lens of the Paradox salt. From 5812' to 5818' the Akah had thin streaks of porosity in the dolomite.

The Akah was of indeterminate thickness in this well as the drilling was halted in the very top of the basal anhydrite, which overlays the Paradox Salt. In the offsetting wells the Akah had an average thickness of 35' and was of no economic interest in this well.

The Harken S.W. Corporation's Anasazi 6H #1 well was drilled to a total depth of 5826'-drillers depth (loggers depth: 5418') 30' in to the Akah member of the upper Paradox Formation on June 1, 1995. Electric logs were run on the 1st thru the 4th of June, 1995 due to hole problems and the Dual Lateral and Bore Hole Compensated Sonic combination log becoming stuck in the hole. Production casing was run and cemented on June 5, 1995. At the time of this report the completion procedures have begun.



HALLIBURTON



HALLIBURTON ENERGY SERVICES

3110 East Bloomfield Highway / Post Office Box 1590 / Farmington, New Mexico 87401 / Tel: 505-327-4751 / Fax: 505-326-7510

We have been asked to convey that this information contained on these logs be held confidential for the maximum period possible.

CONFIDENTIALITY NOTICE

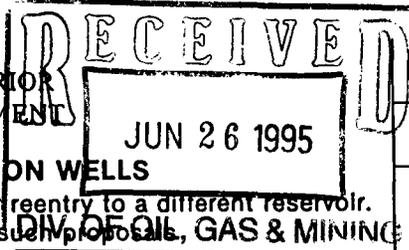
These logs contain information that is confidential or privileged, or both. This information is intended only for the use of the individual or entity named on this distribution list. Any disclosure, copying, distribution or use of this information by any person other than the intended recipient is prohibited. If you receive these logs in error, please contact us by telephone immediately so that we can arrange for return of such logs.

Your cooperation is greatly appreciated.

CONFIDENTIAL

AJASAZI 6H-1
43 037 3174X
425 24E 6
HARLEN SW CORP

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 to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.

5. Lease Designation and Serial No.
NOG 8707-1163

6. If Indian, Allottee or Tribe Name
Navajo

7. If Unit or CA, Agreement Designation
N/A

8. Well Name and No.
Anasazi 6H #1

9. API Well No.
43-037-31744

10. Field and Pool, or Exploratory Area
Anasazi (Paradox)

11. County or Parish, State
San Juan, Utah

SUBMIT IN TRIPLICATE

CONFIDENTIAL

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Harken Southwest Corporation

3. Address and Telephone No.
P. O. Box 612007, Dallas, TX 75261 (214) 753-6900

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SE/NE Sec 6-42S-24E
2150' FNL & 200' FEL

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input 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 checked="" type="checkbox"/> Other Completion
	<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.)*

Attached are two additional data sheets regarding the completion of the subject wellbore. The first page shows current well depth, hole size and casing/cementing information. The second attachment is a copy of a log with the proposed intervals to be perforated, each zone will be perfed using a 4" hollow carrier casing gun, perforated @ 4 SPF w/90° phasing, 0.45" dia. Spot heated 15% HCI NEA acid job will be performed with pump rates and pressures not to exceed 1/4 - 1/2 BPM and 1000 - 2500 psi will be performed on each zone.

Should additional information be required, contact Mr. Marshall Watson at 214/753-6900.

PLEASE CONSIDER THIS INFORMATION *CONFIDENTIAL*

CC: State of Utah
Navajo Nation
(Minerals Dept)
BIA - Gallup, NM

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

Signed

Title **Production Administrator**

Date **6/22/95**

(This space for Federal or State office use)

Approved by
Conditions of approval, if any:

Title

Date

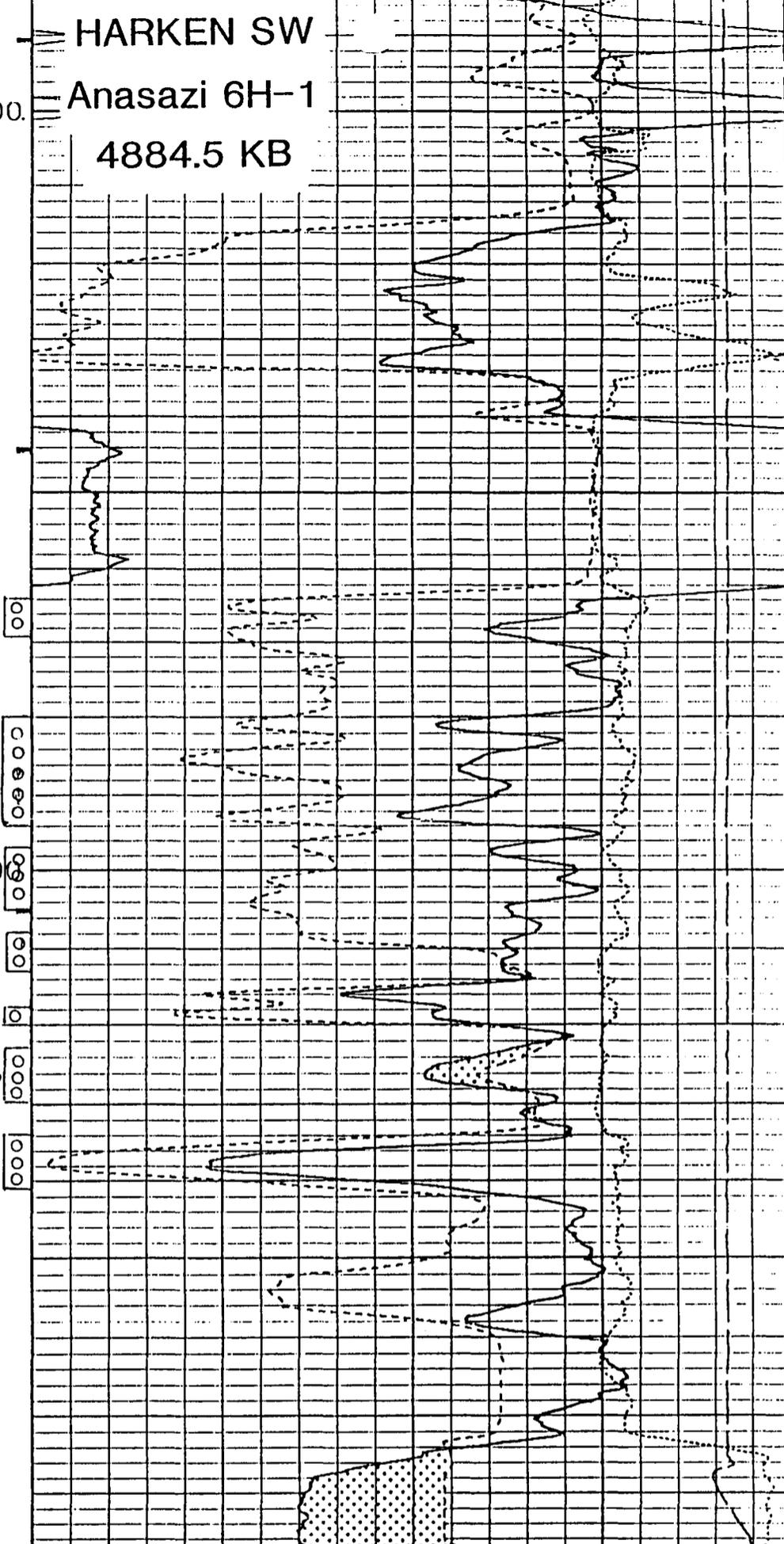
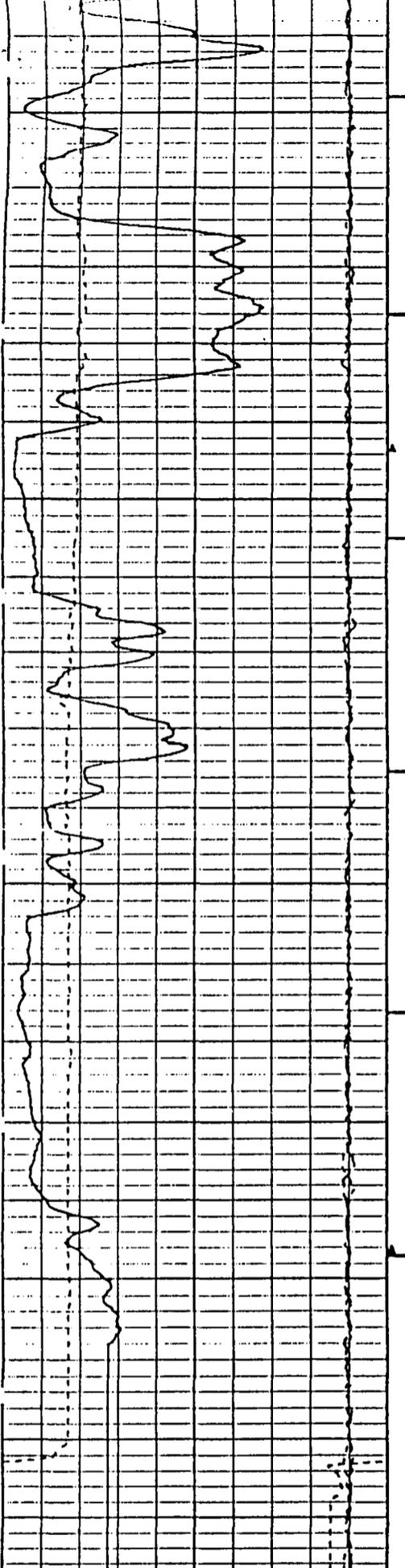
HARKEN SW

