

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS WELL LOG FILE WATER SANDS LOCATION INSPECTED SUR REPORT #

Oil logs attached 2/25/90

DATE FILED **2-26-90**

LAND FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. INDIAN NOG **8702-1116**

DRILLING APPROVED **3-23-90 (EXCEPTION LOCATION)**

SPOOLED IN

COMPLETED PUT TO PRODUING

INITIAL PRODUCTION

GRAVITY API *21.794*

GOR

PRODUCING ZONES

TOTAL DEPTH

WELL ELEVATION

DATE ABANDONED *DA 01-7-94*

FIELD **WILDCAT**

UNIT

COUNTY **SAN JUAN**

WELL NO. **BLACK STEER 25E #1** API NO. **43-037-31513**

LOCATION **2077' FNL** FT FROM (N) (S) LINE **63' FWL** FT FROM (E) (W) LINE **SWNW** **14 - 1/4 SEC 25**

TWP	RGE	SEC	OPERATOR	TWP	RGE	SEC	OPERATOR
39S	25E	25	CHUSKA ENERGY COMPANY				

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work
 DRILL DEEPEN PLUG BACK

b. Type of Well
 Oil Well Gas Well Other FEB 26 1990
 Single Zone Multiple Zone

2. Name of Operator
 Chuska Energy Company

3. Address of Operator
 315 North Behrend, Farmington, New Mexico 87401

4. Location of Well (Report location clearly and in accordance with any state requirements)
 At surface: -2012' ENL, 63' FWI
 At proposed prod zone: Same SWNW

14. Distance in miles and direction from nearest town or post office
 Same

5. Lease Designation and Serial No.
 NOG 8702-1116

6. If Indian, Allottee or Tribe Name
 Navajo Tribal

7. Unit Agreement Name

8. Exact or Lease Name
 Black Steer 25E

9. Well No.
 1

10. Field and Pool, or Wildcat
 Wildcat (001)

11. 20 sec. T. R. N. or S.E. and Survey or Area
 S25 T39S R25E

12. County or Precinct | 13. State
 San Juan | Utah

15. Distance from proposed location to nearest property or lease line ft (Also to nearest title line if any)
 16. No. of acres in lease
 17. No. of acres assigned to this well

18. Distance from proposed locat on to nearest well drilling completed or spudded for on this lease ft
 19. Proposed Depth
 20. Rotary or cable tool
 6,310' Desert Creek Rotary

21. Elevations (Show whether DT, RT, GR, etc.)
 22. Approx. date work will start
 5117' 5,214' GR 4-1-90

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
12 1/4"	8 5/8"	24 lb	500'	371 sx 'G' + 2% CaCl ₂
7 7/8"	5 1/2"	15.5 lb	6,310'	678 sx 'G', 65:35 Poz + 6% Gel

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

24. I hereby certify that this report is true and complete to the best of my knowledge.
 Signed: Donald S. Barnes Title: Operations Manager Date: 2-22-90

(This space for central or state office use)
 App No: 43-032-31513 Approval Date: _____

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

APPROVED BY THE STATE
 OF UTAH DIVISION OF
 OIL, GAS, AND MINING
 DATE: 3-23-90
 BY: John R. Daga
 WELL SPACING: R25-3-3

*See Instructions On Reverse Side



CHUSKA ENERGY COMPANY

315 N BEHREND • FARMINGTON, NEW MEXICO 87401 • PHONE (505) 326-5525

RECEIVED
FEB 26 1990

February 22, 1990

DIVISION
OIL, GAS & MINING

State of Utah Department of Natural Resources
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Building, Suite 350
Salt Lake City, Utah 84180-1203

Ref: Application for Permit to Drill: Black Steer 25E-1 Well, San Juan County, Utah

Gentlemen

Attached for your examination and approval is the original and two copies of an Applications for Permit to Drill the Black Steer 25E Well No. 1 in San Juan County, Utah. This well will be drilled as part of an ongoing exploration program.

The location for this well falls outside the guidelines for the State of Utah spacing requirements. However, the site has been selected so as to allow the well bore to penetrate geological structures which have been identified by seismic interpretation. We therefore apply for an exception to the General State Spacing requirements on these grounds. Chuska Energy controls the acreage surrounding the proposed site, as indicated on the attached land plat.

Please advise if you require additional information concerning this application. Chuska will greatly appreciate your prompt consideration.

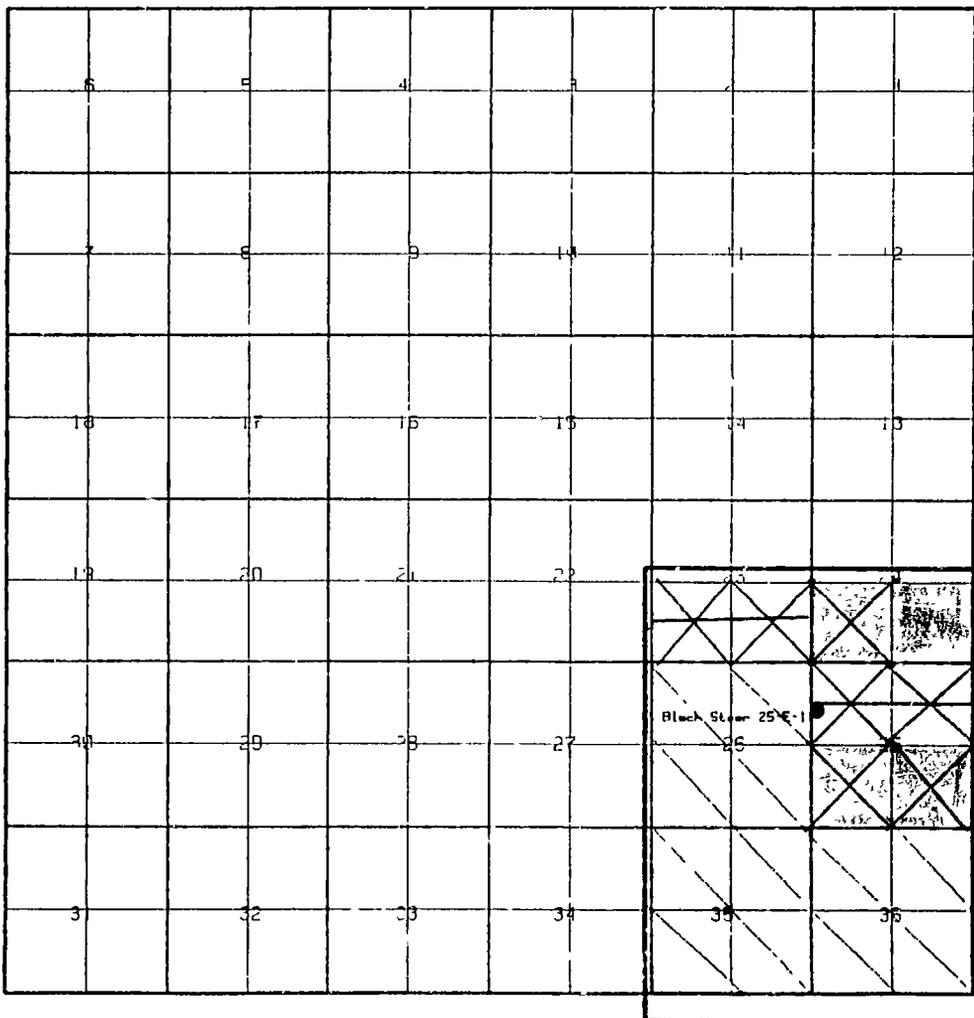
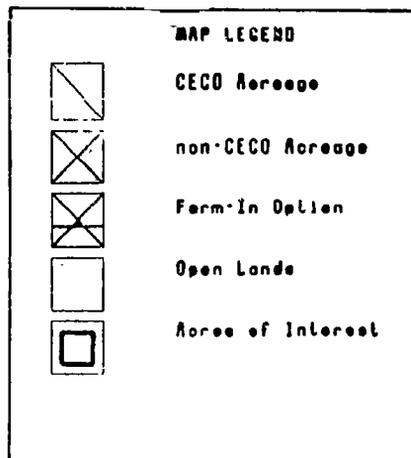
Sincerely,

Donald S. Barnes
Operations Manager

DSB/csw

File: C:\WP\CSWH\BSTR25E1\UTAHCOVR

T39S-R25E
San Juan County
Utah



CHUSKA ENERGY COMPANY

10 POINT DRILLING PLAN

Black Steer 25E Well No. 1
Section 25, Township 39S, Range 25E
2012 FNL, 63' FWL
San Juan County, Utah

1. SURFACE FORMATION

Geological name of surface formation: Dakota SS/Burro Canyon.

