

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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
 SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 Chevron U.S.A. Inc.

3. ADDRESS OF OPERATOR
 P. O. Box 599, Denver, CO 80201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface
 1800' FNL, 1700' FEL (SW/NE)
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 12.1 Northwest of Crescent Junction, Utah

15. DISTANCE FROM PROPOSED*
 LOCATION TO NEAREST
 PROPERTY OR LEASE LINE, FT.
 (Also to nearest drig. unit line, if any) 840'

16. NO. OF ACRES IN LEASE
 1440

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.

19. PROPOSED DEPTH
 5850' *chime*

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5162 Ungraded Ground Elevation

22. APPROX. DATE WORK WILL START*
 September 1, 1987

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8"	47#	500'	To Surface
8 1/2"	7"	26#	5750'	To Surface

It is proposed to drill this exploratory well to a depth of 5850' for the purpose of testing the Navajo formation.

- Attachments: Certified Plat
 Drilling Program
 Chevron Class III BOPE
 Geologic Program
 Multipoint Surface Use Plan

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

DATE: 9-4-87
John R. Bays
 WELL SPACING: 40/5-3-3

RECEIVED
 AUG 10 1987
 DIVISION OF OIL
 GAS & MINING

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

24. SIGNED *J. A. Titlow* TITLE Office Assistant DATE August 3, 1987

(This space for Federal or State office use)
 PERMIT NO. 43-019-31245 APPROVAL DATE

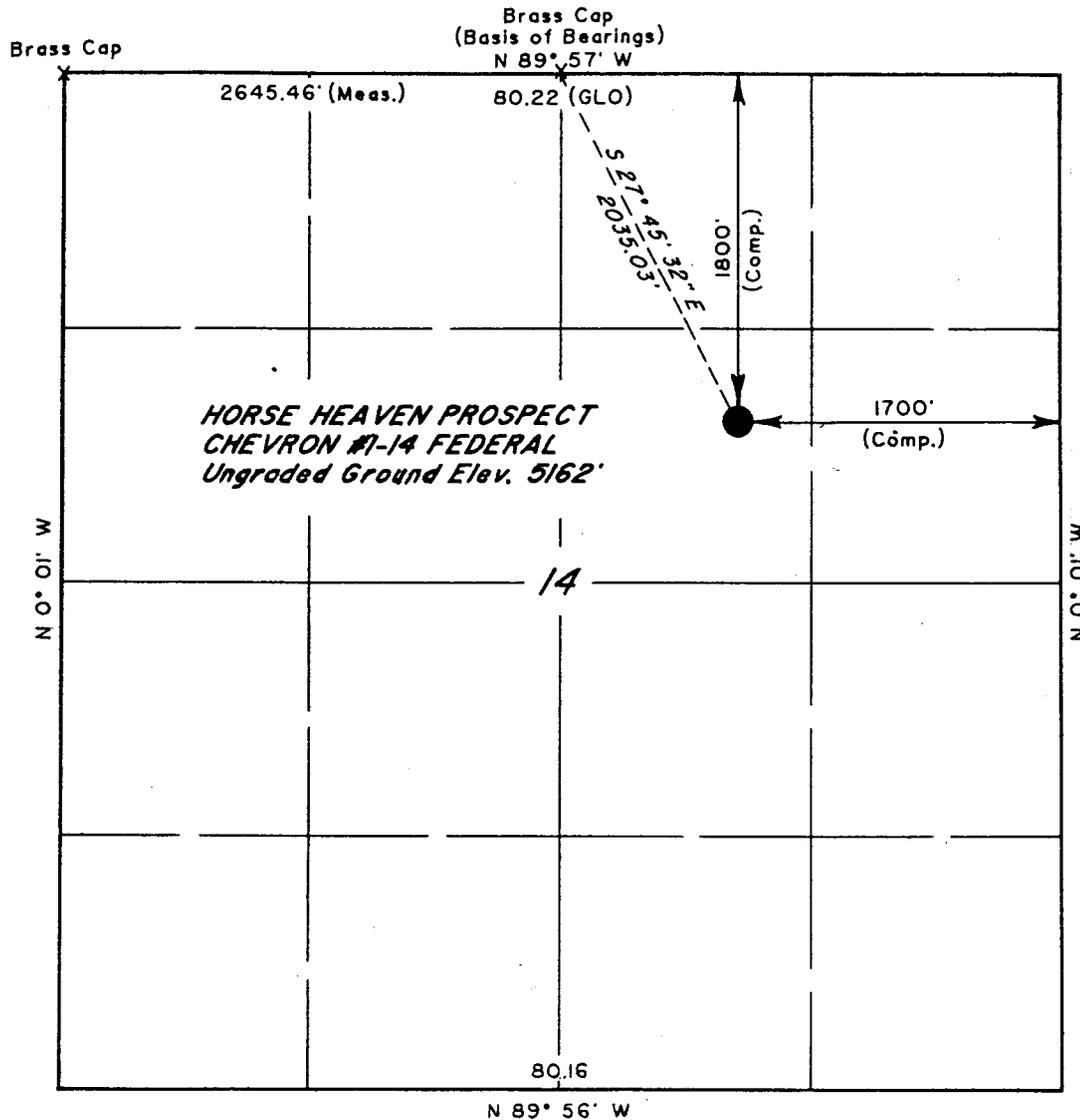
APPROVED BY _____ TITLE _____ DATE _____
 CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

T 21 S, R 18 E, S.L.B. & M.

PROJECT
CHEVRON U.S.A. INC.

WELL LOCATION, HORSE HEAVEN PROSPECT
CHEVRON #1 - 14 FED., LOCATED AS SHOWN
IN THE SW 1/4 NE 1/4, SECTION 14, T 21 S, R 18 E,
S.L.B. & M., GRAND CO., UTAH.



BASIS OF ELEVATION

BENCH MARK #X-15, 1927, LOCATED IN THE SE 1/4, SECTION 4,
T 22 S, R 18 E, S.L.B. & M., SAID BENCH MARK IS SHOWN ON
THE CRESENT JUNCTION QUADRANGLE, UTAH - GRAND COUNTY
15 MINUTE QUADRANGLE TOPOGRAPHY MAP PUBLISHED BY THE
U.S. DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY IN
1958. SAID B.M. ELEVATION IS MARKED AS BEING 4624.33'



CERTIFICATE

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

[Handwritten Signature]

REGISTERED LAND SURVEYOR
REGISTRATION NO 2454
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P. O. BOX Q - 85 SOUTH - 200 EAST
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 7-6-87
PARTY RK KH DLS	REFERENCES GLO
WEATHER FAIR	FILE CHEVRON

X = LOCATED
SECTION CORNERS

Elev. Ref. Point 200' N 75° 45' 54" E - 5179.54
Elev. Ref. Point 250' N 75° 45' 54" E - 5185.48



Chevron U.S.A. Inc.

6400 South Fiddler's Green Circle, Englewood, CO 80111, P. O. Box 599, Denver, CO 80201

August 10, 1987

Chevron 1-14 Federal
Section 14, T21S, R18E
Grand County, Utah

Bureau of Land Management
Grand Resource Area
Attention Jeff Robbins
P.O. Box 970
Moab, Utah 84532

State of Utah
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-12303

Gentlemen:

Chevron requests the information contained in the Application for Permit to Drill the above captioned well dated August 3, 1987, be held confidential for a period of one year unless otherwise notified by us.

Thank you for your cooperation.

for J.A. Watson

D.F. Forsgren
Environmental, Safety, Fire
& Health Coordinator

JLW:mp

RECEIVED

AUG 13 1987

**DIVISION OF OIL
GAS & MINING**

CONFIDENTIAL

000801

OPERATOR Cherrow USA Inc DATE 8-13-87

WELL NAME Cherrow Fed. 1-14

SEC SWNE 14 T 215 R 18E COUNTY Grand

43-019-31245
API NUMBER

Fed.
TYPE OF LEASE ON 07-13-89

CONFIDENTIAL
PERIOD
EXPIRED

CHECK OFF:

PLAT

BOND

NEAREST WELL

LEASE

FIELD

POTASH OR OIL SHALE

PROCESSING COMMENTS:

No other well in Sec. 14
Need water permit
Letter of exception Rec 8/27/87

APPROVAL LETTER:

SPACING: R615-2-3 _____ UNIT

R615-3-2

_____ CAUSE NO. & DATE

R615-3-3

STIPULATIONS:

1- Water



Chevron U.S.A. Inc.

6400 South Fiddler's Green Circle, Englewood, CO 80111, P. O. Box 599, Denver, CO 80201

August 25, 1987

W. M. Balkovatz
Associate Regional Counsel

RECEIVED

'AUG 27 1987

DIVISION OF OIL
GAS & MINING

Ms. Marjorie L. Anderson, Secretary
Board of Oil, Gas and Mining
State of Utah
Department of Natural Resources
3 Triad Center, Suite 302
Salt Lake City, UT 84180-1203

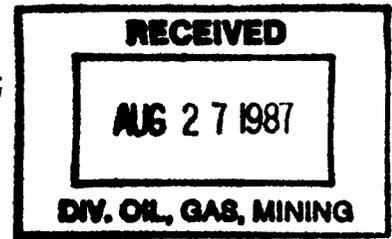
Dear Ms. Anderson:

In compliance with Rule 6(f) of the Board's Procedural Rules, enclosed is the original and 12 copies of the Petition of Chevron U.S.A. Inc. to drill a well as an exception to the location requirements of Rule 302 contained in the Board's General Rules.

Very truly yours,

WMB:js
Enclosure

BEFORE THE BOARD OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH



IN THE MATTER OF THE PETITION OF
CHEVRON U.S.A. INC., FOR ADMINISTRATIVE
APPROVAL TO DRILL A WELL AS AN
EXCEPTION TO THE LOCATION REQUIREMENTS
OF RULE 302

)
) DOCKET NO. ~~87-1000~~
) CAUSE NO. _____
)
)

PETITION

COMES NOW PETITIONER, CHEVRON U.S.A. INC., by and through its undersigned attorney, and in support of this Petition respectfully states and alleges:

1. Chevron U.S.A. Inc. is a corporation organized and existing under the Laws of the State of Pennsylvania, and is duly authorized to and is conducting business in the State of Utah.

2. The proposed exception location in the SW $\frac{1}{4}$ NE $\frac{1}{4}$, of Section 14, Township 21 South, Range 18 East, S.L.B&M, Grand County, Utah, will serve to mitigate environmental damage and will also serve to minimize the drilling costs because the authorized Rule 302 location is near a sharp drop-off into a wash which would require the movement of a large amount of dirt and rock.

3. Attached hereto as Exhibit "A" and by this reference made a part hereof, is a plat showing:

- a) The location at which an oil or gas well could be drilled in compliance with Rule 302;
- b) The location at which Petitioner requests administrative permission to drill;
- c) The location at which oil or gas wells have been or could be drilled in accordance with Rule 302, directly or diagonally offsetting the proposed exception location, and

d) the names of "Owners" as defined in Section 40-6-2(7) of the Utah Oil and Gas Conservation Act, within a 460 foot radius of the proposed exception location.

4. Petitioner, as shown on Exhibit "A," is the only "Owner" within a radius of 460 feet of the proposed exception location; accordingly, the written consent of such "Owners" within such radius as required by Rule 302.1(2) for administrative authority to drill at the proposed exception location is not applicable.

WHEREFORE, Petitioner respectfully requests administrative approval, pursuant to Rule 302.1(a), to drill the proposed well at the location shown on Exhibit "A" as an exception to the location requirement of Rule 302.