Anasazi 6H-1

4884.5 KB

5600

Proposed Perfs
1
2
3
4
5
6
7



LONG QUAL

4.5 -0.5

SHORT QUAL

-4.5 .5

CALIPER

BHV

6 INCHES 16

GAMMA RAY

AHV

0 API COUNTS 200

FT3 30

SURFACE TENS

16500 POUNDS 0

DEN CORR

-0.25 GM/CC 0.25

DEN POROSITY

PERCENT MATRIX DENSITY = 2.71 -10

NEU POROSITY

PERCENT NEUTRON MATRIX = LIME -10

Repeat Section 6/1/95

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 to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

NOG 8707-1163

6. If Indian, Allottee or Tribe Name

Navajo Nation

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

Anasazi 6H-1

9. API Well No.

43-037-31744

10. Field and Pool, or Exploratory Area

Anasazi (Paradox)

11. County or Parish, State

San Juan Co., Utah

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Harken Southwest Corporation

3. Address and Telephone No.

5605 N. MacArthur Blvd., Ste. 400, Irving, TX 75038 214/753-6900

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

**SE/NE Section 6-42S-24E
2150' FNL & 200' FEL**

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 **Gathering Line**
- 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.)

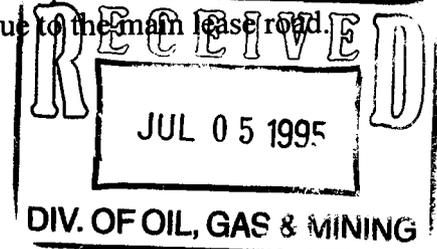
13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Attached is a copy of the Anasazi 6H-1 pipeline map.

The proposed line will be ±1125' in length running from the Anasazi 6H-1 location to the Anasazi #1 location.

The line will be 2-7/8" o.d., external tar wrap with welded connections. Estimated line and working pressure is not expected to exceed 250 psi based on equipment specifications. The line will lay on the surface extending down the edge of a ridge and continue to the main lease road.

Conditions of approval for the pipeline were attached to the APD.



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

Signed

[Signature]

Title

Production Administrator

Date

7/3/95

(This space for Federal or State office use)

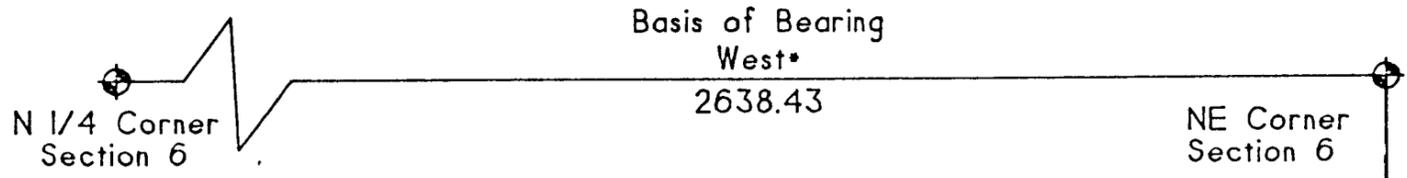
Approved by

Conditions of approval, if any:

Title

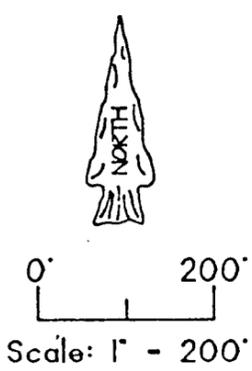
Date

CENTERLINE DESCR	POINT	BEAR
	W 1/4 CORNER SEC	N 80
	(TIE)	N 80
	0+00 = BOL AT EX	N 57
	1+27.87	N 29
	3+90.93	N 82
	8+19.31	N 83
	10+92.93 SECTION	N 83
	(TIE)	N 83
	11+24.98 = EOL	N 83
	(TIE)	N 00
	NE CORNER SECTIO	

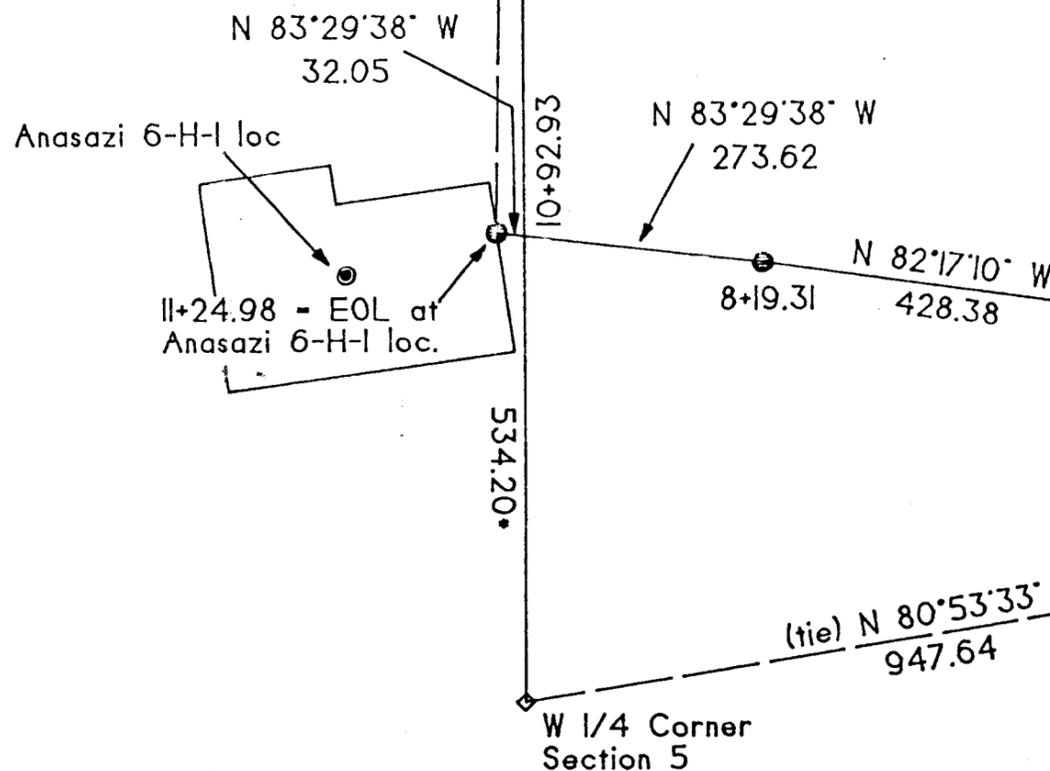


Section 6
32.05 L.F.

Section 5
1092.93 L.F.

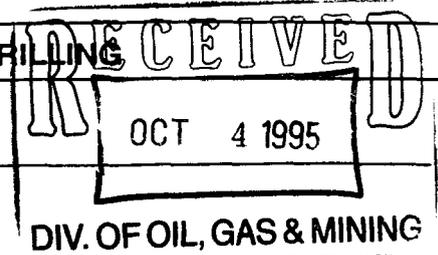


- ⊕ found brass cap
- ◇ calculated corner
- PI
- calculated from GLO plat



STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING



1. Well name and number: Anasazi 6H-1
API number: 43-037-31744

2. Well Location: QQ SE/NE Section 6 Township 42S Range 24E County San Juan

3. Well operator: Harken Southwest Corporation

Address: P.O. Box 612007
Dallas, TX 75261-2007 Phone: 214/753-6900

4. Drilling contractor: Four Corners Drilling (Rig #14)

Address: P.O. Box 1067
Farmington, NM 87449 Phone: 505/326-3370

5. Water encountered (attach additional pages as needed):

DEPTH		VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
None Reported			

6. Formation tops: _____

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

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

Date: 10/3/95

Name & Signature:

Rachelle Montgomery

Title: _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
SUBMIT IN DUPLICATE
(See other instructions on reverse side)
4 1995

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG
DIV. OF OIL GAS & MINING

7. CASE DESIGNATION AND SERIAL NO.
NOG 8707-1163
8. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo
9. UNIT AGREEMENT NAME
N/A
10. FARM OR LEASE NAME, WELL NO.
Anasazi 6H-1
11. API WELL NO.
43-037-31744
12. FIELD AND POOL, OR WILDCAT
Anasazi UNDESIGNATED (Paradox)
13. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec 6-42S-24E

1a. TYPE OF WELL: OIL WELL GAS WELL DRY
1b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEPEN PLUG BACK DIFF. RENVR. Other _____

2. NAME OF OPERATOR
Harken Southwest Corporation

3. ADDRESS AND TELEPHONE NO.
P.O. Box 612007 Dallas, Texas 75261 (214) 753-6900

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface SE/NE 2150' FNL & 200' FEL
At top prod. interval reported below
At total depth Straight Hole