2. ELEVATION

Surface elevation is 5,214 GR.

3. ESTIMATED FORMATION TOPS

<u>Depth</u>	<u>Formation</u>	<u>Sub Sea Elevation</u>	
Surface	Dakota/Burro Canyon		+
14	Morrison	+ 5200	
812	Navajo	+ 4402	
1827	Chinle	+ 3387	
2884	DeChelly	+ 2330	
3540	Cedar Mesa	+ 1674	
739	Hermosa	+ 475	
5,084	Upper Ismay	- 470	Primary Target
5832	Lower Ismay	- 618	
5919	Desert Creek	- 705	
6310	Total Depth	- 1096	

4. PROPOSED CASING/CEMENTING PROGRAM

	<u>Depth</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Coupling</u>
Surface	500	8 5/8"	24.0 ppf	K-55	STC
Production:	6310	5 1/2"	15.5 ppf	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 will be calculated at 100% excess over annular volume.

Production Cementing:

First Stage

TD to 3500 (stage collar @ ± 3500'). Lead with 207 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 498 ft³.

Second Stage

3500 to surface Lead with 271 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 616 ft³.

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.

5. BLOWOUT PREVENTER (See attached schematics)

As abnormal pressure is not anticipated, a 2000 psi BOP system would be sufficient for the drilling of this well. However, due to availability constraints, 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 without rig power, will be required as part of the rig equipment.

6. PROPOSED MUD PROGRAM

Surface to 3500

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

3500' to Total Depth

Low solids, non-dispersed polymer system. Weight 8.6 - 8.8 ppg. Gel/lime sweeps as hole conditions dictate for hole cleaning. Fluid loss to be maintained at 15 cc or less. Fluid loss to be further reduced to 10 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

Open hole electric logging program will consist of a minimum program of DLL-MSFL-SP-GR-Cal, FDC-CNL-GR-Lithodensity from TD to 4000 .

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 4000 to TD.

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 4-1-90.

EXHIBIT "A"
BLOWOUT PREVENTER

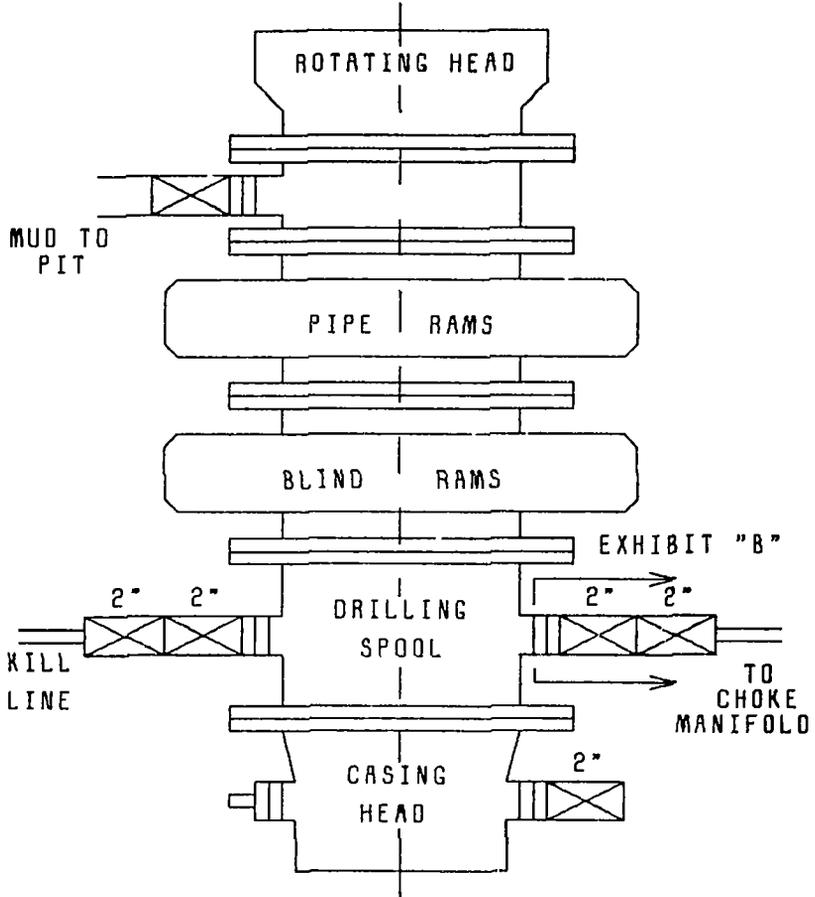
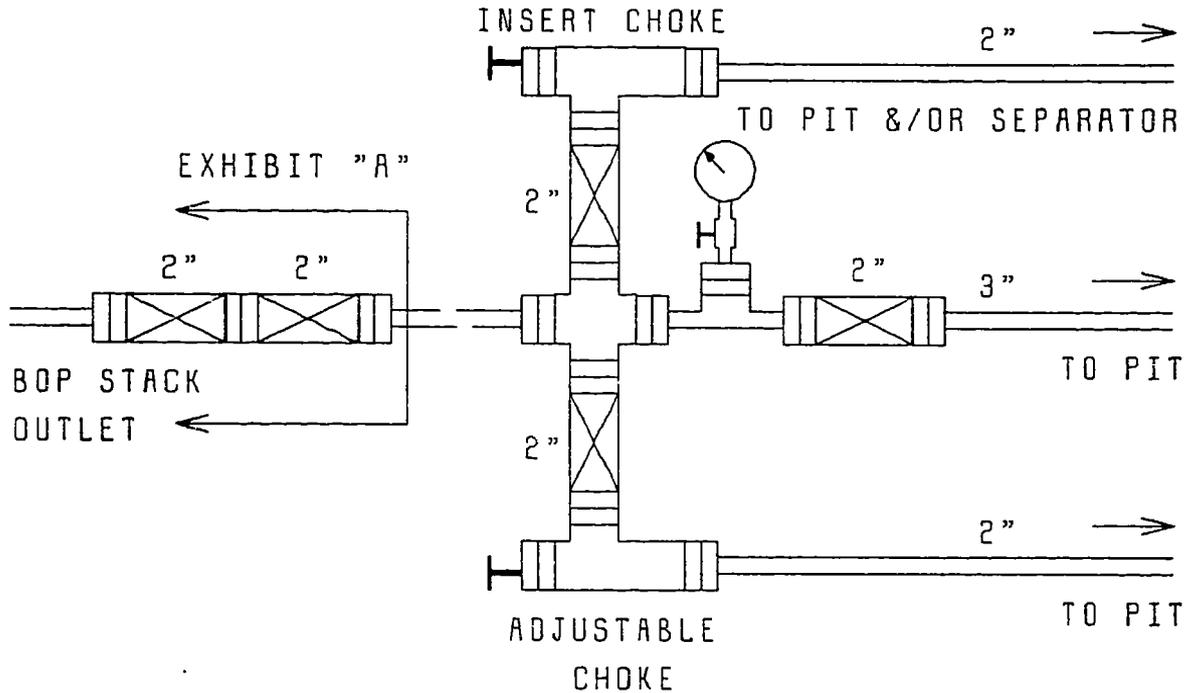