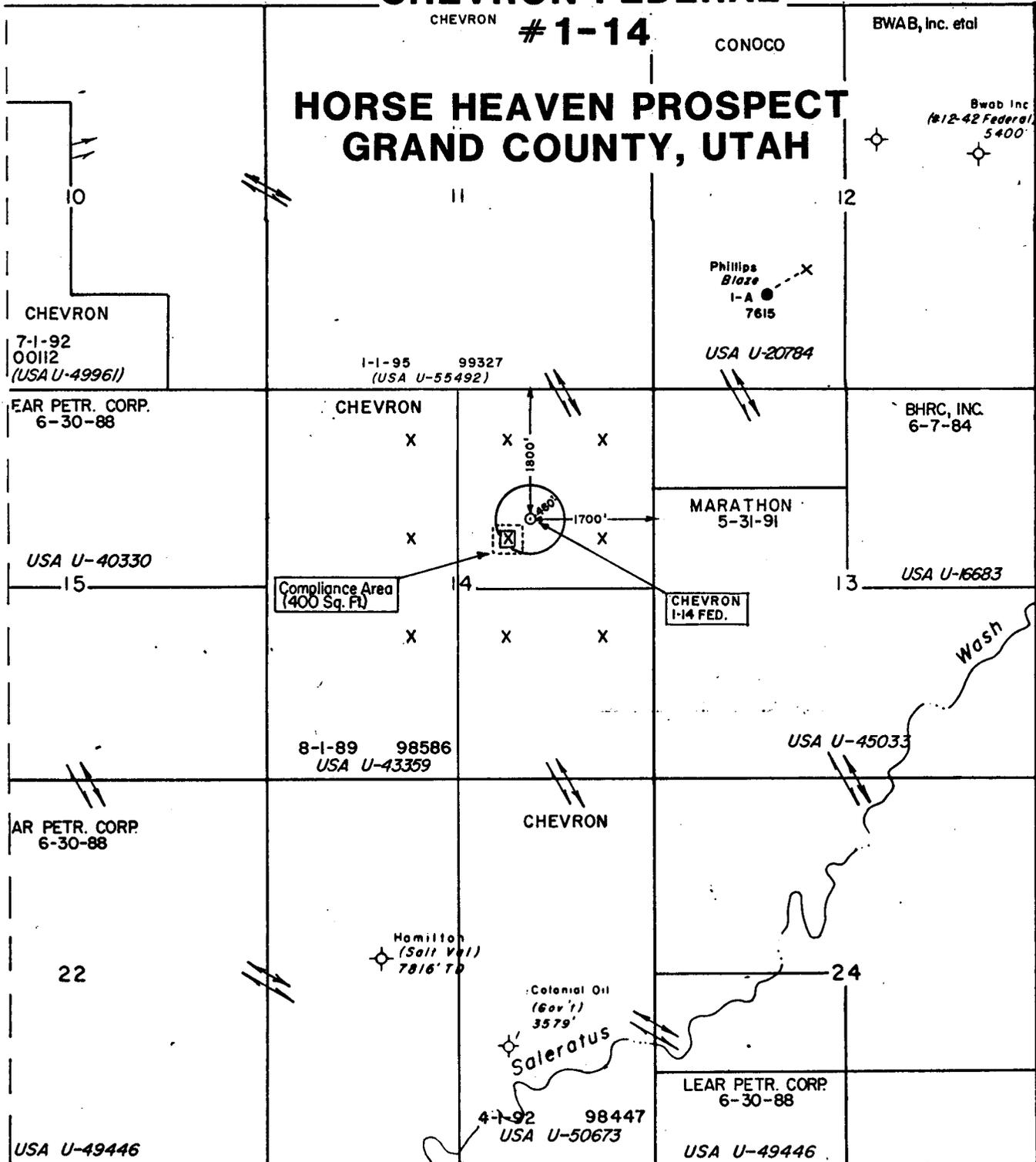
DATED this 25th day of August, 1987.

CHEVRON U.S.A. INC.

By W. M. Balkovatz
W. M. Balkovatz
Its Attorney
P.O. Box 599
Denver, CO 80201
(303) 930-3065

EXHIBIT "A"

EXCEPTION TO RULE 302 CHEVRON FEDERAL



T
21
S

R 18 E

- ⊙ - LOCATION WHICH APPLICANT REQUESTS TO DRILL
- ☒ - AUTHORIZED LOCATION
- X - LOCATIONS WHICH COULD BE DRILLED
IN COMPLIANCE WITH RULE 302

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO. U-55492	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
7. UNIT AGREEMENT NAME	
8. FARM OR LEASE NAME Horse Heaven proposed	
9. WELL NO. Chevron 1-14 Federal	
10. FIELD AND POOL, OR WILDCAT Horse Heaven Wildcat	
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 14, T21S R18E	
12. COUNTY OR PARISH Grand	13. STATE Utah

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 SINGLE ZONE MULTIPLE ZONE

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Chevron U.S.A. Inc.

3. ADDRESS OF OPERATOR
P. O. Box 599, Denver, CO 80201

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20. ROTARY OR CABLE TOOLS Rotary	21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5162 Ungraded Ground Elevation

22. APPROX. DATE WORK WILL START*
September 1, 1987

23. PROPOSED CASING AND CEMENTING PROGRAM

RECEIVED
AUG 27 1987
BUREAU OF OIL
& GAS

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24. SIGNED J. J. Watson TITLE Office Assistant DATE August 3, 1987

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE AUG 25 1987
/s/ Kenneth V. Rhea TITLE Acting District Manager

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

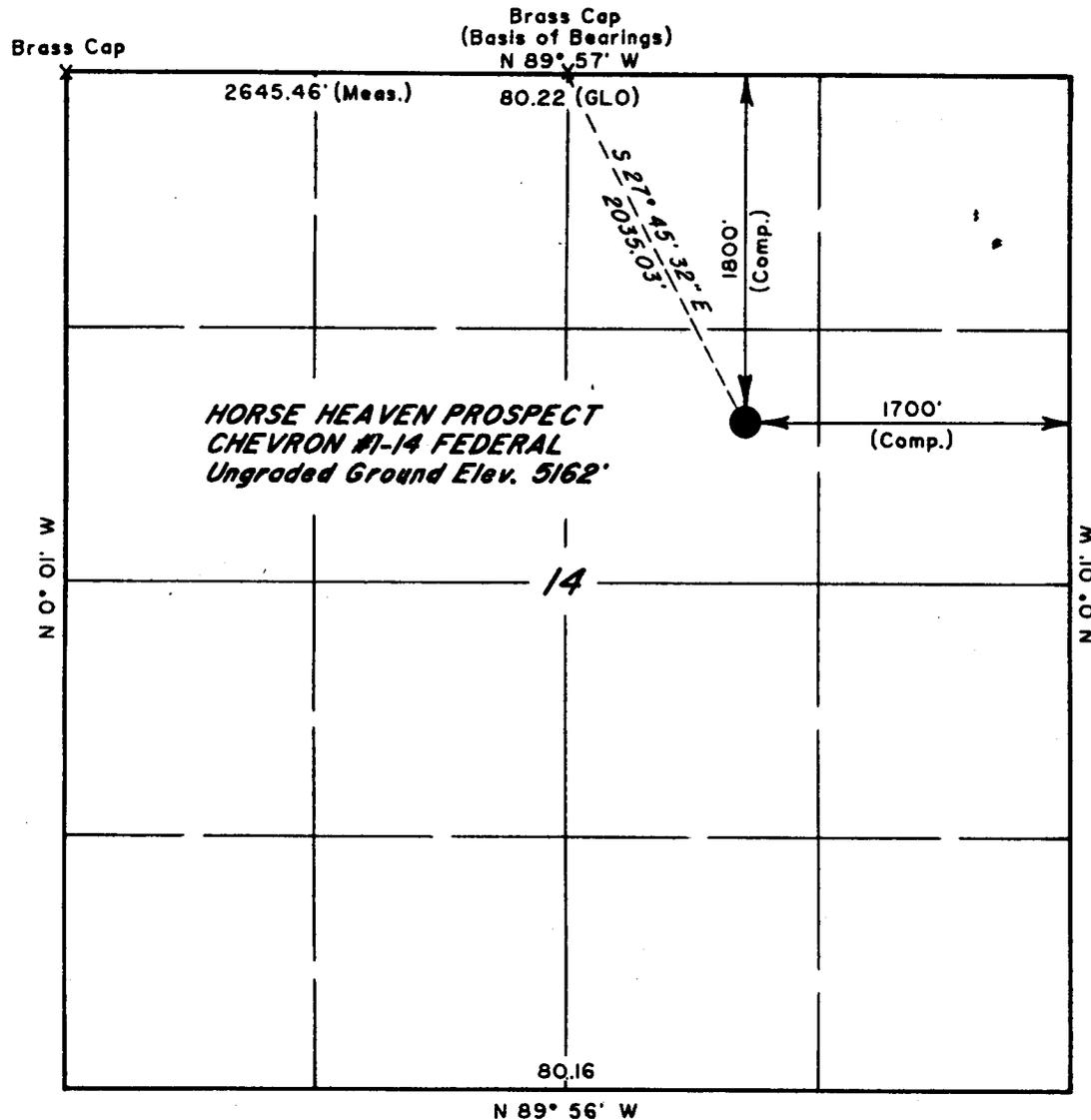
FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A DATED 1/1/80
 CONDITIONS OF APPROVAL ATTACHED
 *See Instructions On Reverse Side
 SUBJECT TO RIGHT OF WAY APPROVAL

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.

T 21 S, R 18 E, S.L.B. & M.

PROJECT
CHEVRON U.S.A. INC.

WELL LOCATION, HORSE HEAVEN PROSPECT
CHEVRON #1 - 14 FED., LOCATED AS SHOWN
IN THE SW ¼ NE ¼, SECTION 14, T 21 S, R 18 E,
S.L.B. & M., GRAND CO., UTAH.



BASIS OF ELEVATION

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FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

[Signature]

REGISTERED LAND SURVEYOR
REGISTRATION NO 2454
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P. O. BOX Q - 85 SOUTH - 200 EAST
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 7-6-87
PARTY RK KH DLS	REFERENCES GLO
WEATHER FAIR	FILE CHEVRON

X = LOCATED
SECTION CORNERS

Elev. Ref. Point 200' N 75° 45' 54" E - 5179.54
Elev. Ref. Point 250' N 75° 45' 54" E - 5185.48

Chevron U.S.A., Inc.
Well No. Chevron 1-14 Federal
Sec. 14, T. 21 S., R. 18 E.
Grand County, Utah
Lease U-55492

CONDITIONS OF APPROVAL

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

A. DRILLING PROGRAM

All lease operations will be conducted in full compliance with applicable regulations (43 CFR 3100), Onshore Oil and Gas Order 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions and the approved plan will be made available to the field representative to insure compliance.

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the District Office. If operations are to be suspended, prior approval of the District Office will be obtained and notification given before resumption of operations.

The spud date will be reported orally to the District Office within a minimum of 24 hours prior to spudding. Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted to the District Office within 24 hours after spudding. If the spudding occurs on a weekend or holiday, the written report will be submitted on the following regular work day.

In accordance with Onshore Order No. 1 this well will be reported on Form 3160-6, "Monthly Report of Operations", starting with the month in which operations commence and continued each month until the well is plugged and abandoned. This report will be sent to the District Office, P. O. Box 970, Moab, Utah 84532.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported to the Area Office in accordance with requirements of NTL-3A.

If a replacement rig is needed for completion operations, a Sundry Notice (Form 3160-5) to that effect will be filed for prior approval from the District Office, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig. In emergency situations verbal approval to bring on a replacement rig will be approved through the District Office.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted to the District Office not later than thirty (30) days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the Moab District Manager.

If the well is to be completed for production the Area Office is to be contacted in order to set up a pre-production conference. When the well is placed in a producing status the District Office is to be notified by telegram or other written communication within five working days.

Approval to vent/flare gas during initial well evaluation will be obtained from the District Office. This preliminary approval will not exceed 30 days. Approval to vent/flare beyond this initial test period will require District Office approval pursuant to guidelines in NTL-4A.

No well abandonment operations will be commenced without the prior approval of the District Office. In the case of newly-drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the District Office. A Subsequent Report of Abandonment (Form 3160-5) will be sent to the District Office within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the Area Office, or the appropriate surface managing agency. Upon completion of approved plugging a dry hole marker will be erected in accordance with 43 CFR 3162.6. The top of the marker will be closed or capped. The following minimum information will be permanently placed on the marker; "Fed" or "Ind", as applicable, "Lease number", "Well number", location of well by 1/41/4 section, township, and range.

DRILLING PROGRAM

Field Horse Heaven Well Chevron #1-14 Exp/Dev EXPL.

Location Sect 14, T21S, R18E, Grand County, Utah.

Drill X Deepen _____ Elevations: GL ± 5040 KB ± 5060

Directional/Straight Hole: Proposed Measured TD 5850' TVD 5850'
KOP N/A Build N/A Max. Angle N/A Avg. Angle N/A
Target Location N/A Bearing from Surface N/A

1. Conductor Hole

Hole Size 26" Proposed Depth 80' Casing Size, Weight & Grade 16", 65#, H-40

2. Surface Hole

Hole Size 12 1/4" Proposed Depth 500' BOPE Chevron Diverter

Mud Program: Type MW FV WL Other
Gel-Water ± 8.6 ppg - N/C -

Potential Hazards: Lost Circulation

Electric Logging Program: None

Core/DST Program: None

Casing Program:

Size	Grade	Weight	Thread	Section Length
<u>9-5/8"</u>	<u>N-80</u>	<u>47#/Ft.</u>	<u>LT&C</u>	<u>500'</u>

Cement Program: ~~Lead Slurry~~

Tail Slurry Class H to surface - 15.8 ppg. - Tailored for Depth & Temp.