14. PERMIT NO. 31744 DATE ISSUED 05/12/95

15. DATE SPUDDED 05-20-95 16. DATE T.D. REACHED 06-06-95 17. DATE COMPL. (Ready to prod.) 09-15-95 18. ELEVATIONS (DF, RKB, RT, OR, ETC.)* 4872' CL: 4885' KB 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 5826' MD 21. PLUG BACK T.D., MD & TVD 5782' FC 22. IF MULTIPLE COMPL., HOW MANY? 0 23. INTERVALS DRILLED BY ROTARY TOOLS 0-TD CABLE TOOLS N/A

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
Desert Creek 5664' - 5741'
Ismay 5526' - 31'
25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN GR/DLL/Neutron Density/Microlog/Sonic MUD LOG Acoustic/EBL 6-19-95 SELECTIVE FORMATION TESTER 27. WAS WELL CORED Yes

28. 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#, J-55	511'	12-1/4"	375 sx CL "G" to surf	0
5-1/2"	15.5#, J-55	5825'	7-7/8"	Stage 1: 290 sx "G" + additives Stage 2: 1600 CL "G" + additives FC @ 5782' / Stage collar 501.5' / Cmt to surf	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)
N/A				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)
All perforations 4 JSPF @ 90° phasing
5723-30'; 5680-94'; 5734-41'; 5718-20';
5708-13'; 5697-5705'; 5664-69'; 5526-31'

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5723-30'	350 gal 15% HCL NEA
5680-94'	30 gal 15% HCL NEA
	reacidize w/ 2000 gal heated 15% HCL

Continued on backside

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
09-16-95	Pumping	Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
09-27-95	24			31.32	25	7.5	798.2

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
	38 psig		31.32	25	7.5	

34. DISPOSITION OF GAS (Bold, used for fuel, vented, etc.)
Sold
TEST WITNESSED BY R. Cottle

35. LIST OF ATTACHMENTS
Core descriptions (Logs submitted under separate cover)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED Montgomery TITLE Production Administrator DATE 10-3-95

(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):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS	
				NAME	TOP MEAS. DEPTH TRUE VERT. DEPTH
Core #1 Desert Creek	5665'	5725'	Attached	Hermosa	4037'
Core #2 Desert Creek	5725'	5785'	Attached	Ismay	5462'
				Hovenweep Shale	5567'
				Lower Ismay	5584'
				Gothic Shale	5615'
				Desert Creek	5633'
				Chimney Rock Shale	5781'
				Akah	5794'

CONFIDENTIAL

**Acid treatment continued

Note: All volumes were w/15% HCL NEA

- 5734-41' 700 gal
- 5718-20' 400 gal
- 5708-13' 400 gal
- 5697-5705' 700 gal
- 5664-69' 500 gal
- 5526-31' 500 gal

HARKEN SOUTHWEST CROATION
ANASAZI 6H #1
SE/NE SECTION 6, T42S-R24E
SAN JUAN COUNTY, UTAH

CORE #1
DESERT CREEK
5665'-5725'
CUT-60' IN 2 1/2 HRS.
RECOVERED-60'

CONFIDENTIAL

5665.3	DOL	dkgybrn, micxl, v rr ANHY xl, rthy-slty, v shy, tt-v rr intxl POR, n-v rr spty fnt yel FLOR, n-v rr pp blk STN, n-v rr slow-mod fast stmg mlky CUT, tr od, n-v rr oil on core
5666.3	DOL	dkbrn, micsuc-suc, rthy-slty, sl shy, fr-g intxl-pp vug POR, fr dull yel FLOR, g brn STN, g fast stmg mlky CUT, tr-fr od, tr oil on core
5667.7	DOL	gy-ltbrn, crpxl, micxl ip, cln-v sl slty, tt-v rr intxl POR, n-v rr spty dull yel FLOR, n-v rr spty ltbrn STN, tr slow stmg mlky CUT, n-v fnt od, n vis oil on core
5669.0	DOL	AA, styl, tt, n-v rr intxl POR, FLOR-STN-CUT AA, n-v fnt od, n-v rr oil on core
5670.2	DOL	ltbrn, crpxl-micxl, v rr spty micsuc-suc, sl alg, v rr Crin fos, rr ANHY nod, tt-tr intxl POR, tr-fr dull yel FLOR, rr spty brn STN, g slow-mod fast stmg mlky CUT, fnt od, v rr oil on core
5671.2	DOL	brn, crpxl-micsuc, sl mot, alg, tr Crin fos, tr carb SH incl, tt-fr intxl-v rr pp vug POR, fr dull yel FLOR, tr ltbrn STN, g slow-mod fast stmg mlkky CUT, fr-g od, tr oil on core
5673.1	DOL	AA, rr Crin fos, rr-tr intxl-v rr pp vug POR, g dull yel FLOR, rr-tr ltbrn STN, g slow stmg mlky CUT, g od, rr oil on core
5675.1	DOL	gy, crpxl, dns, tr blk carb SH incl, tt, NFSOC, n od
5676.3	DOL	gy, crpxl, dns, tt, NFOC, n od
5678.5	DOL	dkbrn, micxl-micsuc, rthy, sl slty, arg ip, v rr ANHY xl, g intxl POR, g bri yel FLOR, v g brn STN, g fast stmg mlky CUT, good
5681.1	DOL	brn-ltbrn, crpxl-micxl, cln-rthy, sl shy, occ slty, sl mot appr, v rr Crin fos, tt-v rr intxl POR, n-rr fnt dull yel FLOR, n-v rr v p STN, n-v rr v p v slow mlky CUT, n od
5684.5	DOL	brn, micxl-misuc, occ suc, rthy, sl slty, mot appr, alg, v rr Briz, occ ANHY xl, fr-g intxl-tr pp vug POR, fr-g dull yel FLOR, g brn STN, g mod fast stmg CUT, fnt od
5686.0	DOL	AA, AA, g dull yel FLOR, STN-CUT AA, fr od
5687.5	DOL	ltbrn, micsuc-suc, alg, w/abnt ANHY nod-alg fl POR, fr-g intxl POR, fr dull yel FLOR, g brn STN, g mod fast CUT, fnt od
5690.1	DOL	brn, micsuc-suc, rthy, sl slty, rr ANHY xl, g intxl-v rr pp vug POR, g bri yel FLOR, g brn STN, g fast stmg mlky CUT, g od

5692.5 DOL ltbrn, crpxl-suc, cln-v shy ip, mot appr, rr ANHY xl, tr-g intxl-pp vug POR, g bri yel FLOR, g brn-blk(bitchum) STN, g fast stmg mlky CUT, g od

5693.5 LS gy, crpxl, dns, tt, styl, NFSOC, n od

5696.1 DOL tan, micxl, lmy, arg, tr ANHY xl-CHT nod, tt-v rr v spty pp vug POR, n-v rr v spty dull yel FLOR, v rr v spty dkbrn STN, n-v rr p resid ring CUT, n od

5697.6 DOL tan, crpxl-micxl, lmy ip, arg, v rr ANHY xl, tt-v rr intxl POR, n-v p v spty dull yel FLOR, n-vis STN o CUT, n od

5698.7 DOL AA, v rr mic fos, tt-v rr intxl POR, NFSOC

5701.0 DOL ltgybrn, crpxl,dns, rthy, tt-v rr intxl-frac POR, tr-fr dull-bir yel FLOR, n vis STN, tr slow stmg mlky CUT, n od

5703.5 DOL gy-brn, crpxl mtx, micsuc-suc, alg, tr ANHY nod, g intxl-pp vug POR, g bri yel FLOR, fr spty brn STN, g mod fast stmg mlky CUT, tr od

5706.0 DOL AA, incr micsuc-suc, g intxl-pp vug POR, g bri yel FLOR, g brn STN, g fast stmg CUT, g od

5708.1 DOL AA, v micsuc-suc, incr alg, decr crpxl mtx, carb SH (mud) incl, g intxl-vug POR, fr-g bri yel FLOR, g brn-v rr blk (bitchum) STN, g mod fast stmg CUT, fnt od

5709.5 LS tan-gybrn, crpxl mtx, occ micsuc, v alg, tr carb mud incl, tr ANHY xl, tr intxl-pp vug POR, g bri yel FLOR, fr-tr ltbrn STN, fr slow-mod fast stmg mlky CUT, fnt od

5711.5 LS tan, w/gy crpxl mtx, v alg, g intxl-vug POR, fr dull-bri yel FLOR, tr brn STN, g mod fast stmg mlky CUT, fnt oc

5713.0 LS gy, crpxl-vrr micxl, abnt Crin fos, tr styl, tt-v rr intxl POR, n-v rr spty bri yel FLOR, n vis STN, n-v p resid ring CUT, n od

5714.0 DOL brn, micsuc-suc, alg, g intxl-vug POR, g bri yel FLOR, g brn STN, g fast stmg mlky CUT, g od

5717.0 DOL gy, crpxl mtx, v alg, micsuc-suc stks, sl fos, g alg POR, g bri yel FLOR, g brn-blk (bitchum) STN, g fast CUT, g od

5719.2 LS gy, crpxl, dns, anhy xl, tt, NFSOC, n od

5720.0 LS gy, crpxl mtx, sl alg, abnt styl-blk carb mud incl, Crin-mic fos, sl alg, tt-v rr intxl-alg POR, tr-fr dull yel FLOR, n-tr brn STN, fr slow-mod fast stmg mlky CUT, fnt od