EXHIBIT "B"
CHOKE MANIFOLD



DETAILED DRILLING PROGRAM

DATE: February 22, 1990

WELL NAME: Black Steer 25E WELL NO.: 1

LOCATION: Section 25, Township 39S, Range 25E
2012 FNL, 63 FWL
San Juan County, Utah

ELEVATION: 5,214 GR

TOTAL DEPTH: 6,310

PROJECTED HORIZON: Primary target is Upper Ismay at 5,684'

DRILLING, CASING AND CEMENTING PROGRAM

1. Move in and rig up rotary tools. Notify BLM of time of spud and intent to run surface casing.
2. Drill mouse hole and rat hole. Mix mud prior to spudding well.
3. Drill 12 1/4" hole to \pm 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.
4. Run 8 5/8", 24 lb/ft, K-55, STC casing to TD. Cement with 371 sk (427 ft³) of Class G cement with 2% CaCl₂ and 1/4 lb/sk Celloflake (sufficient slurry volume to circulate cement to surface).
5. W.O.C. a minimum of 4 hours prior to nipping up BOP stack and related equipment. See BOP schematics for details.
6. Pressure test BOP to 2,000 psi for 30 minutes. Pressure test manifold and all related equipment to 2,000 psi. Pressure test casing to 1,500 psi for 30 min.
7. Drill out surface casing with 7 7/8" bit. Drill 7 7/8" hole to TD. Deviation surveys are to be taken every 500' or on a bit trip, whichever occurs first. Maximum allowable deviation will be 5 at TD, with the maximum allowable rate of change to be 1/100'.
8. Run open hole logs and evaluate. Drill stem testing will be as per the wellsite geologist's recommendation.

9. If the well is determined to be productive, run 5 1/2", 15.5 lb/ft, K-55, STC casing to TD. Set stage cementing collar at \pm 3,500'. Cement in two stages as per cementing program in 10-point Drilling Plan.
10. Nipple down BOPE. Set 5 1/2" casing slips and cut off casing. Install well head. Release drilling rig and move rig off location.
11. If well is non-productive it will be plugged and abandoned as per State, BLM and Navajo Tribal stipulations.

Black Steer 25E Well No. 1
Section 25, Township 39S, Range 25E
2012' FNL, 63' FWL
San Juan County, Utah

GENERAL COMPLETION PROCEDURE

If the well is determined to be productive, move in completion rig. Perforate, acidize, and test each productive porosity zone. Completion work will commence after Sundry Notice approval is received. Detailed procedures will follow.

PLUGGING AND ABANDONMENT

If the well is determined not to be productive, the well bore will be plugged as per BLM, State and Navajo Tribal requirements.

Black Steer 25E Well No. 1
Section 25, Township 39S, Range 25E
2012' FNL, 63' FWL
San Juan County, Utah

SURFACE USE PLAN

1. EXISTING ROADS

Shown on the attached topographic map are the existing roads in the immediate area. Outlined is the route to be followed on the Hovenweep road. Existing roads will be maintained, as necessary, while operations are in progress.

2. PLANNED ACCESS ROAD (SHOWN IN RED)

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. Approximately 5,000' of new road will be required to be constructed to the location pad.

3. LOCATION OF EXISTING WELLS & TANK BATTERIES

There are no other producing wells or facilities in the immediate area.

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

No production facilities are presently in place. Should the well prove to be productive, facilities (tank battery etc) will be sited on the drilling location pad.

5. LOCATION & TYPE OF WATER SUPPLY

Water will be acquired from a private source. The water will be hauled from a flowing well permitted to Hay Hot Oil Inc., permitted under Water Right 09-1419, A60809.

6. SOURCE OF CONSTRUCTION MATERIALS

The need for additional construction materials is not anticipated. In the event that additional materials are required, they will be acquired either from private sources or with the approval of the Navajo Nation.

7. METHODS OF HANDLING WASTE MATERIAL

Trash will be contained on location in an enclosed bin. It will be hauled to an approved disposal site or burned on location if a burning permit is granted. The reserve pit will be lined, with an approved 7 mil liner, for containing drilling fluids. The pit will also be fenced. All drilling fluids, cuttings and chemical waste will be stored in the reserve pit. Liquid hydrocarbons will be stored in temporary storage tanks and hauled from location to approved sales facilities. The reserve pit will be emptied, back filled and restored to natural terrain status upon completion of drilling operations.

8. ANCILLARY FACILITIES

Chemical portable toilet facilities will be provided on location during drilling and completion operations. No camps or air strips are planned for this well.

9. WELL SITE LAYOUT

Attached is a surveyor's staking plat, cut and fill requirements and a schematic of the proposed rig layout.

10. PLANS FOR RESTORATION OF THE SURFACE

The location is laid out on a generally east/west trend and will require up to 8' of cut on the southern side and reserve pit and up to 8' of fill in the north west corner. Top soil removed from the pad will be stored at the well site. A reserve pit will be built on terrain containing sparse native vegetation. After drilling operations are complete, drilling fluid in the reserve pit will be allowed to evaporate. All remaining fluid in the pit will be disposed of into an approved disposal site. The reserve pit will remain fenced during the evaporation and disposal process. The pit will then be covered and the topsoil will be returned to the disturbed area. The terrain will be returned as near to its original condition as possible. Following operations, rehabilitation seeding will be in accordance with APD/BLM/BIA stipulations. There are no residents in the immediate area of the site.

11.

OPERATORS REPRESENTATIVE

CHUSKA ENERGY COMPANY
315 NORTH BEHREND AVENUE
FARMINGTON, NEW MEXICO 87401
DONALD S. BARNES

12. CERTIFICATION

I hereby certify that either I, or persons under my direct supervision have inspected the proposed drill site and access route: that I am familiar with the conditions which presently exist: that the statements made in this plan are, to the best of my knowledge, true and correct and that the work planned will be performed by Chuska Energy, or its sub-contractors, in conformity with the terms and conditions under which it is approved.