WOC Time 12 hrs. Casing Test 1500 psi Shoe test MWE Static - 9.0 ppg

3. Intermediate Hole

N/A

Hole Size _____ Proposed Depth _____ BOPE _____

Mud Program: Type _____ MW _____ FV _____ WL _____ Other _____

Potential Hazards: _____

Electric Logging Program: _____

Core/DST Program: _____

Casing Program:

Size	Grade	Weight	Thread	Section Length
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Cement Program: Lead Slurry
Tail Slurry

WOC Time _____ hrs. Casing Test _____ psi Shoe test MWE _____ ppg

4. Oil String/Liner Hole

Hole Size 8½" Proposed Depth 5850 BOPE Chevron Class III - 3000 psi W.P.
 Mud Program: Type MW FV WL Other
Gel-Water 8.8 ± 40 ± 15 cc ±

Potential Hazards: Lost Circulation
 Electric Logging Program: See attached Geologic Program.
 Core/DST Program: See attached Geologic Program

Casing Program: Dependent on Log, Core, and DST Analysis.

Size	Grade	Weight	Thread	Section Length
<u>7"</u>	<u>K-55</u>	<u>26#</u>	<u>LT&C</u>	<u>5750'</u>

Cement Program: Lead Slurry Class H w/ 16% Gel - 12.6 ppg - Tailored for Depth & Temp.
Tail Slurry Class H - 16.4 ppg - Tailored for Depth & Temp.
 WOC Time 12 hrs. Casing Test 2000 psi

5. Auxiliary Equipment

Mud Logging Unit @	<u>500'</u>	Rotating Head @	<u> </u>
Geolograph @	<u>Spud</u>	Degasser @	<u> </u>
Visulogger @	<u> </u>	Desilter @	<u>Spud</u>
Adj. Choke @	<u>500'</u>	Centrifuge @	<u> </u>
PVT & Flowmeter @	<u>Spud</u>	Mud Cleaner @	<u> </u>
Trip Tank @	<u>Spud</u>	H ₂ S Safety Equip. @	<u> </u>

Other: Upper and Lower Kelly Cock Valves, Inside BOP, Full opening drill pipe Safety Valve at Spud.

6. Drill String Design

Surface Hole:
 BHA Bit, 2-9" DC, Stab, 4-9" DC, 9-6 3/4" DC's
 Drill Pipe 4½" 16.60# E

Intermediate Hole:
 BHA N/A
 Drill Pipe N/A

Oil String/Liner Hole:
 BHA Bit, 2-6 3/4" DC's, STAB, 16-6 3/4" DC's.
 Drill Pipe 4½" 16.60# E&G Grades

7. Other

Inspect BHA after 200 rotating hours.
 In "straight" holes run inclination surveys every 300-500 feet.
 Gyro Surveys N/A.
 Check drilling breaks for flow below 1000 feet.
 Fill drill pipe every 20 stds when running float.

8. General Remarks

Attached

9. Geologic Program

Attached

Prepared By J. A. Kaas Date 7/29/87 Drilling Superintendent [Signature] Date 7-31-87

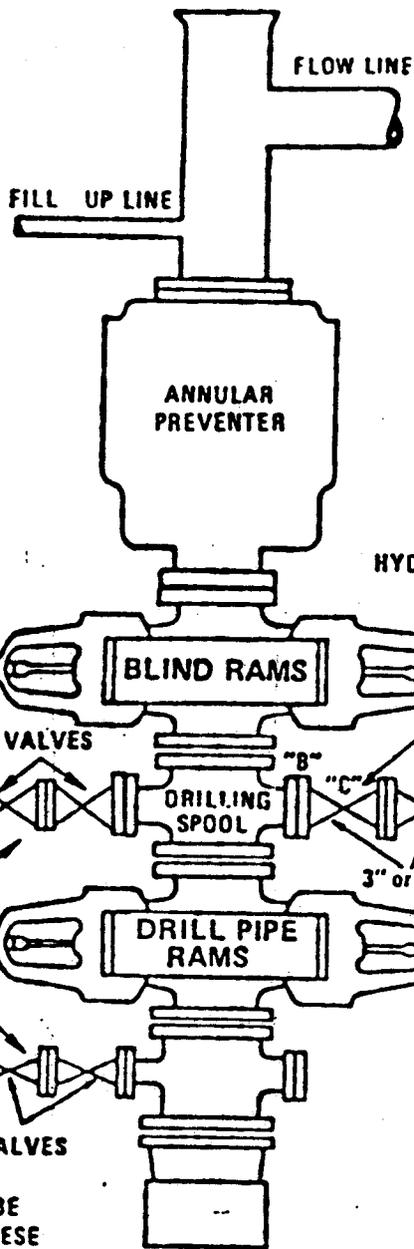
DRILLING PROGRAM ATTACHMENT

GENERAL REMARKS

1. Applicable Federal and State Regulations will be adhered to during the drilling of this well.
2. The drilling rig is to be level and the kelly centered over the hole before drilling operations commence. Check periodically during the drilling of the well to insure the rig stays level.
3. Prior to spud insure all toolpushers, drillers and crews are thoroughly familiar with and understand the Chevron procedure for handling well kicks.

In H₂S environments Chevron's contingency plan for your location is to be read, understood and adhered to. All personnel are to be thoroughly familiar with the use of air packs, the air supply system, locations of air packs and what to do in the event of sour gas to surface.
4. Test BOPE before drilling out and every seven days thereafter. Perform low pressure test (200 psi) and high pressure test. High pressure test should be 70% of BOPE working pressure or 70% of burst of last casing string, whichever is less. Record BOP tests on Tour Reports. Notify applicable Federal and State Regulatory Agencies 24 hours in advance of BOPE tests and record notification and names on Tour Reports.
5. Do not reuse ring gaskets. Replace with new Rx or Bx ring gaskets.
6. Separate full opening safety valves and inside BOP's are required for each size drill pipe in use. Test weekly with BOPE.
7. Run full open valve below kelly that can be run in the hole if necessary. Do not use this valve as a mud saver sub.
8. BOP controls are to remain in the open position during drilling operations.
9. Hold pit drills for each crew at least once every seven days and record on Tour Reports.
10. On trips fill the annulus before hydrostatic pressure drops 75 psi or every 5 stds of drill pipe, whichever is first. Use trip tanks to measure hole fill-up and monitor at all times.
11. Use drill pipe floats at all times unless your supervisor instructs otherwise.
12. Have wear ring installed in wellhead before tripping or rotating. Remember to remove wear ring before running casing or when testing BOPE.

13. Casing rams are to be installed and bonnets tested on last trip out before running casing.
14. Run pilot and thickening time tests with rig mixing water for all cement slurries prior to cementing operations.
15. Casing should be tested to 1,500 psi or 0.2 psi/ft., whichever is greater, prior to drilling out and recorded on Tour Reports. Discuss the test pressure with your supervisor and reference DM-49 before testing.
16. Drill out slick beneath each casing string. Drill deep enough to bury stabilization to be picked up.
17. Do not drill with hardbanded pipe inside of casing.
18. Do not run full gauge stabilizers. Run stabilizers 1/16" to 1/8" undergauge.
19. When necessary to work pipe, keep pipe moving up and down. Rotating alone is not considered sufficient.
20. Install and test full lubricator on all logging runs unless instructed otherwise by supervisor.
21. Fully describe damaged or lost equipment on Tour Reports.



WHILE DRILLING, BOTH VALVES ARE KEPT CLOSED

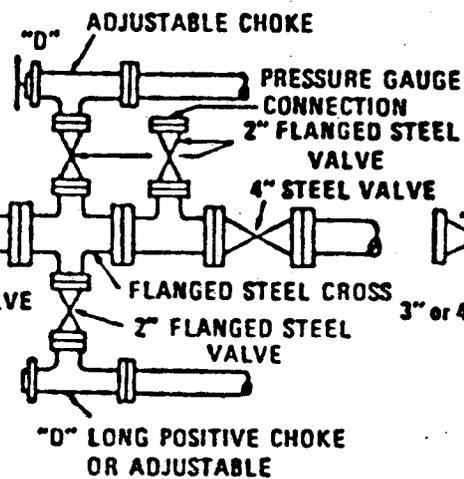
UNCOUPLED HALF UNION "E" 2" STEEL VALVES

CASING SPOOL SHOULD BE POSITIONED SO THAT THESE VALVES ARE DIRECTLY UNDER THE BARREL OF THE RAM PREVENTER.

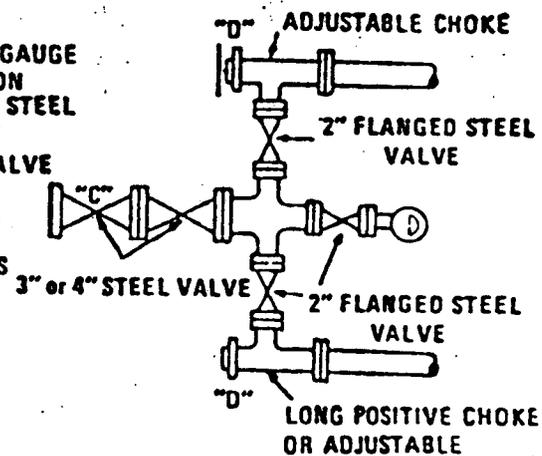
FIGURE 4
THREE PREVENTER HOOKUP
CLASS III

(PRESSURE RATING 3-5000 PSI AS REQUIRED)

EMERGENCY FLOW HOOKUP



ALTERNATE CHOKE MANIFOLD



AN EXTRA SET OF DRILL PIPE RAMS AND BONNET SEALS WILL BE ON LOCATION AT ALL TIMES.

Chevron U.S.A. Inc.
ROCKY MTN. PRODUCTION DIVISION

CHEVRON U.S.A. INC.

ROCKY MOUNTAIN PRODUCTION DIVISION

**GENERAL INSTRUCTIONS AND REQUIREMENTS FOR BLOWOUT
PREVENTION EQUIPMENT**

- I. **ACCEPTABLE ACCUMULATOR UNITS**
 - A. THE ACCUMULATOR SYSTEM MUST BE OF ADEQUATE CAPACITY TO CLOSE ALL HYDRAULIC BOP COMPONENTS WITH A 50% OPERATING FLUID RESERVE FOR A 3000, 2000, AND 1500 PSI SYSTEM. A MINIMUM ACCUMULATOR PRESSURE OF 1200 PSI WILL BE REQUIRED AFTER CLOSING ALL HYDRAULIC PREVENTER COMPONENTS WITH THE FLUID PUMPS SHUT OFF.
 - B. A VALVE SHALL BE PROVIDED FOR INTRODUCTION OF EMERGENCY ENERGY (SUCH AS BAKER HAND PUMP) FROM AN EXTERIOR SOURCE OTHER THAN THE ACCUMULATOR. A VALVE SHALL BE INSTALLED TO PREVENT FLOW FROM AN EXTERIOR SOURCE TO THE ACCUMULATOR UNIT.
- II. **CONTROL UNITS**
 - A. ALL VALVES TO BE CLEARLY LABELED TO INSURE PROPER OPERATION AND TO ELIMINATE THE POSSIBILITY OF CONFUSION. THESE VALVES ARE TO BE LEFT IN THE OPEN POSITION UNLESS OPERATING BOP COMPONENTS.
 - B. HANDWHEELS FOR PIPE AND BLIND RAMS SHALL BE CLEARLY LABELED AND IN PLACE AT ALL TIMES WITH CLEAR ACCESS. A BARRICADE SHALL BE INSTALLED FOR THE PROTECTION OF THE OPERATOR AT THESE MANUAL CONTROLS.
- III. **PREVENTER UNITS**
 - A. PRESSURE RATING OF BOP EQUIPMENT WILL BE AS STATED IN THE CONTRACT OR ON THIS DRAWING.
 - B. DRILLING NIPPLE AND BOP'S TO HAVE SUFFICIENT ID TO PASS HANGER FOR NEXT STRING OF CASING TO BE SET.
 - C. NEW API RX OR BX RING GASKETS TO BE USED EACH TIME A FLANGE IS ASSEMBLED.
 - D. FLANGE BOLTS ON BOP'S WILL BE CHECKED FOR TIGHTNESS AFTER PRESSURE TESTS AND ONCE A WEEK ON A ROUTINE BASIS.
 - E. PREVENTERS ARE TO BE WELL BRACED.
 - F. PRIOR TO RUNNING CASING, PIPE RAMS WILL BE CHANGED TO ACCOMMODATE SIZE OF CASING TO BE RUN.
 - G. CASINGHEAD SHALL BE INSTALLED SO KILL LINE VALVES WILL BE UNDER BOP'S FOR PROTECTION. KILL LINE VALVES TO BE KEPT CLOSED AFTER PRESSURE TESTS.
 - H. ALL REPLACEMENT PARTS TO BE OF SAME MANUFACTURE AS BOP'S.
- IV. **TESTING**
 - A. BLOWOUT PREVENTERS, KILL LINE, ALL VALVES IN THE SYSTEM, KELLY COCK, SAFETY VALVE, STAND PIPE VALVES, ROTARY HOSE, ETC. ARE ALL TO BE TESTED TO THE WORKING PRESSURE OF THE BOP'S OR AS STATED IN THE CONTRACT.
 - B. BOP SYSTEM IS TO BE TESTED UPON INSTALLATION AND EACH WEEK THEREAFTER, USING A TEST PLUG OR AT THE FREQUENCY STATED IN THE CONTRACT.
 - C. ALL TESTING IS TO BE DONE WITH CLEAR OR DYED WATER.
 - D. TESTING PROCEDURE IS TO BE CARRIED OUT SO EACH VALVE IS TESTED INDIVIDUALLY.
 - E. ALL B.O.P.E. TO BE OPERATED DAILY, BLIND RAMS ON TRIPS.
- V. **MISCELLANEOUS**
 - A. DRILL PIPE RUBBER, IN GOOD CONDITION, TO BE USED ON KELLY SAVER SUB AT ALL TIMES.
 - B. A FULL OPENING VALVE IN THE STAND PIPE WITH A 2" VALVE DOWNSTREAM FOR CONNECTING A PUMP TRUCK ARE REQUIRED. THESE VALVES ARE TO HAVE THE SAME PRESSURE RATING AS THE BOP'S.
 - C. CHECK WITH COMPANY REPRESENTATIVE FOR DIRECTION TO INSTALL OUTLET VALVES ON WELLHEAD.
 - D. MODIFICATIONS OF HOOK-UP MUST BE APPROVED IN WRITING ON TOUR REPORTS BY COMPANY REPRESENTATIVE.
 - E. INSIDE BLOWOUT PREVENTER AND FLOAT VALVE TO HAVE CONNECTIONS FOR DRILL STRING AND TO BE ABLE TO PASS THROUGH BOP STACK INTO OPEN HOLE.