5721.9 LS gy, crpxl mtx, tan Crin fos, sl alg-alg, tr blk carb mud incl, abnt ANHY fl alg POR, tr-rr alg-intxl POR, tr spty dull yel FLOR, tr-rr brn STN, tr-fr slow stmg mlky CUT, n-fnt od

5723.0 LS gy, alg, crpxl mtx, abnt blk carb mud-occ SH incl, tr alg-frac POR, tr spty bri yel FLOR, rr ANHY mnrl , occ blk-brn STN, g fast stmg mlky CUT, fr od

5724.5 LS gy, crpxl mtx, micsuc-suc stks, alg, rr ANHY xl, tr carb mud stks, occ ARAGONITE xl in vug, g intxl-alg POR, g bri yel FLOR, tr-fr brn-blk STN, g fast stmg CUT, g od

CONFIDENTIAL

HARKEN SOUTHWEST CROATION
ANASAZI 6H #1
SE/NE SECTION 6, T42S-R24E
SAN JUAN COUNTY, UTAH

CORE #2
DESERT CREEK
5725'-5785'
CUT-60' IN 2 HRS.
RECOVERED-60'

CONFIDENTIAL

5725.5	LS	gy, crpxl mtx w/Crin fos, alg, rr ANHY incl-xl in vugs, g alg-tr intxl POR, g bri yel FLOR, g brn-blk (bitchum) STN, g fast stmg mlky CUT, g od
5726.5	LS	AA, v rr Brac fos, FLOR-STN-CUT AA, g od
5728.0	LS	gy, crpxl mtx, sl alg, abnt Crin fos, tr intxl-vug-alg POR, g bri yel FLOR, tr ltbrn-blk STN, g fast stmg mlky CUT, tr od
5730.3	LS	gy, pred crpxl, rr micsuc-suc, abnt Crin fos, v anhy-tr ANHY incl, tt-rr intxl-v rr pp vug POR, rr spty dull yel FLOR, v rr brn-blk STN, n-v rr fr stmg mlky CUT, n-v fnt od
5731.0	LS	AA, pred crpxl-tt, v rr alg-vug POR, tr bri yel FLOR, rr-tr blk STN, n-v rr fr slow stmg mlky CUT
5733.0	LS	AA, alg, styl, w/tan micsuc DOL incl w/tr intxl-pp vug POR, fr-g bri yel FLOR, tr-fr brn STN, fr slow-mod fast stmg mlky CUT, v fnt od, in DOL
5734.2	DOL	ltbrn, micxl-suc, rthy, sl slty, v rr carb mud stks, fr-g intxl-pp vug POR, g bri yel FLOR, g brn-tr blk STN, g fast stmg mlky CUT, fr od
5736.7	DOL	AA, tr ANHY incl, FLOR-STN-CUT-OD AA
5739.5	DOL	ltgybrn, micxl, rthy, sl slty, shy ip, tr Brac fos, tr intxl POR, NFSOC
5741.8	LS	dkgybrn, crpxl-micxl, tr Crin fos, rthy, shy, tt, tr SH ptgs, NFSOC
5742.5	LS	mgybrn, crpxl, dns, shy, rthy, v rr Crin fos, 1" dkgy CHT lens w/Crin fos, tt, NFSOC
5745.4	LS	AA, abnt Crin fos, tr ANHY xl, v shy, tt, NFSOC
5747.5	LS	AA, vshy, sl dol, tt, NFSOC
5750.0	LS	AA, grdg to lmy SH, tt, NFSOC
5752.0	DOL	ltgy, micxl, sl micsuc, rthy, sl slty, arg, v rr ANHY xl, tt-rr intxl POR, dull orng mnrl FLOR, NSOC
5753.5	DOL	ltgy-tan, crpxl, occ micxl, cln, sl arg, v rr carb mud ptgs, tt-v rr frac-intxl POR, n-v rr v spty bri yel FLOR, n vis STN, n-v rr slow-mod fast stmg CUT, n od
5754.5	DOL	ltgybrn, crpxl, v rr micxl-micsuc, tr ANHY nod-xl, tr Brac fos, tt-rr intxl-frac-pp vug POR, tr spty bri yel FLOR, n-rr brn STN, tr slow-fast stmg mlky CUT, n-tr od

5755.8 DOL brn, micsuc-suc, sl alg, tr ANHY nod, rthy, sltly, g intxl-pp
vug POR, g bri yel FLOR, fr-g brn STN, g fast stmg mlky CUT,
g od

5757.7 DOL AA, occ crpxl mtz, alg, g intxl-pp vug POR, occ alg POR, FLOR-
STN-CUT AA, g od

5758.6 LS tan-gy, mot, crpxl-micxl, occ micsuc, abnt styl, alg, tt-fr
intxl-rr pp vug POR, tr-fr spty bri yel FLOR, tr spty brn STN,
tr of fr mod fast stmg mlky CUT, fr od

5760.9 LS mot, gy-tan, crpxl, micxl ip, v fos, anhy-tr ANHY xl, tr mic-
Brac fos, tt, NFSOC

5761.8 LS AA, alg, ANHY fl POR, abnt Brac fos, tt, NFSOC

5764.2 LS gy, occ tan, crpxl-micxl, dns, sl alg, ANHY, styl, tt, NFSOC

5765.5 DOL ltbrn, micxl, sl micsuc-suc, rthy, sl slty, arg, v rr ANHY xl-
incl, tt-tr intxl POR, NFSOC

5767.7 DOL gy, crpxl, dns, rr mic fos, tt, NFSOC

5768.9 DOL brn, micxl-micsuc, rthy, slty, sl arg, styl, n-v rr intxl POR,
n-v fnt spty dull yel FLOR, n-v rr spty brn STN, n-v rr resid
ring CUT, n od

5769.8 DOL brn, micxl-micsuc, rthy, slty, sl shy, tr ANHY xl, tt-rr intxl
POR, NFSOC

5771.9 DOL mgy, crpxl, dns, rthy, shy, tt, NFSOC

5773.2 DOL AA

5774.3 DOL AA

5775.7 DOL AA

5778.5 DOL m-dkgy, AA

5780.8 DOL dkgy, crpxl-micxl, rthy, slty, v shy, grdg to dol SH, tt,
NFSOC

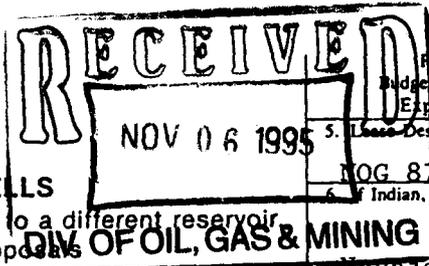
5781.9 SH blk-dkgy, mas, carb, dol, sl calc, sl slty, sooty, v sl calc

5783.1 SH blk, mas, dol-calc, carb, sooty, sl mica

5785.0 SH AA

CONFIDENTIAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT



FORM APPROVED
Bureau No. 1004-0135
Expires: March 31, 1993
5. Lease Designation and Serial No.
NOG 8707-1163
6. Indian, Allottee or Tribe Name
Navajo

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	7. If Unit or CA, Agreement Designation N/A
2. Name of Operator Harken Southwest Corporation	8. Well Name and No. Anasazi 6H-1
3. Address and Telephone No. P.O. Box 612007, Dallas, Texas 75261 (214) 753-6900	9. API Well No. 43-037-31744
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SE/NE Sec. 6-42S-24E 2150' FNL & 200' FEL	10. Field and Pool, or Exploratory Area Anasazi (Paradox)
	11. County or Parish, State San Juan, UT

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 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 checked="" type="checkbox"/> Other <u>Site Security</u>
	<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.)*

Attached please find the site security diagram for the production facilities on the Anasazi 6H-1.

CC: State of Utah
Navajo Nation-Minerals Department
BIA-Gallup, NM

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

Signed [Signature] Title Production Administrator Date November 2, 1995

(This space for Federal or State office use)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

STATE of UTAH
RECEIVED
NOV 14 1995
RECEIVED
BIM MAIL ROOM

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 to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.

3. Lease Designation and Serial No.
NOG 8707-1163
6. If Indian, Allottee or Tribe Name

DIV OF OIL, GAS & MINING
OCT 3 1995
FARMINGTON, NM

Navajo
7. If Unit or CA, Agreement Designation

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

N/A
8. Well Name and No.

2. Name of Operator
Harken Southwest Corporation

Anasazi 6H-1
9. API Well No.

3. Address and Telephone No.
P.O. Box 612007, Dallas, Texas 75261 (214) 753-6900

43-037-31744
10. Field and Pool, or Exploratory Area

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SE/NE Sec 6-42S-24E
2150' FNL & 200' FEL

Anasazi (Paradox)
11. County or Parish, State

San Juan, UT

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 checked="" type="checkbox"/> Other <u>Venting</u>
	<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.)*

As a result of maintenance procedures performed by Elkhorn Operating between September 18 and 27, 1995 Harken Southwest vented 23 MCF of gas on the subject well.