DONALD S. BARNES
Operations Manager

CHUSKA ENERGY COMPANY

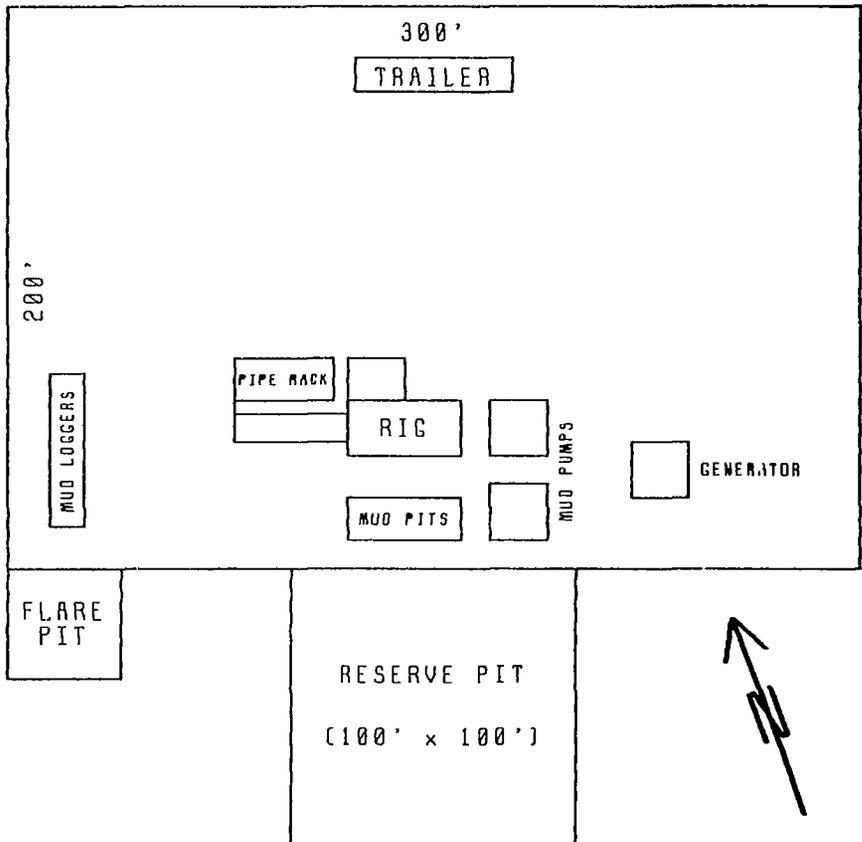
LOCATION LAYOUT

BLACK STEER 25E-1

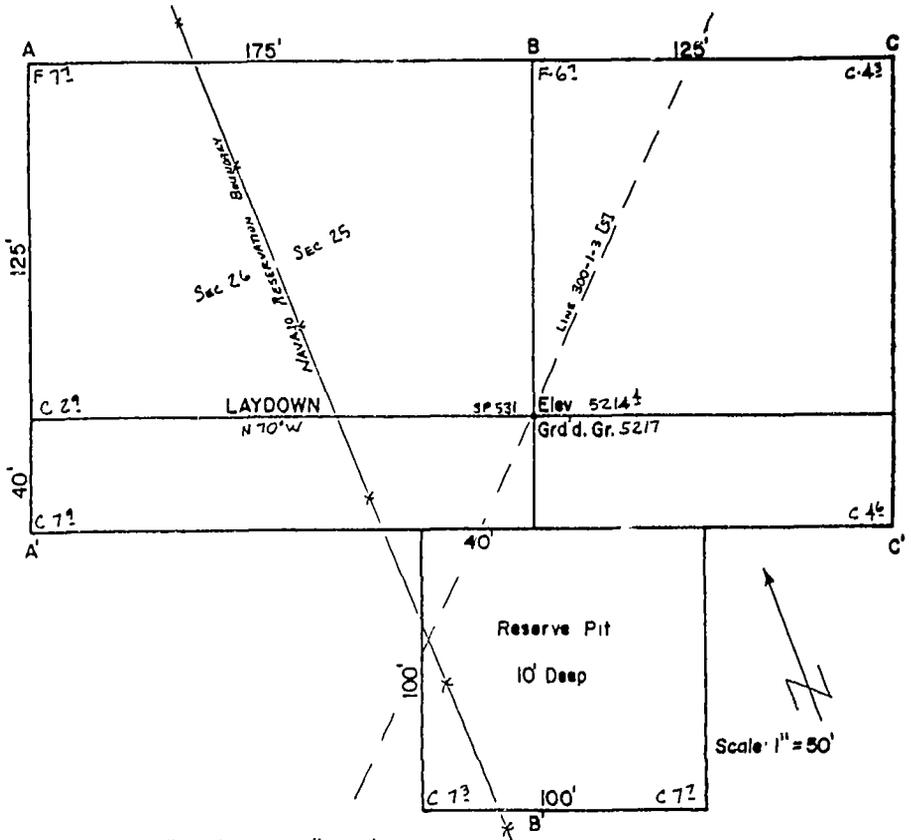
2012' FNL, 63' FWL

SECTION 25, TOWNSHIP 39S, RANGE 25E

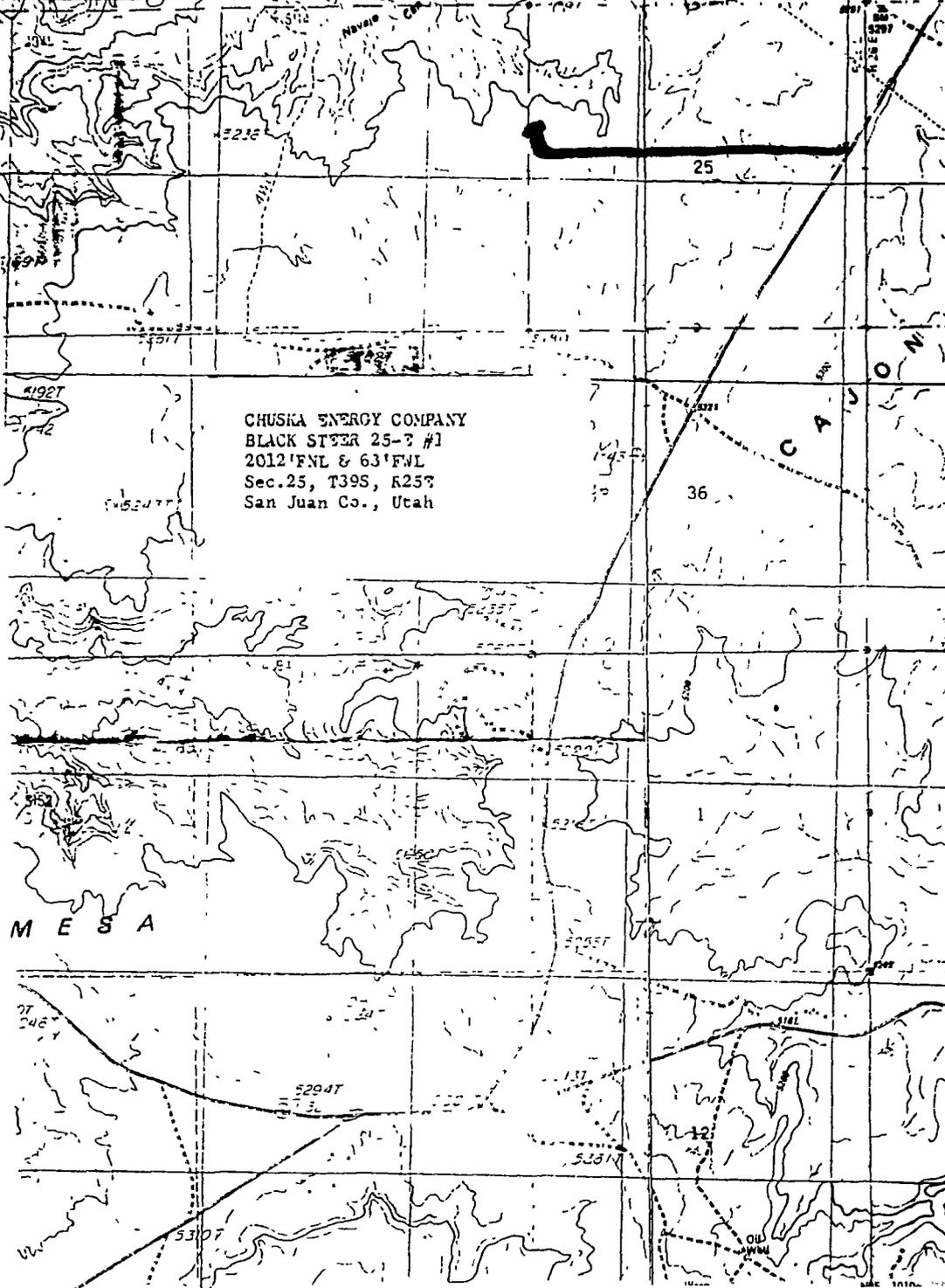
SAN JUAN COUNTY, UTAH



CHUSKA ENERGY COMPANY
 BLACK STEER 25-3 #1
 2012'FNL & 63'FWL
 Sec.25, T39S, R25E
 San Juan Co., Utah



A-A'	Vert 1" = 30'	Horiz 1" = 100'				
5220	-----	-----	-----			
5210	-----	-----	-----			
	-----	-----	-----			
	-----	-----	-----			
B-B'						
5220	-----	-----	-----			
5210	-----	-----	-----			
	-----	-----	-----			
	-----	-----	-----			
C-C'						
5220	-----	-----	-----			
5210	-----	-----	-----			
	-----	-----	-----			
	-----	-----	-----			



CHUSKA ENERGY COMPANY
 BLACK STEER 25-7 #1
 2012'FNL & 63'FWL
 Sec.25, T39S, R25E
 San Juan Co., Utah

M E S A

25

36

12

OIL

5235

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CHUSKA ENERGY COMPANY

315 N BEHREND • FARMINGTON, NEW MEXICO 87401 • PHONE. (505) 326-5525

RECEIVED

FEB 26 1990

WATER RIGHTS
PRICE

February 21, 1990

State of Utah
Water Rights Division
P.O. Box 718
Price, Utah 84501-0718

Attn: Mr Mark Page

Ref: Water Use Permits: Tower 1I-2 and Black Steer 25E-1 Wells

Dear Mr Page

Chuska Energy Company proposes to drill the subject wells commencing in April/May. We intend to haul water in tank trucks, utilizing Hay Hot Oil Service who will obtain water from their artesian well, details of which are as follows:

1050 FNL, 1575' FWL
S27 T40S R23E
San Juan County, Utah

Permit No: 09-1419 (A60809)

Anticipated water requirements are 0.9 acre-feet per well. Site locations are as detailed in the attached topographic map and staking plats.