GEOLOGIC PROGRAM

Field/Area Horse Heaven Expl/Dev Exploration

Well Name Chevron U.S.A. #1-14 Federal

Location: Sec 14 TWP 21S Range 18E
 Co Grand State Utah
 Surface 1050 FNL, 2250 FEL
 Bottom Hole Same

Elevation: GL estimated 5040' Surveyed _____
 KB estimated _____ Surveyed _____

Total Depth 5850' Fm at TD Triassic Chinle

Objectives: Primary Navajo Ss
 Secondary Dakota Ss Salt Wash SS Entrada SS

Coring:	Formation	Estimated Depth	Amount
Interval/on-show	<u>Navajo</u>	<u>4590'</u>	<u>60'</u>
Interval/on show	_____	_____	_____
Interval/on show	_____	_____	_____
Interval/on show	_____	_____	_____
Interval/on show	_____	_____	_____

Drill Stem Testing One DST in the Navajo if warranted. Additional DST's will be taken at discretion of the Division Exploration Manager.

Mud Logging _____

Electric logging:	Surface	Intermediate	Total Depth
1) DIL-SP	_____	_____	_____
2) DIL-MSFL-SP-GR	_____	_____	<u>X</u>
3) BHC w/GR, Cal.	_____	_____	<u>X</u>
4) LDT-CNL w/GR, Cal.	_____	_____	<u>X</u>
5) FDC-CNL w/GR, Cal.	_____	_____	_____
6) Dipmeter	_____	_____	<u>X</u>
7) Velocity survey	_____	_____	<u>X</u>
8) RFT	_____	_____	_____
9)	_____	_____	_____
10)	_____	_____	_____
11)	_____	_____	_____

All runs from TD to either base of surface casing or overlap with previous log run unless otherwise noted.

CHEVRON U.S.A. INC.
CHEVRON 1-14 FEDERAL
SEC. 14, T21S, R18E
GRAND COUNTY, UTAH
MULTIPOINT SURFACE USE PLAN

1. EXISTING ROADS

See Exhibit "A." The existing roads in the area are U.S. 26, 50, and Grand County Road 50B. To reach the proposed well site, drive west from Crescent Junction, Utah 6.5 miles to the Floy Wash County Road. Turn northwest and drive 5.6 miles to the proposed access road.

2. PLANNED ACCESS ROADS

See Exhibit "A." Approximately 0.4 miles of new road will be constructed. Chevron will notify the Grand Resource Area at 801-259-819348 hours prior to beginning any dirt work on this location.

An archaeological surface survey has been conducted on the proposed well site and access road. Copies of this report will be forwarded to the Bureau of Land Management.

The new construction, incorporating environmental protection requirements, will consist of constructing an access road and building a well pad. This will be done in accordance with the following:

- A. Maximum Grade: 10%
- B. Turnouts: None
- C. Drainage Design: Will follow existing drainage
- D. Cuts and Fills: See Exhibit "C"
- E. Surfacing Materials: Gravel where needed
- F. Gates, Cattleguards None
or Fence Cuts:

3. LOCATION OF EXISTING WELLS

Existing wells within a 2-mile radius are the Blaze Canyon and the Universal 12-1.

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

- A. There are no existing facilities within a 1-mile radius of the proposed well.
- B. A blooie pit 8' x 10' x 5' deep will be constructed + 150' diagonally from the center hole as shown on Exhibit "B." This pit will be used for testing in the event a producing zone is found.
- C. In the event of production, detailed plans will be submitted for necessary producing facilities.

- D. Rehabilitation of the drill site, whether the well is productive or abandoned, will be accomplished on all disturbed areas as soon as practical. Methods of rehabilitation will be in accordance with Item 10 as described below.

5. LOCATION AND TYPE OF WATER SUPPLY

- A. Water to drill the well will be taken from an existing surface water location in the area. Possible source is Floy Gulch. The water source will be permitted with the Utah State Engineer.
- B. Fresh water supplied to the location will be hauled by truck on the existing roads in the area.

6. SOURCE OF CONSTRUCTION MATERIALS

- A. If surfacing of the access road and well pad is necessary, surfacing material will come from the well site or a commercial source in the area.

7. METHODS FOR HANDLING WASTE DISPOSAL

- A. Cuttings will be settled out in the reserve pit. The reserve pit will be fenced on three sides with 3-strand barbed wire during drilling operations and the fourth side will be fenced after drilling and until the pit is eliminated. The pit will be lined if requested. On-site inspection by BLM during construction will determine need for liner.
- B. Drilling fluids will be retained in reserve tanks utilizing maximum recirculation during drilling operations. Following drilling, the liquid waste will be evaporated and the remainder worked into the deep subsoil of the pit and the pit filled in and returned to natural grade.
- C. In the event fluids are produced, any oil will be retained until sold in tankage and any water produced will be retained until its quality is determined. The quality and quantity of water produced will then determine the necessary disposal procedure.
- D. Sewage will be disposed of in 1,000-gallon, fiber-glass, insulated holding tanks, which are to be placed in the vicinity of our trailers on the well location. Arrangements will be made for the sewage to be transported from the wellsite to the City of Green River Utah for disposal in the City disposal system. The sewage will be hauled by an authorized hauling firm.
- E. Garbage and other waste material will be retained in a portable metal disposal container and hauled periodically to an approved disposal dump.

If burning is required, a permit will be obtained from the State Fire Warden, Tim Higgs, 801-259-6316.

- F. After the rig has moved from the well site, all waste material will be removed to an approved disposal dump.

8. ANCILLARY FACILITIES

Trailers will be provided for contract and Company personnel at the well site.

9. WELL-SITE LAYOUT

- A. Location of mud tanks, reserve burn and trash pits, pipe racks, living facilities and soil stockpiles - see Exhibit "B."
- B. Rig orientation, parking areas and access roads - see Exhibit "B."

10. PLANS FOR RESTORATION OF SURFACE

- A. During drilling operations the well-site layout will be as appears on Exhibit "B." Topsoil will be stockpiled off the location and properly fenced and marked.

During producing operations when the rig is off the site and the reserve pit is no longer needed, the stockpiled earth will be back-filled into the pit area. All surface areas not required for producing operations will be graded to as near original condition as possible and contoured to maintain possible erosion to a minimum.

Any rock encountered in excavation will be disposed of beneath back-fill to return the surface to its present appearance and provide soil for seed growth.

- B. Reseeding will be performed as directed by the Bureau of Land Management.
- C. Pits and any other areas that would present a hazard to wildlife or livestock will be fenced off when the rig is released and moved.
- D. Any oil accumulation on the pit will be removed or overhead flagged as dictated by then existing conditions.
- E. The well will be completed during 1987. Drill site and access road reclamation Chevron or its Contractor will notify the Grand Resource Area at 801-259-8193 48 hours before starting reclamation work that involves earth-moving equipment and, upon completion of restoration measures.

11. OTHER INFORMATION

- A. The possession or use of alcoholic beverages, illegal drugs, fire-arms and ammunition at the well site is prohibited. The above applies to Chevron U.S.A. Inc. and all contract personnel. Any violation of the above will be cause for immediate dismissal.
- B. The well pad and access road are located on a rock outcrop with only scattered pockets of sandstone-derived top soil. The primary types of vegetation include juniper and cedar trees, bluebunch fescue, bitterbrush, yucca, prickly pear, hopsage, cheatgrass and other associated grasses and shrubs.
- C. Surface is owned by the Bureau of Land Management.
- D. The closest live water to the site is a seep spring, located about 50 meters southeast of the drill site.

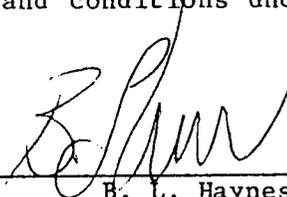
13. COMPANY REPRESENTATIVE

Mr. B. L. Haynes
P. O. Box 599
Denver, CO 80201
(303) 930-3403

14. I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Chevron U.S.A. Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