CC: State of Utah
Navajo Nation

ACCEPTED FOR RECORD

OCT 1 1995

FARMINGTON DISTRICT OFFICE

Ray Wag

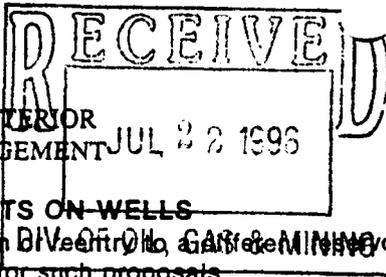
14. I hereby certify that the foregoing is true and correct

Signed *[Signature]* Title Production Administrator Date 10/2/95

(This space for Federal or State office use)

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

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 **Oil, Gas & MINING** wells.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

NOG 8707-1163

6. If Indian, Allottee or Tribe Name

Navajo Nation

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

Anasazi 6H-1

9. API Well No.

43-037-31744

10. Field and Pool, or Exploratory Area

Anasazi (Paradox)

11. County or Parish, State

San Juan Co., UT

SUBMIT IN TRIPLICATE

CONFIDENTIAL

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Harken Southwest Corporation

3. Address and Telephone No.

P.O. Box 612007 Dallas, Texas 75261-2007 (214) 753-6900

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

SE/NE Sec. 6-42S-24E
2150' FNL & 200' FEL

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 Reclamation & Reseeding
- 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.)*

The Reserve pit reclamation was completed July 8, 1996.

Reseeding was performed pursuant to the APD stipulations of seed mixture. A copy of the Custom Bulk Mixture Analysis is attached.

cc: State of Utah
Navajo Nation - Minerals Department
BIA - Gallup, NM

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

Signed [Signature] Title Production Administrator Date 07-15-96

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

JUL 12 '96 08:13 CHUSKA FARMINGTON NM

P.5

SEED FOR ALL NEEDS
SEED CONSULTING SERVICE

CUSTOM BULK SEED MIXTURE ANALYSIS MO5325

ITEM	SPECIES	PARTIC	CO	ORIG	PUR	INSE	CROP	YRS	R/W	GT	GRM	PLS	DATE	BULK LBS	PLS LBS	% OF MIX
1	SHRUB: FOURRING SALTBOSE	CO	050640	CO	98.84	1.32	0.00	0.04	NP	NP	58.00	57.21	02/05/96	2.00	1.14	28.57
2	SHRUB: SEAORCHACE	TNS	05310	NP	97.91	2.39	0.00	3.00	NP	NP	57.00	55.10	11/01/96	2.00	1.11	28.57
3	INDIAN RICEGRASS	NEZPAR	04782	CT	99.13	0.01	0.00	0.06	NP	NP	92.00	91.14	05/08/96	3.00	1.84	28.57
4	GRASS 4: ALKALI SACATON	TNS	05003	IS	93.14	5.94	0.18	0.74	NP	NP	82.00	76.17	11/22/95	1.00	0.76	14.29
														7.00	4.35	100.00

MO5325

WELL ANASAZI 6 H 1

BAG AT 7 BULK LBS -- PACKET INSIDE

THE DATE IS 06/29/96
THE TIME IS 11:04:48

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

43-037-31744

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 to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Harken Southwest Corporation

3. Address and Telephone No.

P.O. Box 612007 Dallas, Texas 75261-2007 (972) 753-6900

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

40,41 & 42S - 23,24 & 25S
Various Sections

5. Lease Designation and Serial No.

6. If Indian, Allottee or Tribe Name

Navajo Nation

7. If Unit or CA, Agreement Designation

8. Well Name and No.

See attached

9. API Well No.

See attached

10. Field and Pool, or Exploratory Area

11. County or Parish, State

San Juan County, UT

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 checked="" type="checkbox"/> Other <u>Gas venting</u>
	<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

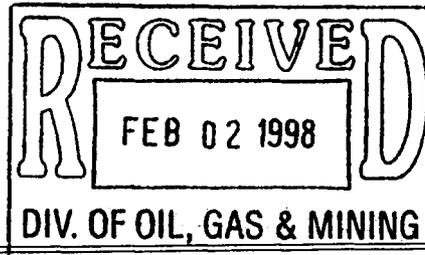
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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.)*

Attached please find the summary sheet for the gas vented by Harken Southwest during December, 1997 and January, 1998 due to the explosion and subsequent problems at the Aneth Gas Plant.

If additional information is required, please contact the undersigned at (972) 753-6900.

CC: State of Utah
Navajo Nation - Minerals Dept
BIA - Gallup, NM



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

Signed

Sachelle Montgomery

Title Production Administrator

Date 01/29/98

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

MARKEN SOUTHWEST CORPORATION

Gas Vented during Aneth Plant Shut-Down (12/97 & 1/98)

Page 1 of 3

	Anasazi #1 43-037-31478 SW/NW Sec 6-42S-24E	Anasazi 5L-3 43-037-31572 NW/SW Sec 6-42S-24E	Sahgzie 1 43-037-31472 SW/NW Sec 6-42S-24E	Anasazi 6H-1 43-037-31744 SE/NE Sec 6-42S-24E	Navajo Tribal 41-2 43-037-31041 NE/NE Sec 2-42S-24E	Navajo Tribal 23-13 43-037-30971 NE/SW Sec 13-40S-24E	Runway 10C-5A 43-037-31597 NE/NW Sec 10-40S-25E	Runway 10G-1 43-037-31515 SW/NE Sec 10-40S-25E
Vented Gas (MCF) December 1997								
25-Dec	88	58	29	14		12	84	158
26-Dec	88	58	28	15		12	84	157
27-Dec	82	61	24	15		12	84	157
28-Dec	85	61	30	14		12	84	157
29-Dec	90	58	25	16	8	12	84	157
30-Dec	88	57	30	16		12	84	162
31-Dec	79	52	26	16		12	84	157
Dec Total	600	405	192	106	8	84	588	1105
Vented Gas (MCF) January 1998								
1-Jan	79	57	29	16	7	12	84	162
2-Jan	89	57	30	15		12	84	162
3-Jan	87	52	30	16		12	84	162
4-Jan	86	50	29	16		12	84	162
5-Jan	107	47	29	16	7	12	84	162
6-Jan	76	75	28	21		10	84	162
7-Jan	84	72	29	22		11	84	157
8-Jan	79	75	30	22		9	84	157
9-Jan	77	70	29	21	11	12	84	147
10-Jan	0	0	0	0	0	2	0	136
11-Jan	0	0	0	0	0	0	0	0
12-Jan	0	0	0	0	0	0	0	0
13-Jan	0	0	0	0	0	0	0	0
14-Jan	0	0	0	0	0	0	0	0
15-Jan	0	0	0	0	0	0	0	0
16-Jan	0	0	0	0	0	0	0	0
17-Jan	0	0	0	0	0	0	0	0
18-Jan	81	67	28	22	0	0	0	0
19-Jan	81	67	28	22	0	5	99	0
20-Jan	80	64	30	21	0	2	12	0
Jan Total	1006	753	349	230	25	111	867	1569
Grand Total	1606	1158	541	336	33	195	1455	2674

HARKEN SOUTHWEST CORPORATION
Gas Vented during Aneth Plant Shut-Down (12/97 & 1/98)

Page 2 of 3

Runway 10E-2 43-037-31550 SW/NW Sec 10-40S-26E	Momentum 8N-2 43-037-31509 SE/SW Sec 8-40S-26E	Momentum 17E-2 43-037-31547 SW/NW Sec 17-40S-26E	Cajon Mesa 8D-1 43-037-31497 NW/NW Sec 8-40S-26E	Blue Hogan 1J-1 43-037-31562 NW/SE Sec 1-42S-23E	Brown Hogan 1A-2 43-037-31573 NE/NE Sec 1-42S-23E
---	---	---	---	---	--

Vented Gas (MCF) December 1997

25-Dec	64	22		22	32	20
26-Dec	64	22	23	22	32	20
27-Dec	64	22		22	32	20
28-Dec	64	22		22	32	22
29-Dec	64	22	22	22	32	22
30-Dec	64	22		25	22	20
31-Dec	64	19		25	22	20
Dec Total	448	151	45	160	204	144

Vented Gas (MCF) January 1998

1-Jan	64	20	22	25	22	21
2-Jan	64	22		25	20	20
3-Jan	64	22		25	20	20
4-Jan	64	22		25	22	20
5-Jan	64	21	15	25	22	20
6-Jan	64	21		25	22	20
7-Jan	64	21		25	22	22
8-Jan	64	21		25	22	22
9-Jan	64	22	22	25	22	22
10-Jan	8	0	0	22	40	4
11-Jan	0	0	0	0	0	0
12-Jan	0	0	0	0	0	0
13-Jan	0	0	0	0	0	0
14-Jan	0	0	0	0	0	0
15-Jan	0	0	0	0	0	0
16-Jan	0	0	0	0	0	0
17-Jan	0	0	0	0	0	0
18-Jan	0	0	0	0	44	21
19-Jan	69	23	14	21	44	21
20-Jan	13	4		5	10	23
Jan Total	666	219	73	273	332	256
Grand Total	1114	370	118	433	538	400

HARKEN SOUTHWEST CORPORATION
Gas Vented during Aneth Plant Shut-Down (12/97 & 1/98)
 Page 3 of 3

Mule 31M 43-037-31710 SW/SW Sec 31-41-24E	Big Sky 6E(6L) 43-037-31714 NW/SW Sec 6-42S-25E	Mule 31-K(N) 43-037-31617 NE/SW Sec 31-41S-24E	DAILY TOTALS
--	--	---	---------------------