Please advise if you require any further information.

Sincerely yours

Donald S. Barnes
Operations Manager

DSB/csw
File: C:\WP\CSWH\TOWER1I2\WATER

encl.

OPERATOR Chaska Energy Company (N9290) DATE 2-27-90

WELL NAME Black Steer 25E#1

SEC S1/4NW 25 T 39S R 25E COUNTY San Juan

43-037-31513
API NUMBER

Indian (2)
TYPE OF LEASE

CHECK OFF:

PLAT

BOND

NEAREST WELL

LEASE

FIELD

POTASH OR OIL SHALE

PROCESSING COMMENTS:

No other well within 920' (no other well in sec 25 E. 26)
Water Permit 09-1419 / A6080? (Hot Oil, Inc)
Exception location requested (4 1/2' Radius)
RDC - Process 3-23-90

APPROVAL LETTER:

SPACING: R615-2-3 N/A R515-3-2
UNIT

N/A R615-3-3
CAUSE NO. & DATE

STIPULATIONS:

CC BIA



STATE OF UTAH
NATURAL RESOURCES
Water Rights

Norman H. Bangert, Governor
Dee C. Hansen, Executive Director
Robert L. Morgan, State Engineer

Southeastern Area • 453 S. Carbon Avenue • P.O. Box 718 • Price, UT 84501-0718 • 801-637-1303

February 26, 1990

RE
FEB 28 1990
S. L. ...

Chuska Energy Company
Attn: Donald S. Barnes, Operations Manager
315 North Behrend
Farmington, New Mexico 87401

Re: Tower 1 I-2 - NE4SE4 Sec. 1, T40S, R25E, SLB&M
Black Steer 25 E-1 - SW4NW4 Sec. 25, T39S, R25E, SLB&M

Dear Mr. Barnes:

This letter will serve as authorization from this Division to proceed with the drilling at the two noted locations. It is understood that the drilling and maintenance water will be hauled to the sites by Hay Hot Oil Inc. under their existing water right 09-1419 (A60809). It is also noted on your request that 0.90 acre feet of water will be required at each location.

If you have any questions concerning this matter, please feel free to contact me.

Sincerely,

Mark P. Page
Area Engineer

cc: Lisha Romero, Div. of Oil, Gas & Mining
Jerry Howell, Hay Hot Oil Inc.

MPP/mjk

STATE ACTIONS

Mail to:
RDCC Coordinator
116 State Capitol
Salt Lake City, Utah 84114

1. ADMINISTERING STATE AGENCY
OIL, GAS AND MINING
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

2 STATE APPLICATION IDENTIFIER NUMBER:
(assigned by State Clearinghouse)

3 APPROXIMATE DATE PROJECT WILL START:
Upon Approval

4 AREAWIDE CLEARING HOUSE(S) RECEIVING STATE ACTIONS:
(to be sent out by agency in block 1)
Southeastern Utah Association of Governments

5 TYPE OF ACTION: Lease Permit License Land Aquisition
 Land Sale Land Exchange Other _____

6 TITLE OF PROPOSED ACTION
Application for Permit to Drill

7. DESCRIPTION:
Chuska Energy Company proposes to drill a wildcat well, the Black Steer 25E, on Navajo Tribal lease number NOG 8702-1116 in San Juan, County, Utah. This action is being presented to RDCC for consideration of resource issues affecting state interests. The U S Bureau of Land Management or the Bureau of Indian Affairs is the primary administrative agency in this case and must issue approval to drill before operations can commence.

8 LAND AFFECTED (site location map required) (indicate county)
SW/4 NW/4, Section 25, Township 39 South, Range 25 East, San Juan County, Utah

9 HAS THE LOCAL GOVERNMENT(S) BEEN CONTACTED?
Unknown

10 POSSIBLE SIGNIFICANT IMPACTS LIKELY TO OCCUR
Degree of impact is based on the discovery of oil or gas in commercial quantities

11 NAME AND PHONE NUMBER OF DISTRICT REPRESENTATIVE FROM YOUR AGENCY NEAR PROJECT SITE, IF APPLICABLE
Glenn Goodwin, Monticello, 587-2561

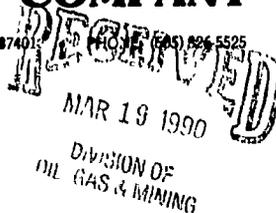
12 FOR FURTHER INFORMATION, CONTACT
John Baza
PHONE 538-5340

13 SIGNATURE AND TITLE OF AUTHORIZED OFFICIAL
DATE 3/9/90
Petroleum Engineer



CHUSKA ENERGY COMPANY

315 N BEHREND • FARMINGTON, NEW MEXICO 87401



March 13, 1990

State of Utah Department of Natural Resources
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Building, Suite 350
Salt Lake City, Utah 84180-1203

Ref: Sundry Notice - Black Steer 25E-1; Move Location

Gentlemen

Attached for your examination and approval is the original and two copies of the subject Sundry Notice.

As was the case with our original APD submission, this location falls outside the State spacing requirements. However, the well site has had to be moved to this location for archaeological considerations. This was the only location over the seismically identified structure which would satisfy archaeological concerns and still allow the well bore to penetrate the desired structure. Our application for an exception to State spacing requirements still holds, but with additional cause for moving the well.

Please advise if you require additional information concerning this application. Chuska will greatly appreciate your prompt consideration.

Sincerely,

Donald S. Barnes
Operations Manager

DSB/csw

File: C:\WP\CSWH\BLAKSTR2.5E1\MOVESUN.CVR

encl.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

LEASE DESIGNATION & SERIAL NO.
NOG 8702-1116

SUNDRY NOTICES AND REPORTS ON WELLS (1987)

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

IF INDIAN ALLOTTEE OR TRIBE NAME
Navajo Tribal

OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		UNIT AGREEMENT IS IN	
NAME OF OPERATOR Chuska Energy Company		FARM OR LEASE NAME Black Steer 25E	
ADDRESS OF OPERATOR 315 North Behrend, Farmington, New Mexico 87401		WELL NO. 1	
LOCATION OF WELL Report location clearly and in accordance with any state requirements. See also items 17 below. At surface 2077 FNL, 63' FWL		FIELD AND POOL OR WILDCAT Wildcat	
AS PROPOSED DEED, ZONE Same		SECTION, TOWNSHIP OR BLM AND SURVEY OR AREA S2S T39S R25E	
DEPTH OF WELL (Show whether SP or GR etc.) 5,217 GR		COUNTY San Juan	STATE Utah

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

NOTICE OF INTENTION TO		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FAILURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETES <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ALLODIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>	SHOOTING OR ALLODIZING <input type="checkbox"/>	ABANDON WELL* <input type="checkbox"/>
REPAIR WELL (Other) <input type="checkbox"/>	CHANGE PLANS <input checked="" type="checkbox"/>	(C) Yes _____ * See Report results of must file completion on well Completion or Resumption Report and Log Form	
APPROX DATE WORK WILL START 5-1-90		DATE OF COMPLETION _____	

17 DESCRIBE PROPOSED OR TO BE COMPLETED OPERATIONS (Clearly state all pertinent details and give pertinent dates, including estimated date of start and any proposed work if well is to be reworked or deepened and measured and give vertical depths for all markers and zones pertinent to the work)

* Must be accompanied by a cement verification report.