8-7-87

Date



B. L. Haynes
Drilling Manager

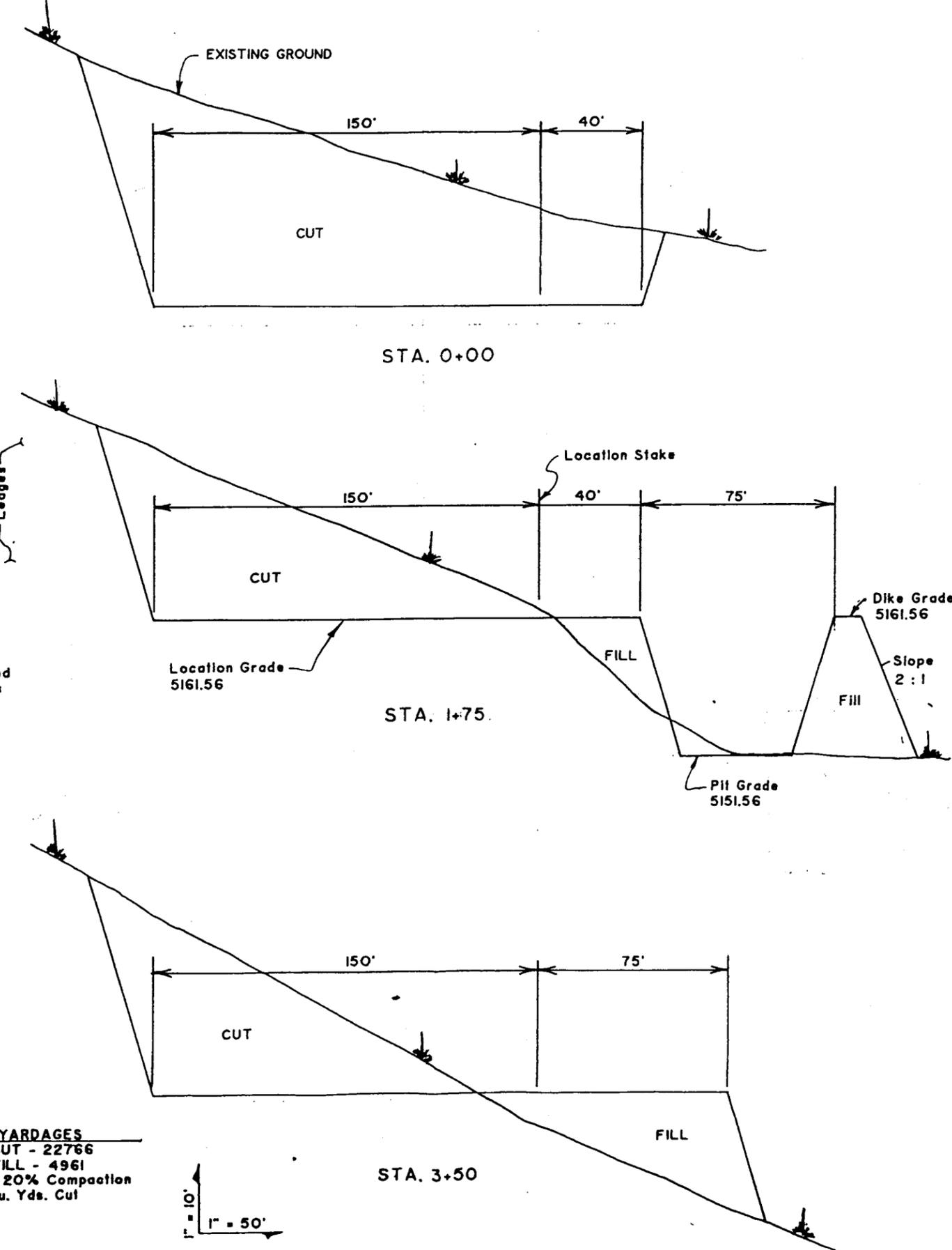
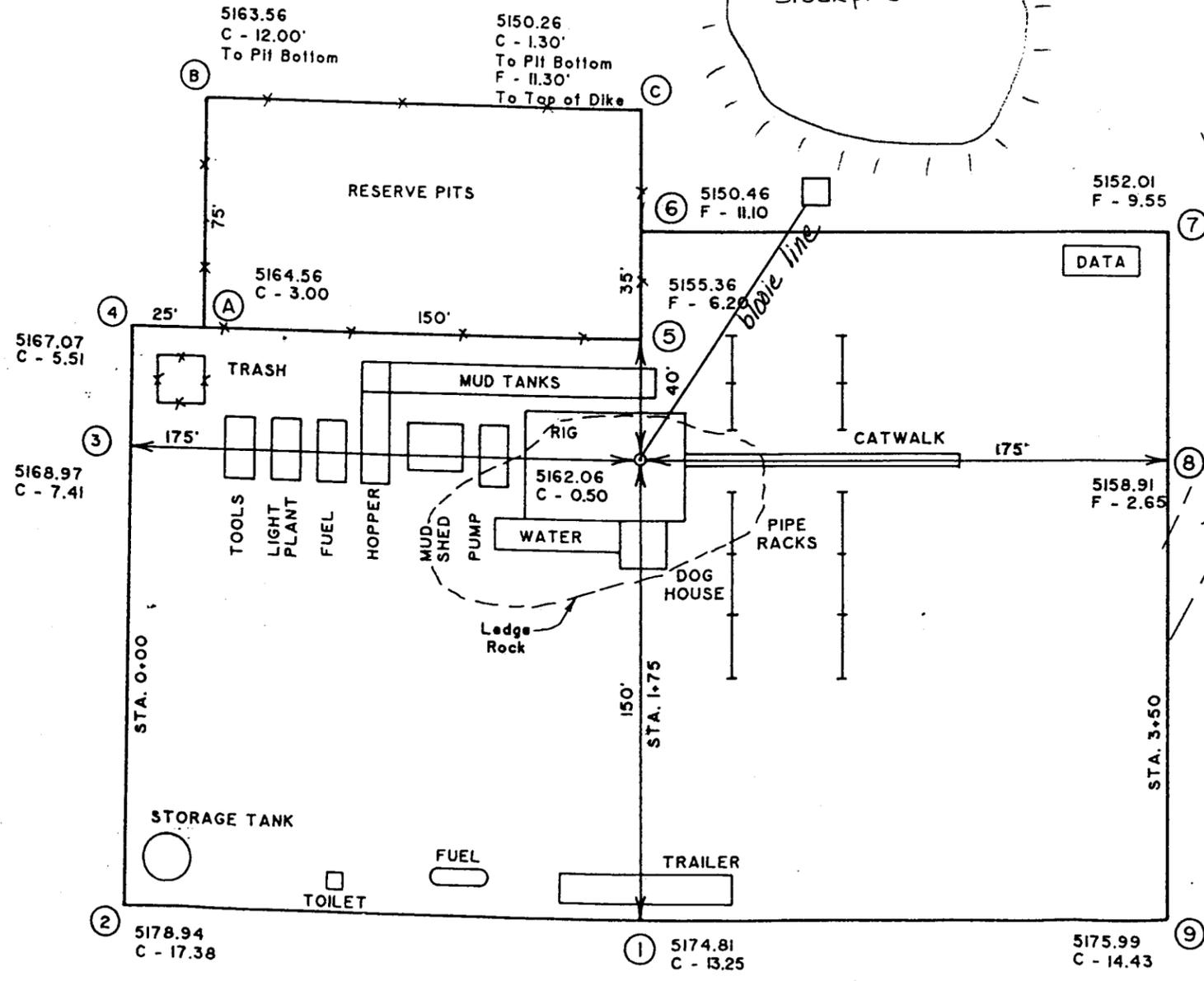
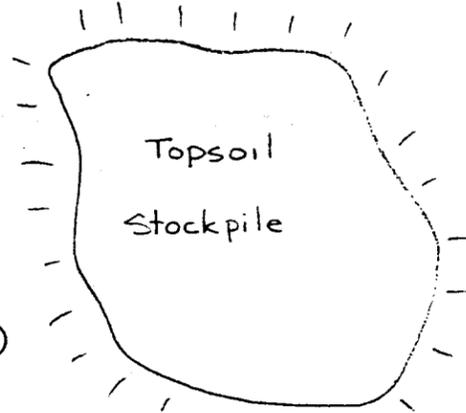
JLW:djm

Exhibit "A" - Area Map, Access Road
Exhibit "B" - Well-site Layout, Cross Section
Exhibit "C" - Access Road Plan & Profile, Cross Section, Cut/Fill

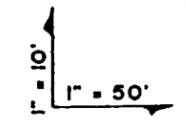
CHEVRON U.S.A., INC.
 HORSE HEAVEN PROSPECT
 CHEVRON # 1 - 14 FEDERAL

DATE 7-7-87
 SCALE 1" = 50'
 Revised 7-29-87

Note: All slopes to be 1 1/2 : 1
 unless otherwise noted.



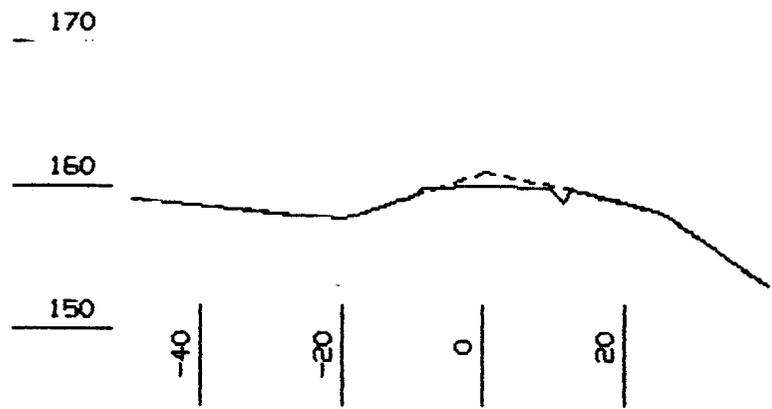
APPROX. YARDAGES
 CU. YDS. CUT - 22766
 CU. YDS. FILL - 4961
 Unbalance After 20% Compaction
 16814 Cu. Yds. Cut



STA. 3+50

 * CHEVER1 HORSE HEAVEN PROSPECT *
 * CHEV 1-14 FED *
 * UINTAH ENGINEERING & LAND SURVEYING *
 * 85 SOUTH 200 EAST STREET VERNAL, UTAH 84078 *
 * TELEPHONE.... 801-789-1017 *

STATION 0.000
 SCALE 1"= 20' HORZ. 1"= 10' VERT.

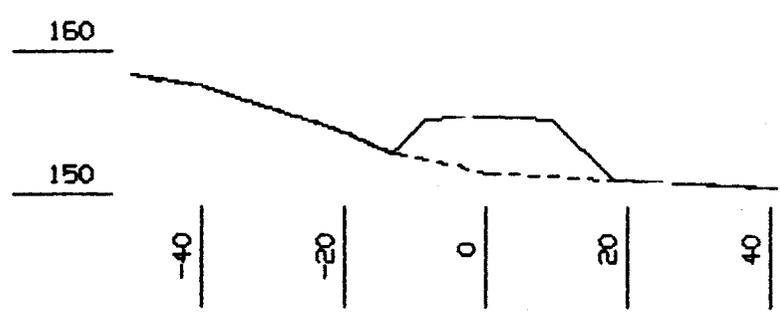


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** CHEVER1                                     **
** HORSE HEAVEN PROSPECT                       **
** CHEV 1-14 FED                               **
** UINTAH ENGINEERING & LAND SURVEYING        **
** 85 SOUTH 200 EAST STREET VERNAL, UTAH 84078 **
** TELEPHONE... 801-789-1017                 **
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STATION 61.350
SCALE 1" = 20' HORZ. 1" = 10' VERT.



 * CHEVER1 *
 * HORSE HEAVEN PROSPECT *
 * CHEV 1-14 FED *
 * UINTAH ENGINEERING & LAND SURVEYING *
 * 85 SOUTH 200 EAST STREET VERNAL, UTAH 84078 *
 * TELEPHONE.... 801-789-1017 *

STATION 161.350
 SCALE 1"= 20' HORZ. 1"= 10' VERT.

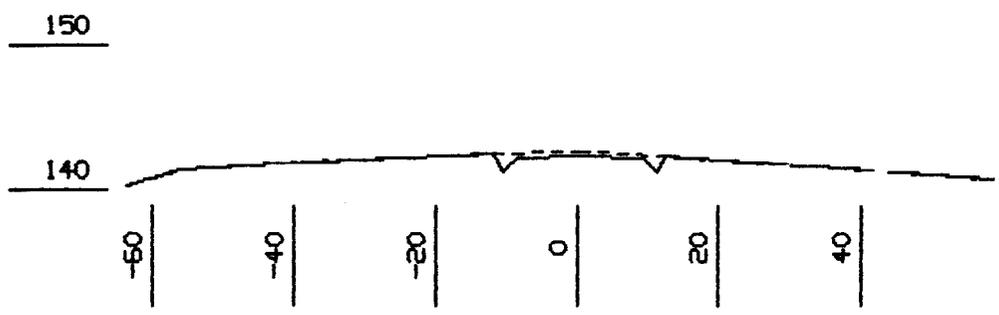


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**          CHEVER1          **
**          HORSE HEAVEN PROSPECT          **
**          CHEV 1-14 FED          **
**          **
**          UINTAH ENGINEERING & LAND SURVEYING          **
**          85 SOUTH 200 EAST STREET          VERNAL, UTAH 84078          **
**          TELEPHONE.... 801-789-1017          **
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STATION 261.350
 SCALE 1"= 20' HORZ. 1"= 10' VERT.

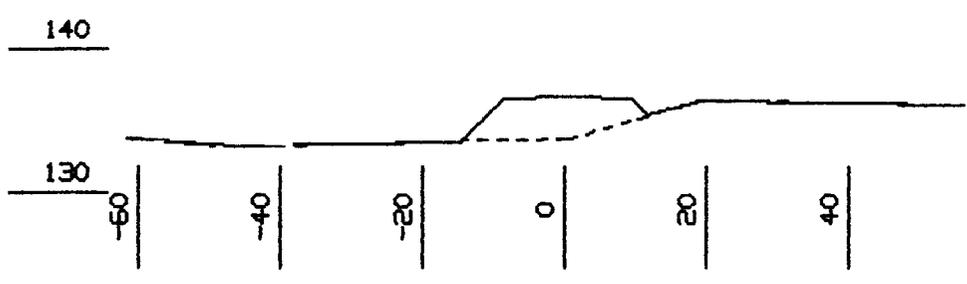


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* CHEVER1                                *
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* HORSE HEAVEN PROSPECT                *
* CHEV 1-14 FED                          *
*                                     *
* UINTAH ENGINEERING & LAND SURVEYING  *
* 85 SOUTH 200 EAST STREET              *
* VERNAL, UTAH 84078                    *
* TELEPHONE.... 801-789-1017            *
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STATION 358.250
 SCALE 1" = 20' HORZ. 1" = 10' VERT.