Vented Gas (MCF) December 1997				
25-Dec	25	62	25	715
26-Dec	25	94		744
27-Dec	20	94	21	730
28-Dec	19	90	21	735
29-Dec	28	62	29	753
30-Dec	22	62		686
31-Dec	23	62		661
Dec Total	162	526	96	5024

Vented Gas (MCF) January 1998				
1-Jan	22	62		704
2-Jan	23	63		686
3-Jan	23	63		680
4-Jan	23	63		678
5-Jan	23	63		717
6-Jan	22	63		693
7-Jan	23	63	21	720
8-Jan	23	63	21	717
9-Jan	23	64	21	736
10-Jan	0	64	0	276
11-Jan	0	0	0	0
12-Jan	0	0	0	0
13-Jan	0	0	0	0
14-Jan	0	0	0	0
15-Jan	0	0	0	0
16-Jan	0	0	0	0
17-Jan	0	0	0	0
18-Jan	23	73	0	359
19-Jan	25	73	21	613
20-Jan	23	2	23	312
Jan Total	276	779	107	7891
Grand Total	438	1305	203	12915

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
 1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS

HARKEN Susan Herrera
 SOUTHWEST CORPORATION
 C/O HOLCOMB OIL AND GAS, INC.
 PO BOX 2058
 FARMINGTON, NM 87499-2058

UTAH ACCOUNT NUMBER: N9290
 REPORT PERIOD (MONTH/YEAR): 02/2001
 AMENDED REPORT (Highlight Changes)

WELL NAME			Producing Zone	Well Status	Well Type	Days Oper	Production Volumes			
API Number	Entity	Location					OIL (BBL)	GAS (MCF)	WATER (BBL)	
NAVAJO TRIBAL 23-13										
4303730971	09420	40S 24E 13	DSCR	P	OW	28	1,071	551	2,296	
NAVAJO TRIBAL 41-2										
4303731041	09437	42S 24E 02	DSCR	P	OW	19	174	23	0	
NAVAJO TRIBAL 32-26										
4303731060	09990	40S 22E 26	DSCR	P	OW	8	104	291	0	
NAVAJO TRIBAL 14-10										
4303730977	10130	40S 24E 05	DSCR	P	OW	28	93	0	0	
SAHGZIE 1										
4303731472	11032	42S 24E 05	DSCR	P	OW	28	1,025	476	0	
ANASAZI 1										
4303731478	11042	42S 24E 05	DSCR	P	OW	28	1,308	1,349	0	
CAJON MESA 8D-1										
4303731497	11074	40S 25E 08	DSCR	P	OW	27	245	355	61	
MONUMENT 8N-2										
4303731509	11087	40S 25E 08	DSCR	P	OW	28	239	496	0	
RUNWAY 10G-1										
4303731515	11105	40S 25E 10	DSCR	S	OW	28	1,412	1,613	432	
RUNWAY 10E-2										
4303731550	11128	40S 25E 10	DSCR	S	GW	27	279	917	0	
MONUMENT 17E-2										
4303731547	11139	40S 25E 17	DSCR	S	OW	26	157	548	0	
LONE MOUNTAIN CREEK 12F-1										
4303731545	11148	42S 24E 12	DSCR	P	OW	22	149	533	12	
RUNWAY 10C-5A										
4303731597	11152	40S 25E 10	DSCR	P	OW	24	221	899	40	
TOTALS								6477	8051	2841

COMMENTS:

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

Date: April 13, 2001

Signature

Susan M. Herrera
 Susan M. Herrera

RECEIVED

(505) 326-0550

APR 17 2001

DIVISION OF
 OIL, GAS AND MINING

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
 1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS

Susan Herrera
 RIM SOUTHWEST CORPORATION
 C/O HOLCOMB OIL AND GAS, INC.
 PO BOX 2058
 FARMINGTON, NM 87499-2058

UTAH ACCOUNT NUMBER: N9290

REPORT PERIOD (MONTH/YEAR): 02/2001

AMENDED REPORT (Highlight Changes)

WELL NAME			Producing Zone	Well Status	Well Type	Days Oper	Production Volumes		
API Number	Entity	Location					OIL (BBL)	GAS (MCF)	WATER (BBL)
✓	BLUE HOGAN 1J-1								
4303731562	11161	42S 23E 01	DSCR	P	OW	27	800	778	36
✓	ANASAZI 5L-3								
4303731572	11207	42S 24E 05	DSCR	P	OW	28	1,187	1,284	0
✓	BROWN HOGAN 1A-2								
4303731573	11215	42S 23E 01	DSCR	P	OW	28	297	504	0
✓	STERLING 36L-1								
4303731595	11224	41S 23E 36	DSCR	S	OW	0	0	0	0
✓	MULE 31K (N)								
4303731617	11326	41S 24E 31	DSCR	P	OW	28	308	348	73
✓	NORTH HERON 35C								
4303731616	11479	41S 25E 35	DSCR	S	OW	0	0	0	0
✓	BURRO 31I								
4303731708	11496	41S 24E 31	DSCR	P	OW	28	489	0	0
✓	JACK 31G								
4303731709	11497	41S 24E 31	DSCR	S	OW	0	0	0	0
✓	MULE 31M								
4303731710	11498	41S 24E 31	DSCR	P	OW	28	1,074	333	120
✓	BIG SKY 6E (6L) 1								
4303731714	11722	42S 25E 06	DSCR	P	OW	26	262	551	0
✓	CLAY HILL CANYON 32D								
4303731741	11734	41S 25E 32	DSCR	TA	NA	0	0	0	0
✓	ANASAZI 6H-1								
4303731744	11773	42S 24E 06	DSCR	P	OW	28	205	303	0

TOTALS

4622

4101

229

COMMENTS:

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

Date: April 13, 2001

Signature


 Susan M. Herrera

RECEIVED
 Telephone Number

(505) 326-0550

APR 17 2001

DIVISION OF
 OIL, GAS AND MINING

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:

SEE ATTACHED

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:

Navajo

7. UNIT or CA AGREEMENT NAME:

SEE ATTACHED

1. TYPE OF WELL

OIL WELL

GAS WELL

OTHER SEE ATTACHED

8. WELL NAME and NUMBER:

SEE ATTACHED

2. NAME OF OPERATOR:

RIM Southwest Corporation

9. API NUMBER:

SEE ATTACH

3. ADDRESS OF OPERATOR:

P.O. Box 145 CITY Farmington STATE NM ZIP 87499

PHONE NUMBER:

(505) 327-5531

10. FIELD AND POOL, OR WILDCAT:

Greater Aneth

4. LOCATION OF WELL

FOOTAGES AT SURFACE: SEE ATTACHED

COUNTY: San Juan

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

STATE:

UTAH

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

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

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

Corporate Name Change from Harken Southwest Corporation to RIM Southwest Corporation, effective December 1, 2000 for reporting requirements.

RECEIVED

APR 23 2001
DIVISION OF
OIL, GAS AND MINING

NAME (PLEASE PRINT) W. J. Holcomb

TITLE Vice-President

SIGNATURE [Signature]

DATE 4/23/2001

(This space for State use only)

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:

12/1/2000

FROM: (Old Operator): N9290-Harken Southwest Corporation 5 Inverness Drive, East Denver, CO 80112 Phone: (303) 799-9828	TO: (New Operator): N1715-Rim Southwest Corporation PO Box 145 Farmington, NM 87499 Phone: (505) 327-5531
--	---

CA No.

Unit:

WELL(S)

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
NAVAJO TRIBAL 32-26	26	400S	220E	4303731060	9990	Indian	OW	S
NAVAJO TRIBAL 14-10	10	400S	240E	4303730977	10130	Indian	OW	P
NAVAJO TRIBAL 23-13	13	400S	240E	4303730971	9420	Indian	OW	P
CAJON MESA 8D-1	08	400S	250E	4303731497	11074	Indian	OW	P
MONUMENT 8N-2	08	400S	250E	4303731509	11087	Indian	OW	P
RUNWAY 10G-1	10	400S	250E	4303731515	11105	Indian	OW	P
RUNWAY 10E-2	10	400S	250E	4303731550	11128	Indian	GW	P
RUNWAY 10C-5A	10	400S	250E	4303731597	11152	Indian	OW	P
MONUMENT 17E-2	17	400S	250E	4303731547	11139	Indian	OW	P
STERLING 36L-1	36	410S	230E	4303731595	11224	Indian	OW	S
MULE 31K (N)	31	410S	240E	4303731617	11326	Indian	OW	P
BURRO 31I	31	410S	240E	4303731708	11496	Indian	OW	P
MULE 31M	31	410S	240E	4303731710	11498	Indian	OW	P
JACK 31G	31	410S	240E	4303731709	11497	Indian	OW	S
CLAY HILL CANYON 32D	32	410S	250E	4303731741	11734	Indian	OW	TA
NORTH HERON 35C	35	410S	250E	4303731616	11479	Indian	OW	S
BLUE HOGAN 1J-1	01	420S	230E	4303731562	11161	Indian	OW	P
BROWN HOGAN 1A-2	01	420S	230E	4303731573	11215	Indian	OW	P
NAVAJO TRIBAL 41-2	02	420S	240E	4303731041	9437	Indian	OW	P
SAHGZIE 1	05	420S	240E	4303731472	11032	Indian	OW	P
ANASAZI 1	05	420S	240E	4303731478	11042	Indian	OW	P
ANASAZI 5L-3	05	420S	240E	4303731572	11207	Indian	OW	P
ANASAZI 6H-1	06	420S	240E	4303731744	11773	Indian	OW	P
LONE MOUNTAIN CREEK 12F-1	12	420S	240E	4303731545	11148	Indian	OW	P
BIG SKY 6E (6L) 1	06	420S	250E	4303731714	11722	Indian	OW	P