Due to the presence of an archaeological site on the original location, it has been necessary to move the well:

From: 2012 FNL, 63 FWL Elevation 5214 GR
To: 2077 FNL, 63 FWL Elevation 5217 GR

Refer to attached staking plat, cut and fill diagram and revised sequence of geological formations.

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

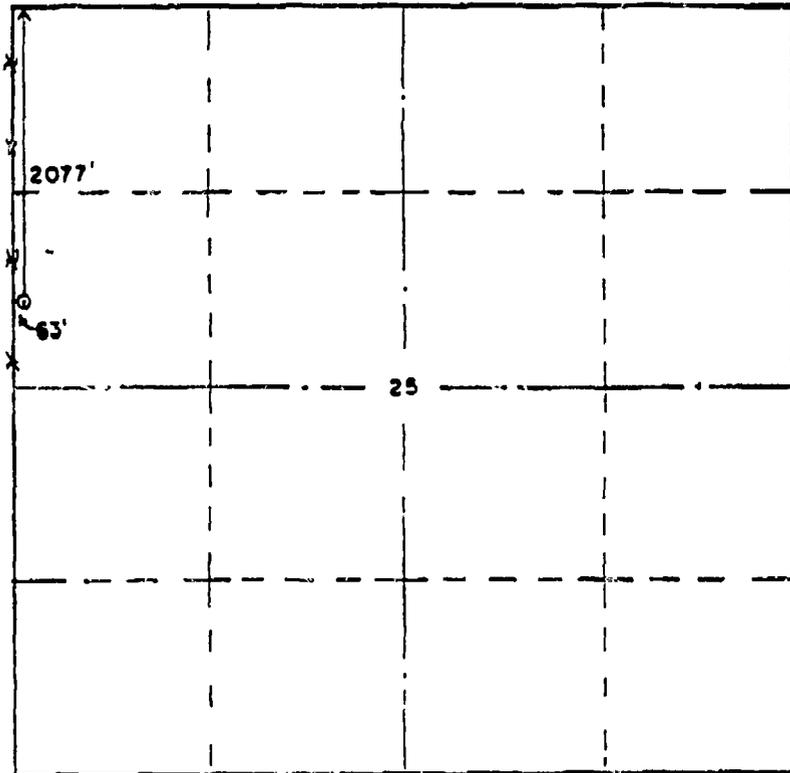
SIGNED Donald S. Barnes TITLE Operations Manager DATE 3-13-90

(This space for Federal or State Office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL (If any)

WELL LOCATION AND ACREAGE DEDICATION PLAT



1"=1000'

WELL LOCATION DESCRIPTION:
Chuska Energy Company, Black Steer 25 - E - 1
2077' FNL & 63' FNL
Section 25, T.39 S., R.25 E., SLM
San Juan County, Utah
5217' ground elevation



The above plat is based on a survey, by New Mexico LS 8466, as furnished by Chuska Energy.

12 March 1990

Gerald G. Huddleston
Gerald G. Huddleston, LS

CHUSKA ENERGY COMPANY

10 POINT DRILLING PLAN

Black Steer 25E Well No. 1
Section 25, Township 39S, Range 25E
2077' FNL, 63' FWL
San Juan County, Utah

1. SURFACE FORMATION

Geological name of surface formation: Dakota SS/Burro Canyon.

2. ELEVATION

Surface elevation is 5,217 GR.

3. ESTIMATED FORMATION TOPS

<u>Depth</u>	<u>Formation</u>	<u>Sub Sea Elevation</u>	
Surface	Dakota/Burro Canyon	+	
17'	Morrison	+ 5200'	
815'	Najavo	+ 4402'	
1830'	Chinle	+ 3387	
2887'	DeChelly	+ 2330	
3543	Cedar Mesa	+ 1674'	
4742	Hermosa	+ 475	
5687'	Upper Ismay	- 470	Primary Target
5835	Lower Ismay	- 618	
5922	Desert Creek	- 705	
6313	Total Depth	- 1096	

4. PROPOSED CASING/CEMENTING PROGRAM

	<u>Depth</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Coupling</u>
Surface	500'	8 5/8"	24.0 ppf	K-55	STC
Production:	6310	5 1/2"	15.5 ppf	K-55	STC

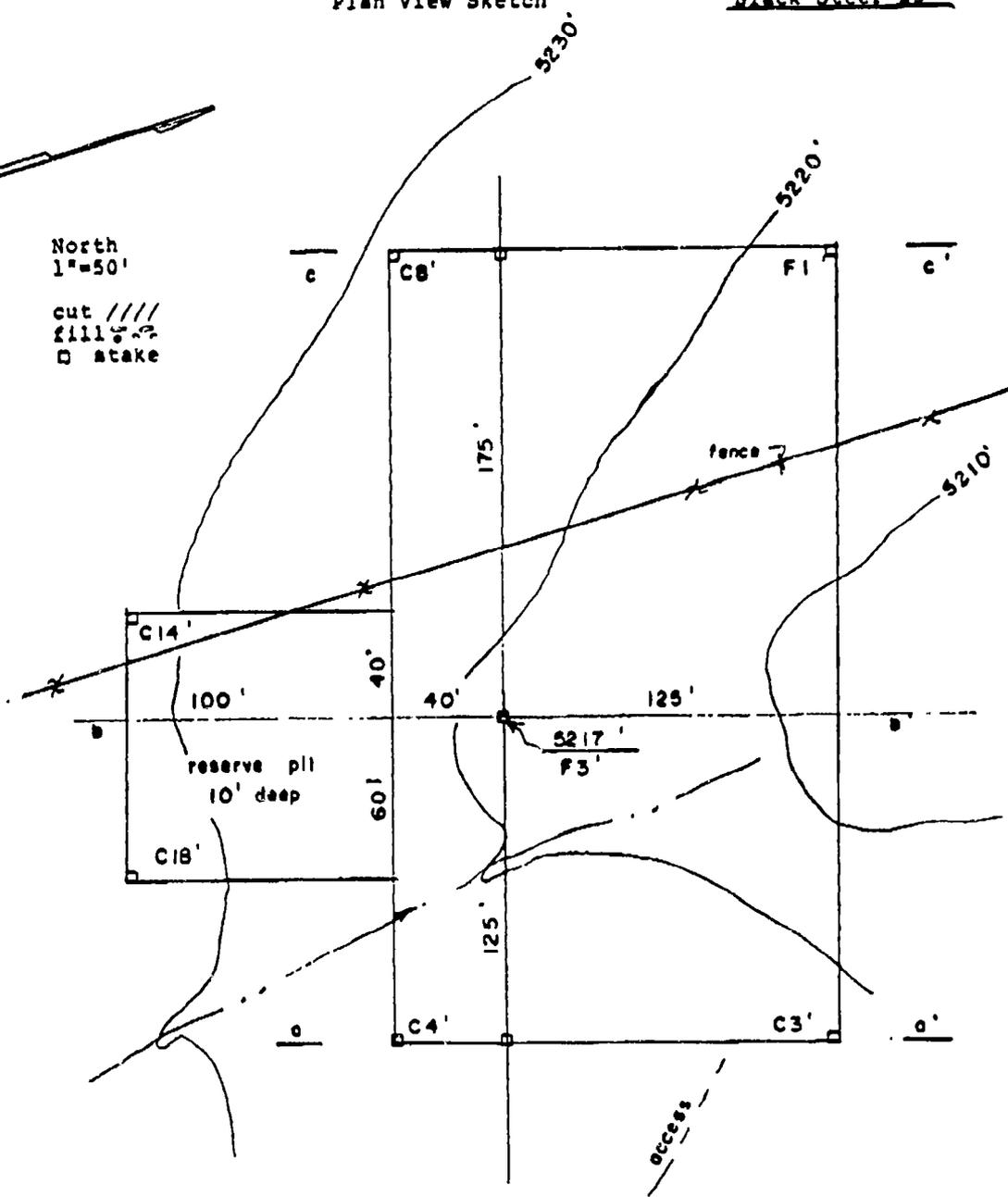
Plan View Sketch

Black Steer 25 -



North
1"=50'