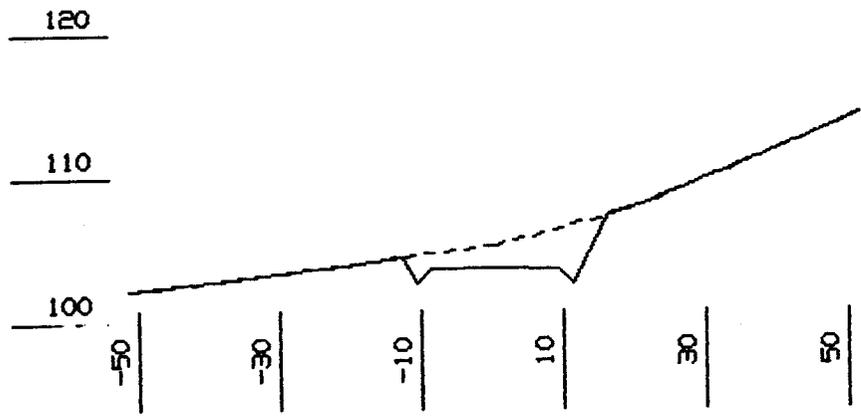


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** CHEVER1
** HORSE HEAVEN PROSPECT
** CHEV 1-14 FED
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** UINTAH ENGINEERING & LAND SURVEYING
** 85 SOUTH 200 EAST STREET VERNAL, UTAH 84078
** TELEPHONE.... 801-789-1017
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STATION 837.850
 SCALE 1" = 20' HORZ. 1" = 10' VERT.

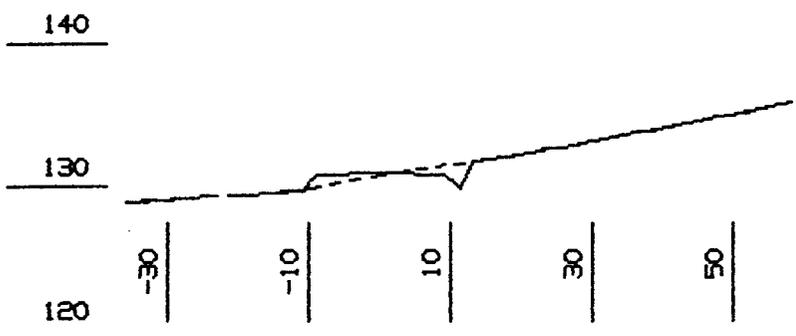


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* CHEVER1                                *
* HORSE HEAVEN PROSPECT                  *
* CHEV 1-14 FED                          *
* UINTAH ENGINEERING & LAND SURVEYING   *
* 85 SOUTH 200 EAST STREET VERNAL, UTAH 84078 *
* TELEPHONE.... 801-789-1017            *
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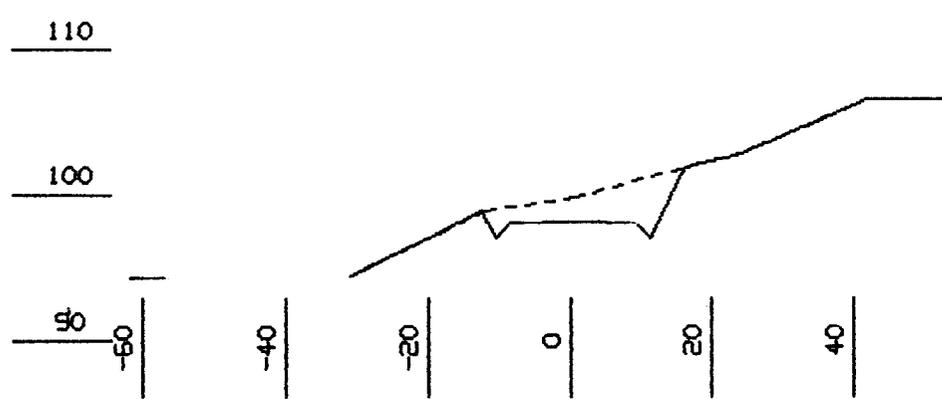
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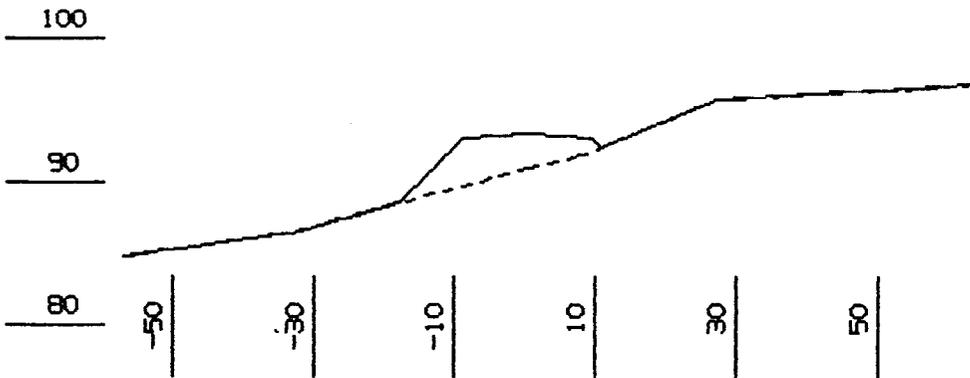
 * CHEVER1 *
 * HORSE HEAVEN PROSPECT *
 * CHEV 1-14 FED *
 *
 * UINTAH ENGINEERING & LAND SURVEYING *
 * 85 SOUTH 200 EAST STREET VERNAL, UTAH 84078 *
 * TELEPHONE.... 801-789-1017 *

STATION 900.850
 SCALE 1"= 20' HORZ. 1"= 10' VERT.



 ** CHEVER1 **
 ** HORSE HEAVEN PROSPECT **
 ** CHEV 1-14 FED **
 ** UINTAH ENGINEERING & LAND SURVEYING **
 ** 85 SOUTH 200 EAST STREET VERNAL, UTAH 84078 **
 ** TELEPHONE.... 801-789-1017 **

STATION 954.350
 SCALE 1"= 20' HORZ. 1"= 10' VERT.

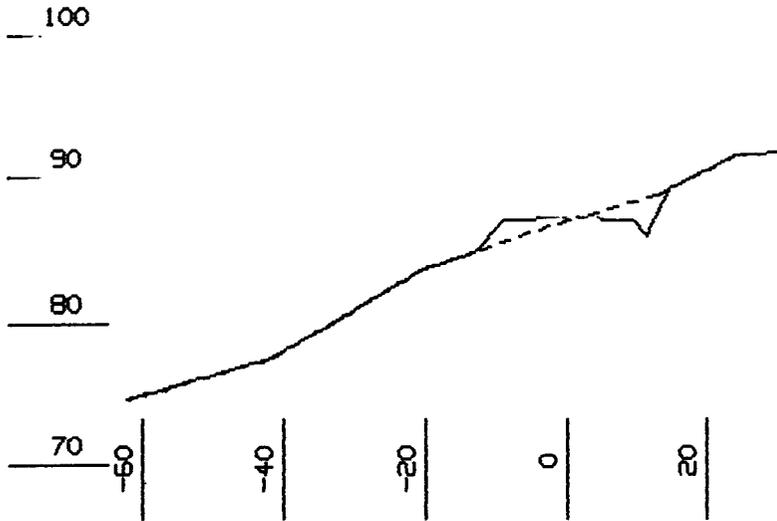


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* CHEVER1 HORSE HEAVEN PROSPECT *
* CHEV 1-14 FED *
* UINTAH ENGINEERING & LAND SURVEYING *
* 85 SOUTH 200 EAST STREET VERNAL, UTAH 84078 *
* TELEPHONE.... 801-789-1017 *
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STATION 1018.050
SCALE 1"= 20' HORZ. 1"= 10' VERT.

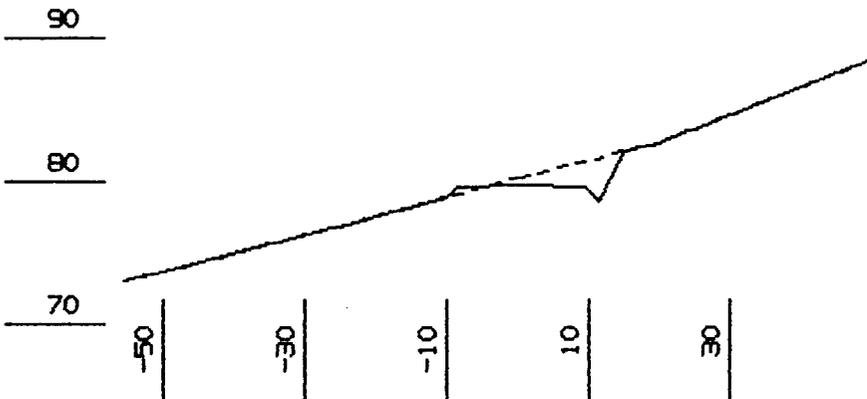


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**          CHEVER1          **
**          HORSE HEAVEN PROSPECT          **
**          CHEV 1-14 FED          **
**          **          **
**          UINTAH ENGINEERING & LAND SURVEYING          **
**          85 SOUTH 200 EAST STREET          VERNAL, UTAH 84078          **
**          TELEPHONE..... 801-789-1017          **
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STATION 1093.050
SCALE 1"= 20' HORZ. 1"= 10' VERT.

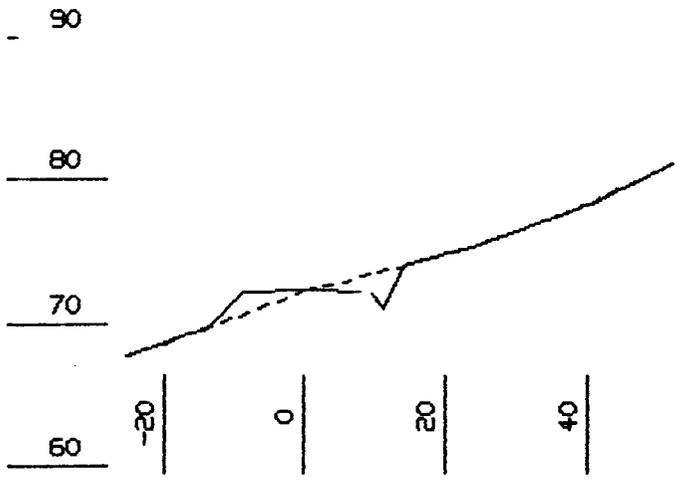


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**          CHEVER1          **
**          HORSE HEAVEN PROSPECT          **
**          CHEV 1-14 FED          **
**          **
**          UINTAH ENGINEERING & LAND SURVEYING          **
**          85 SOUTH 200 EAST STREET          VERNAL, UTAH  84078          **
**          TELEPHONE.... 801-789-1017          **
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STATION 1164.050
SCALE 1" = 20' HORZ. 1" = 10' VERT.

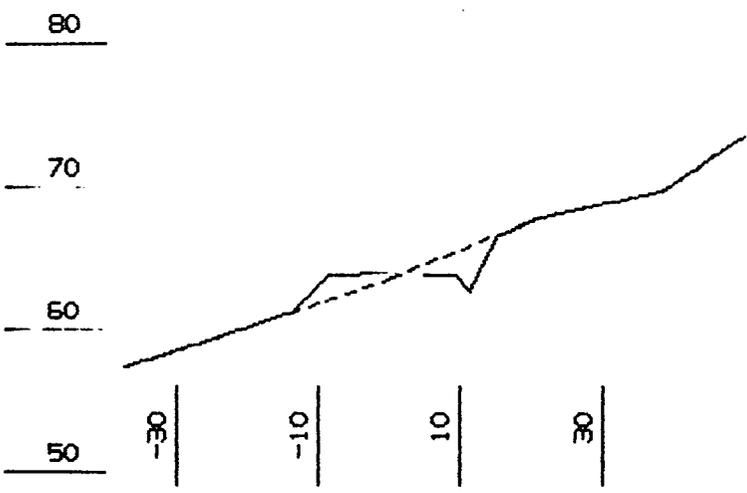


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* CHEVER1                                *
* HORSE HEAVEN PROSPECT                  *
* CHEV 1-14 FED                          *
* UINTAH ENGINEERING & LAND SURVEYING   *
* 85 SOUTH 200 EAST STREET VERNAL, UTAH 84078 *
* TELEPHONE... 801-789-1017             *
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STATION 1241.500
SCALE 1"= 20' HORZ. 1"= 10' VERT.