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 4/27/2001
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 4/27/2001
3. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/30/2003

4. Is the new operator registered in the State of Utah: YES Business Number: 794466-0143
5. If NO, the operator was contacted on: _____
6. (R649-9-2)Waste Management Plan has been received on: 8/13/2003

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: not given

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: n/a

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: n/a

DATA ENTRY:

1. Changes entered in the Oil and Gas Database on: 8/26/2003
2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 8/26/2003
3. Bond information entered in RBDMS on: n/a
4. Fee wells attached to bond in RBDMS on: n/a

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: n/a

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: n/a

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: RLB0001937

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Number n/a
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:

Because this was a merger, all LA and PA wells belong to Rim Southwest also. However, they are still on our computer as Harken Southwest because no list was provided to move them.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135

5- Lease Serial No.
NOG 8707-1163

6. If Indian, Allottee, or Tribe Name
The Navajo Nation

7. If Unit or CA. Agreement Designation

8. Well Name and No.
Anasazi 6H-1

9. API Well No.
43-037-31744

10. Field and Pool, or Exploratory Area
Greater Aneth

11. County or Parish, State
San Juan Co., Utah

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
RJM Southwest Corporation

3a. Address
5 Inverness Drive East, Englewood CO 80112

3b. Phone No. (include area code)
303-799-9828

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SE SE sec 6 T 42S R 24E

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, 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"/> Altering Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and abandon	<input type="checkbox"/> Temporarily Abandon	Return to production
	<input type="checkbox"/> Convert to Injection	<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 recomplete horizontally, give subsurface locations and measured and true vertical depths or pertinent markers and sands. Attach the Bond under which the work will performed or provide the Bond No. on file with the 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 Notice shall be filed only after all requirements, including reclamantion, have been completed, and the operator has determined that the site is ready for final inspection.)

Returned to sales on Friday, August 29, 2008.

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

Name (Printed/ Typed) **Kenneth J Kundrik** Title **Operations Engineer**

Signature *Kenneth J Kundrik* Date **9/2/2008**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____ Title _____ Date **SEP 09 2008**

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 **FARMINGTON FIELD OFFICE** BY *[Signature]*

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 any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

FARMINGTON
Wah-SD

RECEIVED
SEP 25 2008
DIV. OF OIL & GAS MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

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

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

5. Lease Serial No. NOG 8707-1163
6. Allottee, or Tribe Name The Navajo Nation
7. If Unit or CA. Agreement Designation
8. Well Name and No. Anasazi 6H-1
9. API Well No. 43-037-31744
10. Field and Pool, or Exploratory Area Greater Aneth
11. County or Parish, State San Juan Co., Utah

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other
2. Name of Operator RIM Southwest Corp.
3a. Address 5 Inverness Drive East, Englewood CO 80112
3b. Phone No. (include area code) 303-799-9828
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SE SE Sec 6 T 42S R 24E

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, 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"/> Altering Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and abandon	<input type="checkbox"/> Temporarily Abandon	Returned to sales
	<input type="checkbox"/> Convert to Injection	<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 recomplete horizontally, give subsurface locations and measured and true vertical depths or pertinent markers and sands. Attach the Bond under which the work will be performed or provide the Bond No. on file with the 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 Notice 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.)

Returned to sales on Friday, February 27, 2009.

RECEIVED
MAR 12 2009

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.
Name (Printed/ Typed)

Kenneth J Kundrik

Title

Operations Engineer

Signature

Helma Dee for Kenneth J Kundrik

Date

3/2/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

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.

Title

Date

Office

ACCEPTED FOR RECORD

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 any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

MAR 09 2009

(Instructions on reverse)

UTAH

JCD

FARMINGTON FIELD OFFICE
BY *cm*

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING
 CDW

X - Change of Operator (Well Sold)

Operator Name Change/Merger

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

8/1/2012

FROM: (Old Operator): N1715- RIM Southwest Corp P.O. Box 2058 Farmington, NM 87499 Phone: 1 (505) 327-5531	TO: (New Operator): N2550- Navajo Nation Oil & Gas Company 1675 Broadway, Suite 1000 Denver, CO 80202 Phone: 1 (303) 534-8300
---	---

CA No.

Unit:

N/A

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
See Attached List								

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/19/2012
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/19/2012
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 12/11/2012
- 4a. Is the new operator registered in the State of Utah: _____ Business Number: 7407010-0147
- 5a. (R649-9-2)Waste Management Plan has been received on: Requested
- 5b. Inspections of LA PA state/fee well sites complete on: N/A
- 5c. Reports current for Production/Disposition & Sundries on: 12/11/2012
- 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
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 12/11/2012
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 12/11/2012
- Bond information entered in RBDMS on: 12/11/2102
- Fee/State wells attached to bond in RBDMS on: N/A
- Injection Projects to new operator in RBDMS on: 12/11/2012
- Receipt of Acceptance of Drilling Procedures for APD/New on: N/A

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: N/A
- Indian well(s) covered by Bond Number: RLB0006712
- 3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number N/A
- 3b. The **FORMER** operator has requested a release of liability from their bond on: N/A

LEASE INTEREST OWNER NOTIFICATION:

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

COMMENTS:

RIM Southwest Corp (N1715) to Navajo Nation Oil Gas Company (N2550)
Effective 8/1/2012

Well Name	Sec	TWP	RNG	API Number	Entity	Lease	Well Type	Well Status
SAHGZIE 1	05	420S	240E	4303731472	11032	Indian	OW	P
ANASAZI 1	05	420S	240E	4303731478	11042	Indian	OW	P
CAJON MESA 8D-1	08	400S	250E	4303731497	11074	Indian	OW	P
MONUMENT 8N-2	08	400S	250E	4303731509	11087	Indian	OW	P
RUNWAY 10G-1	10	400S	250E	4303731515	11105	Indian	OW	P
LONE MOUNTAIN CREEK 12F-1	12	420S	240E	4303731545	11148	Indian	OW	P
RUNWAY 10E-2	10	400S	250E	4303731550	11128	Indian	GW	P
BLUE HOGAN 1J-1	01	420S	230E	4303731562	11161	Indian	OW	P
ANASAZI 5L-3	05	420S	240E	4303731572	11207	Indian	OW	P
BROWN HOGAN 1A-2	01	420S	230E	4303731573	11215	Indian	OW	P
MULE 31K (N)	31	410S	240E	4303731617	11326	Indian	OW	P
BURRO 31I	31	410S	240E	4303731708	11496	Indian	OW	P
MULE 31M	31	410S	240E	4303731710	11498	Indian	OW	P
ANASAZI 6H-1	06	420S	240E	4303731744	11773	Indian	OW	P
MONUMENT 17E-2	17	400S	250E	4303731547	11139	Indian	OW	S
RUNWAY 10C-5A	10	400S	250E	4303731597	11152	Indian	OW	S

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: 11773
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: Navajo
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: Navajo Nation Oil and Gas Company		8. WELL NAME and NUMBER: Anasazi 6H# 1
3. ADDRESS OF OPERATOR: P. O. Box 5069 Window Rock STATE AZ ZIP 86515	PHONE NUMBER: 303-534-8300	9. API NUMBER: 43-037-31744
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2150 FNL & 200 FEL COUNTY: San Juan QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SE NE sec. 6 T42S R24E STATE: UTAH		10. FIELD AND POOL, OR WILDCAT: Greater Aneth

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

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

Navajo Nation Oil and Gas Company certifies that it is authorized by the proper lease interest owners to conduct operations associated with this application. Bond coverage pursuant to 43CFR3104 for lease activities is being provided by Navajo Nation Oil and Gas Company with their BIA Bond RLB0014524.