cut *////*
fill *||||*
□ stake

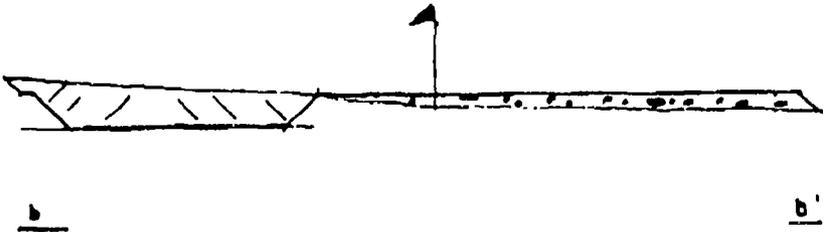
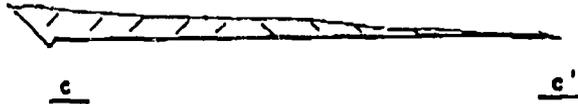


Cross Section

Black Steer 25 -

Cut 
Fill 

1"=50' Horz. & Vert.



SOUTHEASTERN UTAH ASSOCIATION OF LOCAL GOVERNMENTS

P.O. Drawer 1106, Price, Utah 84501 Telephone 632-5144

WILLIAM D HOWELL
Executive Director

AREAWIDE CLEARINGHOUSE A-95 REVIEW

NOI ___ Preapp ___ App ___ State Plan ___ State Action X Subdivision ___ (ASP # 3-313-1)

Other (indicate) _____ SAI Number _____

Applicant (Address, Phone Number).

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

Federal Funds.
Requested: _____

RECEIVED
MAR 20 1990

DIVISION OF
OIL GAS & MINING

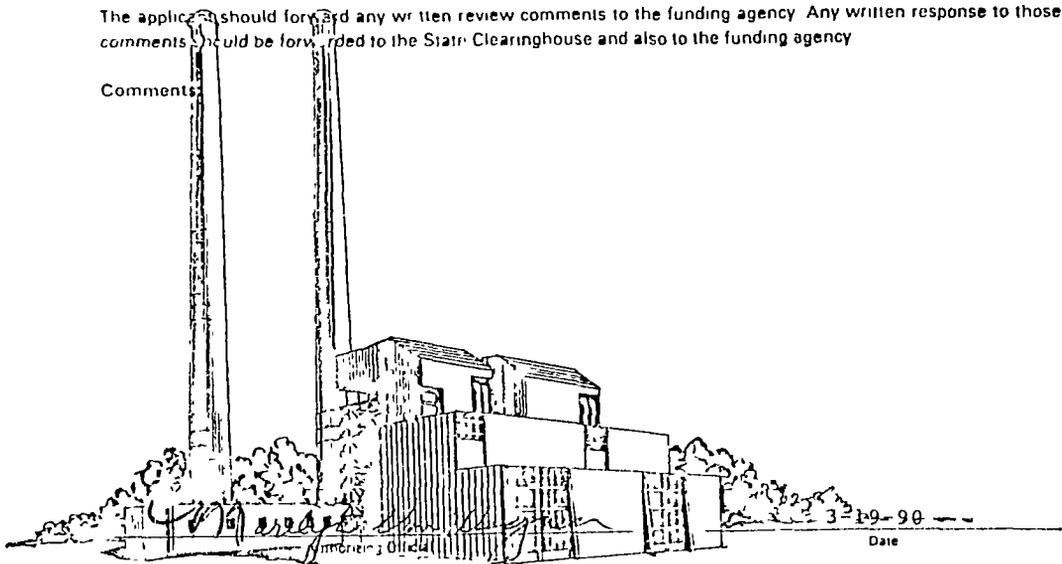
Title

APPLICATION FOR PERMIT TO DRILL (Chuska Energy Co.)

- No comment
- See comments below
- No action taken because of insufficient information
- Please send your formal application to us for review Your attendance is requested

The applicant should forward any written review comments to the funding agency. Any written response to those comments should be forwarded to the State Clearinghouse and also to the funding agency.

Comments:



3-21-90
Date

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

<p>SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use 'APPLICATION FOR PERMITS' for such proposals.)</p>		<p>3. LEASE DESIGNATION & SERIAL NO. NOG 8702-1116</p> <p>4. INDIAN ALLOTTEE OR TRIBE NAME Navajo Tribal</p> <p>5. UNIT AGREEMENT FILE NO.</p> <p>6. FARM OR LEASE NAME Black Steer 25E</p> <p>7. FIELD NO.</p> <p>8. FIELD AND POOL OR WILDCAT Wildcat</p> <p>9. SECTION, TOWNSHIP AND RANGE SURVEY OR AREA S25 T39S R75E</p> <p>10. COUNTY San Juan</p> <p>11. STATE Utah</p>
1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		
2. NAME OF OPERATOR Chuska Energy Company		
3. ADDRESS OF OPERATOR 315 North Behrend, Farmington, New Mexico 87401		
4. LOCATION OF WELL. Respect location clearly and in accordance with any state requirements. See also space (7) below. At surface: 2077 FNL, 63 FWL As proposed from lease: Same		
12. WELL DEPTH (SHOW WHETHER OF 1" OR 2" OR 3") 5,217' GR		

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

NOTICE OF INTENTION TO		SUBSEQUENT REPORT OF	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRAC TREATMENT <input type="checkbox"/>	MULTIPLE COMPLETES <input type="checkbox"/>	FRAC TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT <input type="checkbox"/>
REPAIR WFL <input type="checkbox"/>	CHANGE PLANS <input checked="" type="checkbox"/>	(Other) _____	
APPROX DATE WORK WILL START <u>5-1-90</u>		DATE OF COMPLETION _____	

Note: Report results of this well completion on all Completion or Recommendation Report and Log Form.

17. DESCRIBE PROPOSED OR SO PLANNED OPERATIONS (Clearly state well depth, casing and well cementation dates, including estimated date of starting and finishing work if well is directionally drilled. Also describe locations and measured and true vertical depths for all markers and points pertinent to this work.)

* Must be accompanied by a cement verification report

Casing program is being amended so as to set surface casing not less than 50 ft into the Chinle Formation. Refer attachment for details of revised casing and cementing program.

I hereby certify that the foregoing is true and correct.

SIGNED: Donald S. Barnes TITLE: Operations Manager DATE: 3-22-90

(This space for Federal or State Office Use)

APPROVED BY: _____ TITLE: _____

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 4-3-90
BY: Shirley R. Day

Federal approval of this action is required before commencing operations.

See Instructions On Reverse



Stat of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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

355 West North Temple
3 Trad Center, Suite 350
Salt Lake City, Utah 84180 1203
801 538 5340

March 23, 1990

Chuska Energy Company
315 North Behrend
Farmington, New Mexico 87401

Gentlemen.