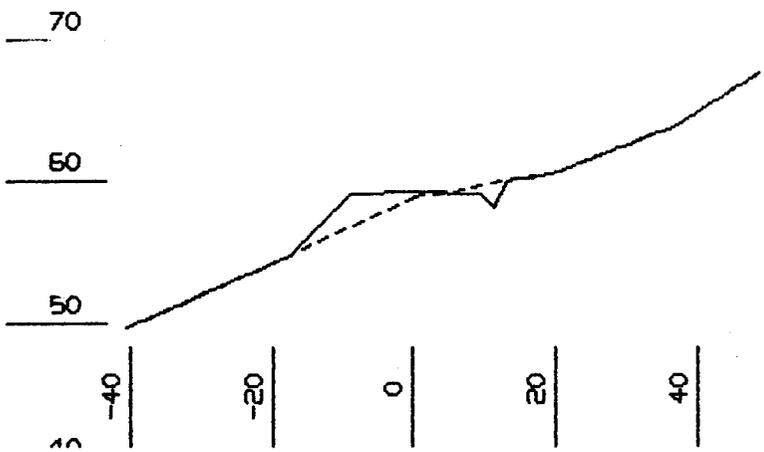


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**          CHEVER1          **
**          HORSE HEAVEN PROSPECT          **
**          CHEV 1-14 FED          **
**          UINTAH ENGINEERING & LAND SURVEYING          **
**          85 SOUTH 200 EAST STREET          VERNAL, UTAH 84078          **
**          TELEPHONE.... 801-789-1017          **
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STATION 1283.500
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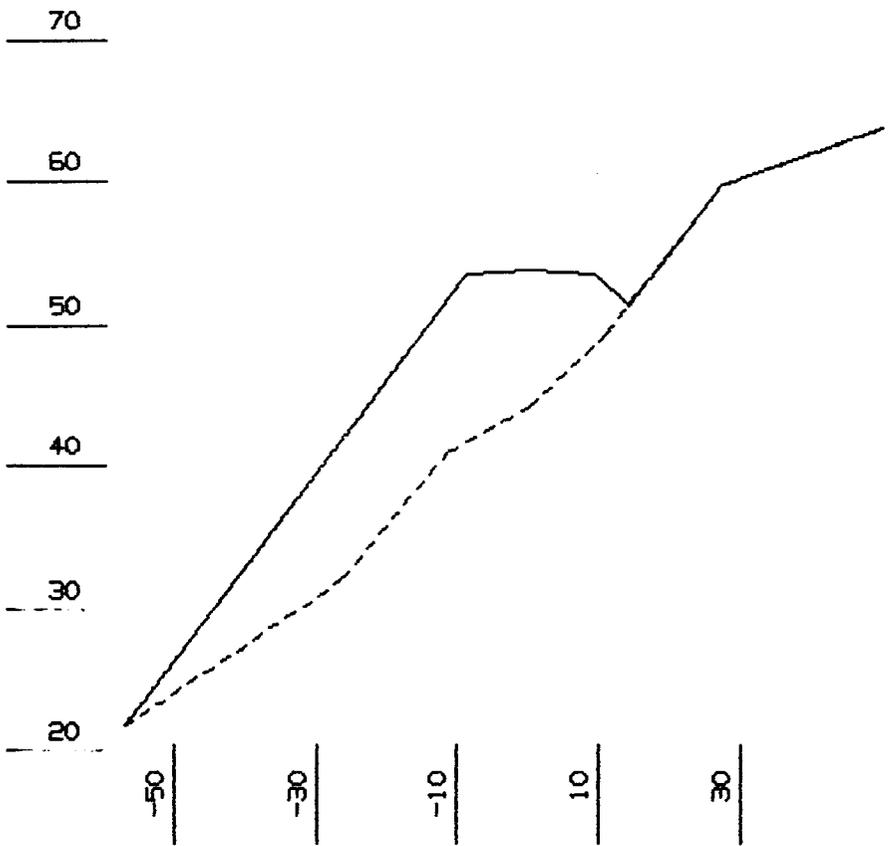


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**          CHEVER1          HORSE HEAVEN PROSPECT          **
**                                CHEV 1-14 FED              **
**                                **                        **
**          UINTAH ENGINEERING & LAND SURVEYING          **
**          85 SOUTH 200 EAST STREET          VERNAL, UTAH  84078  **
**          TELEPHONE..... 801-789-1017                **
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STATION 1331.020
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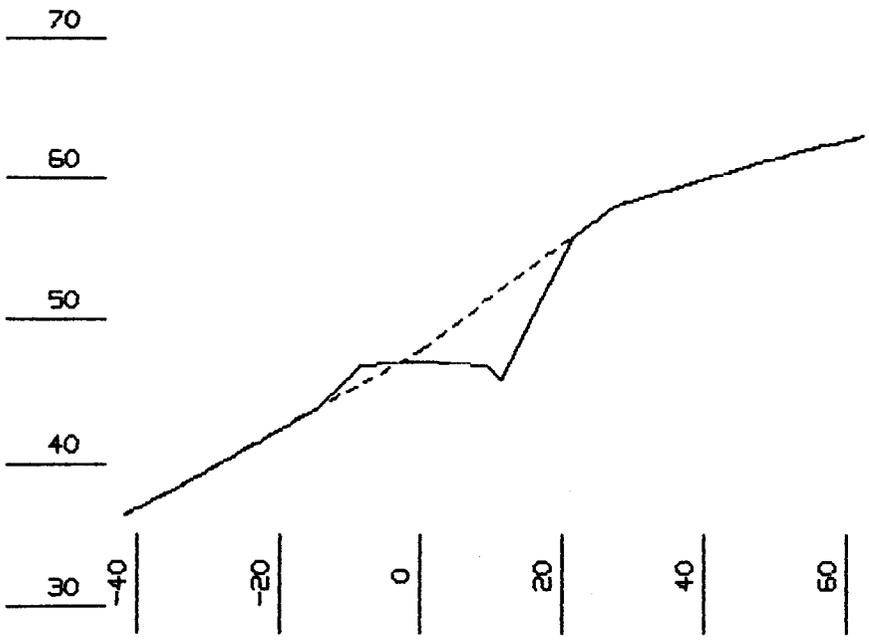


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* CHEVER1 HORSE HEAVEN PROSPECT *
* CHEV 1-14 FED *
* UINTAH ENGINEERING & LAND SURVEYING *
* 85 SOUTH 200 EAST STREET VERNAL, UTAH 84078 *
* TELEPHONE.... 801-789-1017 *
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STATION 1392.220
SCALE 1"= 20' HORZ. 1"= 10' VERT.

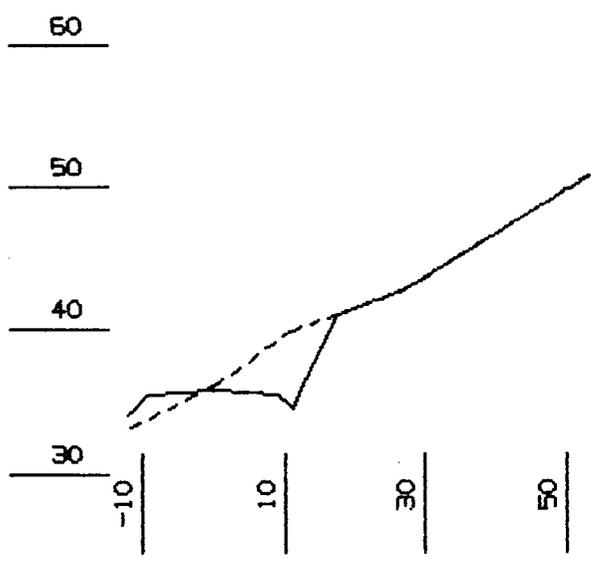


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**          CHEVER1          **
**          HORSE HEAVEN PROSPECT          **
**          CHEV 1-14 FED          **
**          UINTAH ENGINEERING & LAND SURVEYING          **
**          85 SOUTH 200 EAST STREET          VERNAL, UTAH 84078          **
**          TELEPHONE.... 801-789-1017          **
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STATION 1492.220
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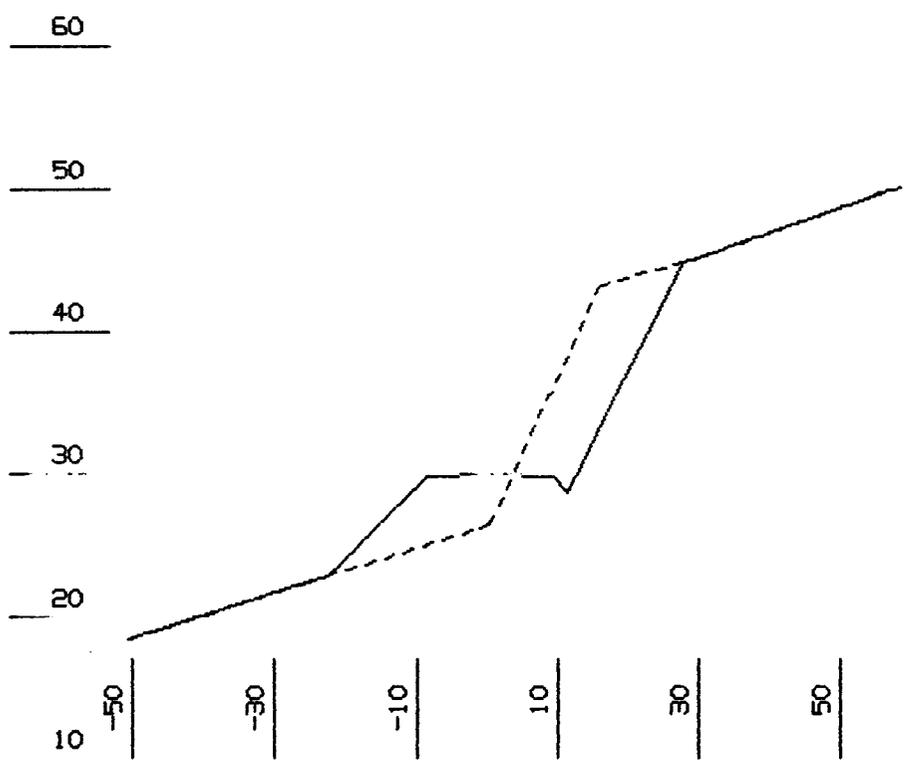


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**          CHEVER1          **
**          HORSE HEAVEN PROSPECT          **
**          CHEV 1-14 FED          **
**          **          **
**          UINTAH ENGINEERING & LAND SURVEYING          **
**          85 SOUTH 200 EAST STREET          VERNAL, UTAH 84078          **
**          TELEPHONE... 801-789-1017          **
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STATION 1543.720
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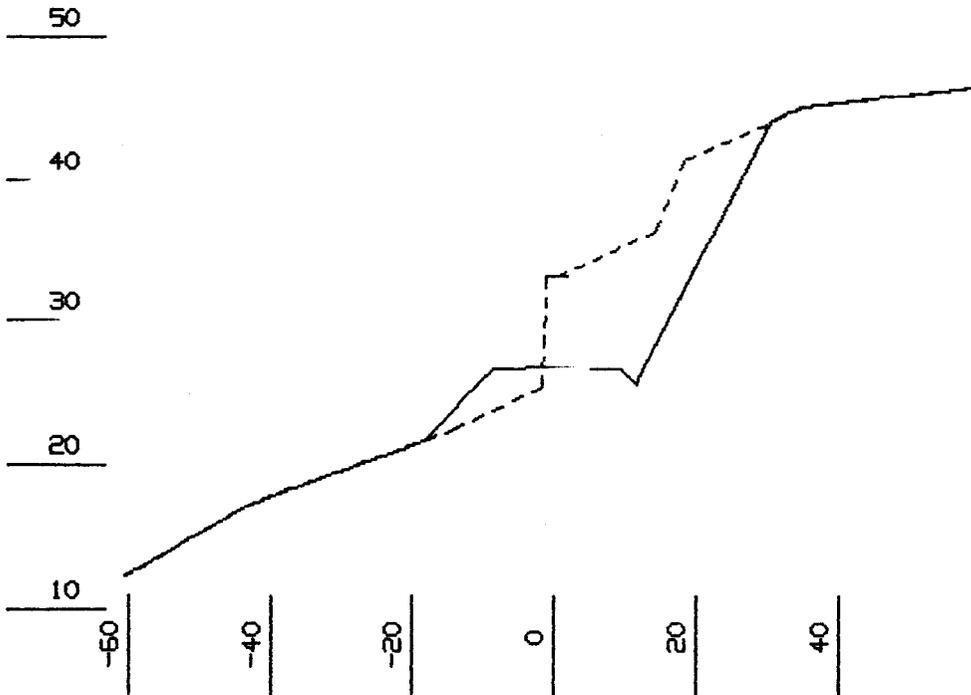