RIM Southwest Corporation, the previous operator, hereby names Navajo Nation Oil and Gas Company as successor operator effective August 1, 2012

RIM SOUTHWEST CORPORATION


RENE MORIN, VICE-PRESIDENT

Bond No. **RLB0006712**

NAME (PLEASE PRINT) <u>Lauren Geminari</u>	TITLE <u>Land Manager</u>
SIGNATURE <u>Lauren Geminari</u>	DATE <u>8/1/12</u>

(This space for State use only)

APPROVED

DEC 11 2012

DIV. OIL GAS & MINING
BY: Rachel Medina

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: NOG-8707-1163
1. TYPE OF WELL Oil Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO
2. NAME OF OPERATOR: NAVAJO NATION OIL & GAS CO	7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: P.O. Box 4439 , Window Rock, AZ, 86515	8. WELL NAME and NUMBER: ANASAZI 6H-1
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2150 FNL 0200 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 06 Township: 42.0S Range: 24.0E Meridian: S	9. API NUMBER: 43037317440000
9. FIELD and POOL or WILDCAT: GREATER ANETH	COUNTY: SAN JUAN
9. PHONE NUMBER: 303 534-8300 Ext	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: 12/24/2012	<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 checked="" type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

On vent as of December 24, 2012 due to operational issues to sales line.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 December 31, 2012

NAME (PLEASE PRINT) Lauren Germinario	PHONE NUMBER 303 534-8300	TITLE Land Manager
SIGNATURE N/A	DATE 12/28/2012	

Navajo Nations Oil Gas Co. (N2550) to NNOGC Exploration Production, LLC (N3930)
Effective 8/1/2012

Well Name	Sec	TWP	RNG	API	Entity	Lease	Well Type	Well Status
TOHONADLA 26-OSCAR	26	410S	210E	4303750022		Indian	OW	APD
TOHONADLA 35-F	35	410S	210E	4303750024		Indian	OW	APD
TOHONADLA 2-G	02	420S	210E	4303750027		Indian	OW	APD
TOHONADLA 2-B	02	420S	210E	4303750028		Indian	OW	APD
TOHONADLA 1-C	01	420S	210E	4303750029		Indian	OW	APD
TOHONADLA 2-BRAVO	02	420S	210E	4303750030		Indian	OW	APD
TOHONADLA 1-F	01	420S	210E	4303750031		Indian	OW	APD
TOHONADLA 2-H	02	420S	210E	4303750032		Indian	OW	APD
TOHONADLA 1-Delta	01	420S	210E	4303750033		Indian	OW	APD
TOHONADLA 35-INDIGO	35	410S	210E	4303750034		Indian	OW	APD
TOHONADLA 35-J	35	410S	210E	4303750035		Indian	OW	APD
UTE CANYON 25G-O	25	410S	210E	4303731913	18823	Indian	OW	DRL
TOHONADLA 35-B	35	410S	210E	4303750023	18824	Indian	OW	DRL
UTE CYN 23-INDIGO	23	410S	210E	4303731880		Indian	OW	LA
TOHONADLA 35-P	35	410S	210E	4303731886		Indian	OW	LA
TOHONADLA 1-E	01	420S	210E	4303731887		Indian	OW	LA
TOHONADLA 1-D	01	420S	210E	4303731888		Indian	OW	LA
TOHONADLA 26-O	26	410S	210E	4303731896		Indian	OW	LA
UTE CYN 23-INDIGO	23	410S	210E	4303731911		Indian	OW	LA
NAVAJO TR 23-1	02	420S	210E	4303715540	6230	Indian	OW	P
DESERT CREEK 2	35	410S	230E	4303715868	6270	Indian	OW	P
TOHONADLA 1	35	410S	210E	4303715872	11202	Indian	OW	P
TOHONADLA 23-35	35	410S	210E	4303715874	11202	Indian	OW	P
NAVAJO TRIBAL 23-13	13	400S	240E	4303730971	9420	Indian	OW	P
NAVAJO TRIBAL 14-10	10	400S	240E	4303730977	10130	Indian	OW	P
SAHGZIE 1	05	420S	240E	4303731472	11032	Indian	OW	P
ANASAZI 1	05	420S	240E	4303731478	11042	Indian	OW	P
CAJON MESA 8D-1	08	400S	250E	4303731497	11074	Indian	OW	P
MONUMENT 8N-2	08	400S	250E	4303731509	11087	Indian	OW	P
RUNWAY 10G-1	10	400S	250E	4303731515	11105	Indian	OW	P
LONE MOUNTAIN CREEK 12F-1	12	420S	240E	4303731545	11148	Indian	OW	P
RUNWAY 10E-2	10	400S	250E	4303731550	11128	Indian	GW	P
BLUE HOGAN 1J-1	01	420S	230E	4303731562	11161	Indian	OW	P
TOHONADLA 2-35	35	410S	210E	4303731568	11202	Indian	OW	P
ANASAZI 5L-3	05	420S	240E	4303731572	11207	Indian	OW	P
BROWN HOGAN 1A-2	01	420S	230E	4303731573	11215	Indian	OW	P
MULE 31K (N)	31	410S	240E	4303731617	11326	Indian	OW	P
BURRO 31I	31	410S	240E	4303731708	11496	Indian	OW	P
MULE 31M	31	410S	240E	4303731710	11498	Indian	OW	P
ANASAZI 6H-1	06	420S	240E	4303731744	11773	Indian	OW	P
TOHONADLA 35-P	35	410S	210E	4303750005	11202	Indian	OW	P
TOHONADLA 1-E	01	420S	210E	4303750006	6230	Indian	OW	P
NAVAJO TRIBAL 41-2	02	420S	240E	4303731041	9437	Indian	OW	PA
MONUMENT 17E-2	17	400S	250E	4303731547	11139	Indian	OW	S
RUNWAY 10C-5A	10	400S	250E	4303731597	11152	Indian	OW	S
UTE CYN 23-P	23	410S	210E	4303731881	17282	Indian	OW	S

NAVAJO NATION OIL & GAS COMPANY

EXPLORATION & PRODUCTION LLC

1675 Broadway, Suite 1100 • Denver, Colorado • 80202

Telephone (303) 534-8300 • FAX (303) 534-1405



September 18, 2012

Utah Division of Oil, Gas and Mining
c/o Rachel Medina
1594 West North Temple, Suite 1210
Salt Lake City, Utah 84114-5801

RECEIVED
SEP 19 2012
DIV. OF OIL, GAS & MINING

RE: Change of Operator Name and Address for Wells

Dear Rachel,

I am including with this letter several original FORM 9 to change the operator on wells. This probably will be done in two steps.

1. (16 wells) Change of Operator from RIM Southwest Corporation to Navajo Nation Oil & Gas Co.
2. (Same 16 wells) Change of Operator from Navajo Nation Oil & Gas Co. to NNOGC Exploration and Production, LLC.

We have recently registered our LLC with the State of Utah. The Utah Entity Number for NNOGC Exploration and Production, LLC is: 8399948-0165. Also, a new DOGM No. has been applied for for the LLC.

The name and address change is as follows:

OLD: Navajo Nation Oil & Gas Co.
1675 Broadway, Suite 1100
Denver, CO 80202
(DOGM Operator No. N2550)

NEW: NNOGC Exploration and Production, LLC
1625 Broadway, Suite 1000
Denver, CO 80202

Should you require any additional information please contact me at 303-534-8300.

Sincerely,

A handwritten signature in black ink that reads "Katie Hynes". The signature is written in a cursive, flowing style.

Katie Hynes
Associate Landman

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: See Attached
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Navajo Nation
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		8. WELL NAME and NUMBER: See Attached
2. NAME OF OPERATOR: Navajo Nation Oil & Gas Co.		9. API NUMBER: Various
3. ADDRESS OF OPERATOR: 1675 Broadway, Suite 1100 CITY Denver STATE CO ZIP 80202		10. FIELD AND POOL, OR WILDCAT: Various
4. LOCATION OF WELL FOOTAGES AT SURFACE: See Attached List		COUNTY: San Juan
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		STATE: UTAH

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

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

The Navajo Nation Oil and Gas Co. has registered its new entity with the State of Utah. The Operator Name and Address change applies to all wells currently operated by DOGM No. N2550 (see attachment).

The Utah Entity Number for the LLC is: 8399948-0165.

The new Entity is:

NNOGC Exploration and Production, LLC
1625 Broadway, Suite 1000
Denver, CO 80202

NEW DOGM No. : 3930

Bond No. RLB0006712

Effective: July 10, 2010

NAME (PLEASE PRINT) Lauren Germinario TITLE Land Manager
SIGNATURE *Lauren Germinario* DATE 9/14/12
APPROVED

(This space for State use only)

DEC 3 1 2012

RECEIVED

DIV. OIL GAS & MINING
BY: Rachel Medina

SEP 17 2012

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: See Attached
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Navajo Nation
7. UNIT or CA AGREEMENT NAME:
8. WELL NAME and NUMBER: See Attached
9. API NUMBER: Various
10. FIELD AND POOL, OR WILDCAT: Various

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____
2. NAME OF OPERATOR: Navajo Nation Oil & Gas Co
3. ADDRESS OF OPERATOR: P.O. Box 5069 CITY Window Rock STATE AZ ZIP 86515
PHONE NUMBER: (303) 534-8300

4. LOCATION OF WELL FOOTAGES AT SURFACE:	COUNTY: San Juan
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:	STATE: UTAH

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

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

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

The Navajo Nation Oil & Gas Co. has registered its new entity with the State of Utah. The name and address change applies to all the wells that have recently changed from RIM Southwest Corporation to Navajo Nation Oil & Gas Co. (DOGM No. N2550)

The Utah Entity Number for the LLC is: 8399948-0165

Note: A new DOGM No. has been applied for NNOGC Exploration and Production, LLC

Please see the attached list of wells that will now be operated by:

NNOGC Exploration and Production, LLC
1625 Broadway, Suite 1000
Denver, CO 80202

All of these work wells are covered by Bond No. RLB0006712

Effective: Aug 1, 2012

NAME (PLEASE PRINT) <u>Lauren Germinario</u>	TITLE <u>Land Manager</u>
SIGNATURE <i>Lauren Germinario</i>	DATE <u>9/18/2012</u>

APPROVED

DEC 31 2012

DIV. OIL GAS & MINING
BY: *Rachel Medina*

(See Instructions on Reverse Side)

RECEIVED
SEP 19 2012

DIV. OF OIL, GAS & MINING