Re. Black Steer 25E #1 - SW NW Sec. 25, T. 39S, R. 25E - San Juan County, Utah
2077' FNL, 63' FWL

Approval to drill the referenced well is hereby granted in accordance with Rule R615-3-3, Oil and Gas Conservation General Rules.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification within 24 hours after drilling operations commence
2. Submittal of an Entity Action Form within five working days following spudding and whenever a change in operations or interests necessitates an entity status change.
3. Submittal of the Report of Water Encountered During Drilling, Form 7.
4. Prompt notification if it is necessary to plug and abandon the well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or Jim Thompson, Lead Inspector, (Home) 298-9318.
5. Compliance with the requirements of Rule R615-3-20, Gas Flaring or Venting, Oil and Gas Conservation General Rules.
6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 538-6121.

Page 2
Ciniska Energy Company
Black Steer 25E #1
March 23, 1990

7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31513.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

lcr
Enclosures
cc: Bureau of Land Management
Bureau of Indian Affairs
D. R. Nielson
J. L. Thompson
WE14/6-7



CHUSKA ENERGY COMPANY

315 N BEHREND • FARMINGTON, NEW MEXICO 87401 • PHONE (505) 326-5525

RECEIVED
MAR 26 1990

22 March 1990

DIVISION OF
OIL, GAS & MINING

State of Utah Department of Natural Resources
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Building, Suite 350
Salt Lake City, Utah 84180-1203

Ref: Sundry Notice - Black Steer 25E-1: Revise Casing Program

Gentlemen

Attached for your examination and approval is the original and two copies of the subject Sundry Notice which is being submitted as a result of verbal advice to this office, from BLM Moab, on 16 March 1990.

Please advise if you require additional information concerning this application. Chuska will greatly appreciate your prompt consideration.

Sincerely,

Donald S. Barnes
Operations Manager

DSB/csw

File: C:\WP\CSWH\BLAKSTR.25E\DDEPSCSG.CVR

encl.

CHUSKA ENERGY COMPANY

10 POINT DRILLING PLAN

Black Steer 25E Well No. 1
Section 25, Township 39S, Range 25E
2077 FNL, 63 FWL
San Juan County, Utah

REVISED CASING/CEMENTING PROGRAM

	<u>Depth</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Coupling</u>
Conductor	80	13 3/8"	48.0 ppf	H-40	STC
Surface	1900	8 5/8"	24.0 ppf	K-55	STC
Production:	6313	5 1/2"	15.5 ppf	K-55	STC

Conductor Cementing

97 s. (112 ft³) Class G cement with 3% CaCl₂ and 1/4 lb/sk Celloflake. Weight = 15.8 ppg, yield = 1.15 ft³/sk. Slurry volume will be calculated at 100% excess over annular volume.

Surface Cementing:

1,376 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 will be calculated at 100% excess over annular volume. Circulate cement to surface.

Production Cementing:

First Stage

TD to 3500 (stage collar @ ± 3500). Lead with 207 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 498 ft³.

Second Stage

3500 to surface. Lead with 286 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 643 ft³. Circulate cement to surface.

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.



State of Utah

Division of State History
(Utah State Historical Society)
Department of Community and Economic Development

Norman H. Bangerter
Governor
Max J. Evans
Director

300 West Grand
Salt Lake City, Utah 84101-1162
801 533 5755

March 29, 1990

RECEIVED
APR 02 1990

DIVISION OF
OIL, GAS & MINING

Mr. John Baza
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

RE: Application for Permit to Drill, Black Steer 25E, Navajo Lease NOG
8702-1116

43-037-21513-0r1

215 215 25
C. J. B. B. B.

In Reply Please Refer to Case No. 90-0379

Dear Mr. Baza:

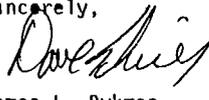
The Utah State Historical Preservation Office received information on the project referenced above on March 26, 1990. No prehistoric or historic sites have been recorded within the project area because no cultural surveys have been conducted. A low potential for finding cultural resources exists in the project area because the majority (c.50%) has been previously surveyed by project #145 and no sites were located.

It is your responsibility, as required by the Department of Housing and Urban Development, to determine the need for further actions, such as field surveys or records searches to identify historic properties. If you choose to do this, or if previously unidentified historic properties are encountered during the course of the project, we will be glad to comment on your evaluation of historic properties against the National Register criteria (36 CFR 60.4) should any historic structures or sites be found.

We will also assist in applying the criteria of effect as outlined in 36 CFR 800.5 and 800.9 to those properties found to be eligible for or listed on the National Register.

This information is provided on request to assist the Division of Oil, Gas and Mining, as required by the Department of Housing and Urban Development, in meeting the Section 106 requirements of the National Historic Preservation Act of 1966. If you have questions or need additional assistance, please contact me at (801) 533-7039.

Sincerely,


James L. Dykman
Regulation Assistance Coordinator

JLD-90-0379/8669V OR

c: RDCC

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

OPERATOR: CHUSKA ENERGY COMPANY LEASE: INDIAN
WELL NAME: BLACK STEER 25E #1 API: 43-037-31513
SEC/TWP/RNG: 25 39.0 S 25.0 E CONTRACTOR:
COUNTY: SAN JUAN FIELD NAME: WILDCAT

DRILLING/COMPLETION/WORKOVER:

Y	APD	WELL SIGN	HOUSEKEEPING	BOPE
-	SAFETY	POLLUTION CNTL	SURFACE USE	PITS
-	OPERATIONS	OTHER		

SHUT-IN	/ TA	:				
-	WELL SIGN	-	HOUSEKEEPING	EQUIPMENT *	-	SAFETY
-	OTHER					

ABANDONED:

-	MARKER	-	HOUSEKEEPING	-	REHAB	-	OTHER
---	--------	---	--------------	---	-------	---	-------

PRODUCTION:

-	WELL SIGN	-	HOUSEKEEPING	-	EQUIPMENT *	-	FACILITIES *
-	METERING *	-	POLLUTION CNTL	-	PITS	-	DISPOSAL
-	SECURITY	-	SAFETY	-	OTHER		

GAS DISPOSITION:

-	VENTED/FLARED	-	SOLD	-	LEASE USE
---	---------------	---	------	---	-----------

LEGEND: Y = YES/SATISFACTORY N = NO/UNSATISFACTORY A = NOT APPLICABLE

*FACILITIES INSPECTED:

CENTER STAKE AND LOCATION.

REMARKS:

NO SURFACE DISTURBANCE-WELL HAS NOT BEEN DRILLED.

ACTION:

INSPECTOR: GLENN GOODWIN

DATE: 11/17/92

ENTITY ACTION FORM - FORM 6

ADDRESS _____

ACTION CODE	CURRENT ENTITY NO	NEW ENTITY NO	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					00	SC	TP	RG	COUNTY		
A	99999	11538	43-037-31513	11 BLACK STEER 25E-1	SWNW	25	39S	25E	SAN JUAN		10-19-93
WELL 1 COMMENTS:											
A	99999	11539	43-037-31495	12 TOWER #1J-1	NWSE	1	40S	25E	SAN JUAN		10-19-93
WELL 2 COMMENTS:											
A	99999	11540	43-037-31551	13 SE NAVAJO CYN 3C #1	NENW	3	40S	25E	SAN JUAN		10-19-93
WELL 3 COMMENTS:											
A	99999	11541	43-037-31620	14 CAJON MESA 5L	NWSW	5	40S	25E	SAN JUAN		10-19-93
WELL 4 COMMENTS:											
A	99999	11542	43-037-31621	15 SOUTH TRIANGLE 7I	NESE	7	40S	25E	SAN JUAN		10-19-93
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)

L. CORDOVA (DOGM)
Signature
ADMIN. ANALYST 10-19-93
Title Date

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

Phone No. () _____

FEBRUARY 8, 1994

TO: WELL FILE

FROM: K. M. HEBERTSON

RE: Status, Black Steer 25E-1 43-037-3151J 25-39S-25E

Per telephone conversation with the operator concerning the status of this well, it was determined that the well will not be drilled and the operator has acknowledged that the APD has expired. The operator has been informed that the APD will need to be refilled in order to drill this well at a future date.

As of the above date the APD has been rescinded and the file sent to the IA archives.

KMH