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* CHEVER1
* HORSE HEAVEN PROSPECT
* CHEV 1-14 FED
*
* UINTAH ENGINEERING & LAND SURVEYING
* 85 SOUTH 200 EAST STREET VERNAL, UTAH 84078
* TELEPHONE... 801-789-1017
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STATION 1574.220
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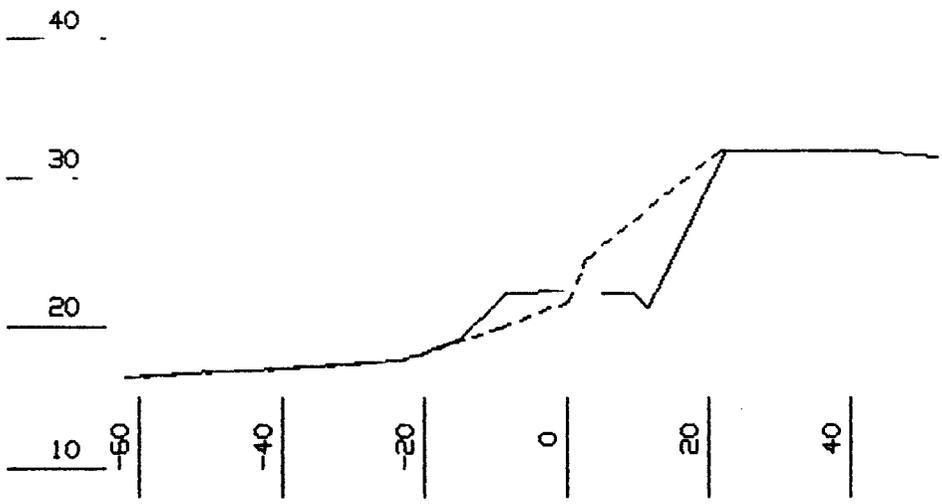


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**          CHEVER1          **
**          HORSE HEAVEN PROSPECT          **
**          CHEV 1-14 FED          **
**          UINTAH ENGINEERING & LAND SURVEYING          **
**          85 SOUTH 200 EAST STREET          VERNAL, UTAH 84078          **
**          TELEPHONE.... 801-789-1017          **
*****

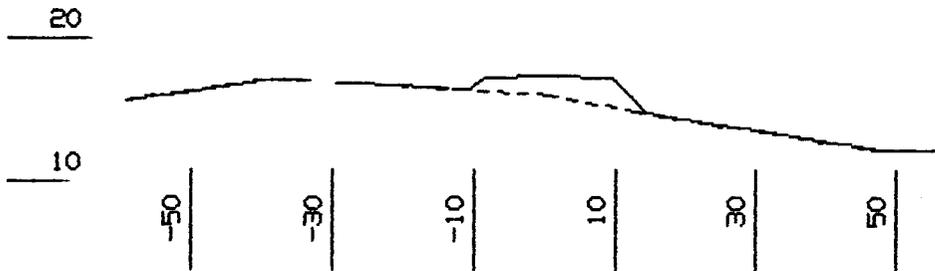
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STATION 1618.090
 SCALE 1"= 20' HORZ. 1"= 10' VERT.



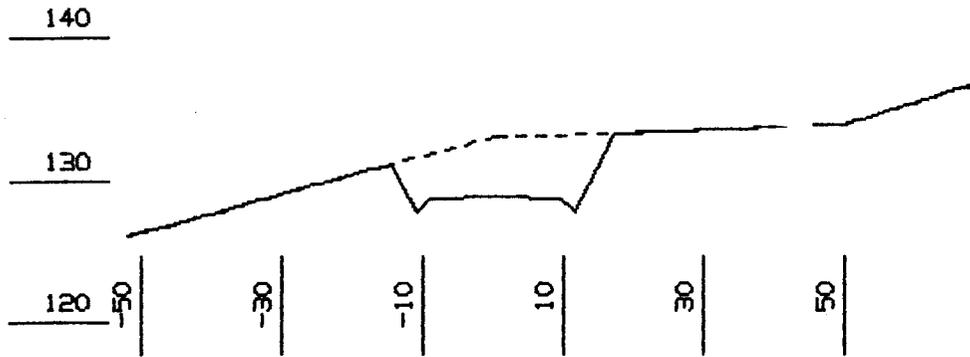
* CHEVER1 *
* HORSE HEAVEN PROSPECT *
* CHEV 1-14 FED *
* UINTAH ENGINEERING & LAND SURVEYING *
* 85 SOUTH 200 EAST STREET VERNAL, UTAH 84078 *
* TELEPHONE.... 801-789-1017 *

STATION 1669.190
SCALE 1"= 20' HORZ. 1"= 10' VERT.



 ** CHEVER1 HORSE HEAVEN PROSPECT **
 ** CHEV 1-14 FED **
 ** UINTAH ENGINEERING & LAND SURVEYING **
 ** 85 SOUTH 200 EAST STREET VERNAL, UTAH 84078 **
 ** TELEPHONE.... 801-789-1017 **

STATION 489.350
 SCALE 1"= 20' HORZ. 1"= 10' VERT.

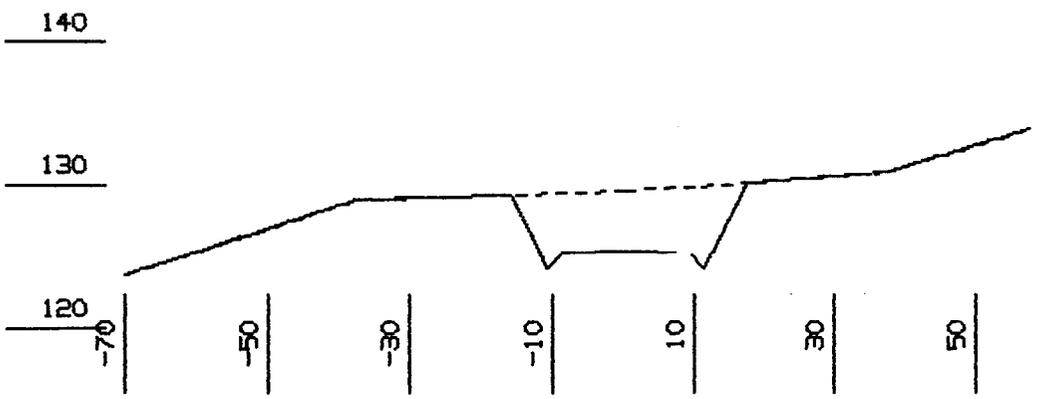


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*****
** CHEVER1 HORSE HEAVEN PROSPECT **
** CHEV 1-14 FED **
** UINTAH ENGINEERING & LAND SURVEYING **
** 85 SOUTH 200 EAST STREET VERNAL, UTAH 84078 **
** TELEPHONE... 801-789-1017 **
*****

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STATION 548.150
SCALE 1" = 20' HORZ. 1" = 10' VERT.

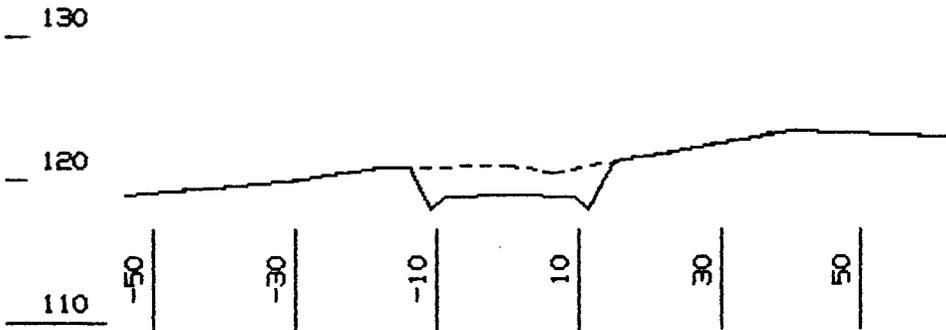


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*****
**          CHEVER1          **
**          HORSE HEAVEN PROSPECT          **
**          CHEV 1-14 FED          **
**          **
**          UINTAH ENGINEERING & LAND SURVEYING          **
**          85 SOUTH 200 EAST STREET          VERNAL, UTAH 84078          **
**          TELEPHONE.... 801-789-1017          **
*****

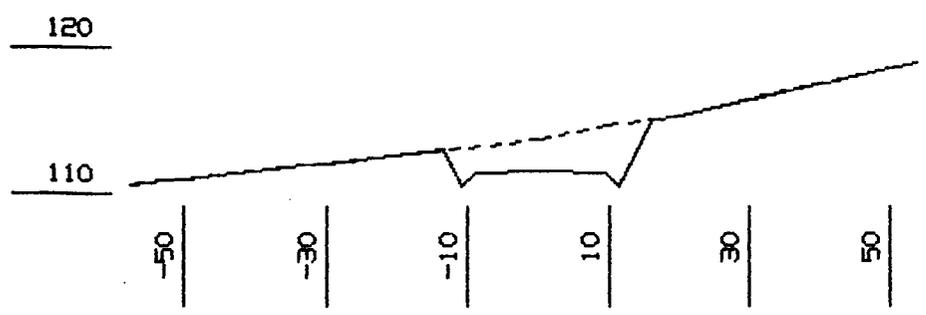
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STATION 644.850
 SCALE 1"= 20' HORZ. 1"= 10' VERT.



 * CHEVER1 *
 * HORSE HEAVEN PROSPECT *
 * CHEV 1-14 FED *
 *
 * UINAH ENGINEERING & LAND SURVEYING *
 * 85 SOUTH 200 EAST STREET VERNAL, UTAH 84078 *
 * TELEPHONE.... 801-789-1017 *

STATION 744.850
 SCALE 1"= 20' HORZ. 1"= 10' VERT.

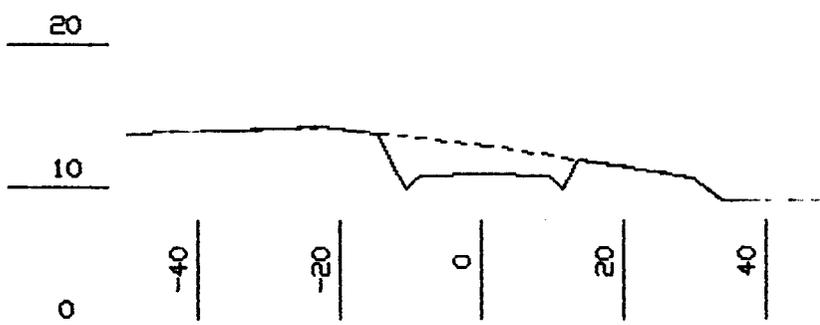


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*****
**          CHEVER1          **
**          HORSE HEAVEN PROSPECT          **
**          CHEV 1-14 FED          **
**          UINTAH ENGINEERING & LAND SURVEYING          **
**          85 SOUTH 200 EAST STREET          VERNAL, UTAH  84078          **
**          TELEPHONE.... 801-789-1017          **
*****

```

STATION 1752.190
SCALE 1"= 20' HORZ. 1"= 10' VERT.



 * CHEVER1 07/10/84 *
 * *
 * CHEV 1-14 FED *
 * *
 * UINTAH ENGINEERING & LAND SURVEYING *
 * 85 SOUTH 200 EAST STREET VERNAL, UTAH 84078 *
 * TELEPHONE..... 801-789-1017 *

STATION	CUT AREA	CUT VOLUME	FILL AREA	FILL VOLUME	MASS DIAGRAM
-50.000	0.00		0.00	0.00	0.00
		9.48		0.43	
0.000	10.23		0.46		8.96
		11.64		102.01	
61.350	0.01		89.33		-101.81
		25.15		165.61	
161.350	13.57		0.10		-275.39
		42.98		0.19	
261.350	9.64		0.00		-232.64
		17.32		101.56	
358.250	0.01		56.60		-337.19
		11.23		111.34	
453.950	6.32		6.23		-459.57
		77.99		4.08	
489.350	112.65		0.00		-386.48
		261.77		0.00	
548.150	127.75		0.00		-124.71
		331.65		0.00	
644.850	57.45		0.00		206.94
		238.24		0.00	
744.850	71.20		0.00		445.18
		217.49		0.00	
837.850	55.09		0.00		662.67
		127.52		0.00	
900.850	54.21		0.00		790.19
		53.72		57.27	
954.350	0.01		57.80		775.19
		16.63		79.97	
1018.050	14.09		9.99		695.86
		50.71		15.55	
1093.050	22.42		1.21		727.91
		46.85		15.18	
1164.050	13.21		10.34		756.54
		43.73		34.31	
1241.500	17.27		13.58		759.10
		17.43		29.38	
1283.500	5.13		24.20		741.27
		4.52		474.49	
1331.020	0.00		515.00		176.40
		78.25		592.58	
1392.220	69.05		7.87		-456.45
		211.36		35.33	
1492.220	45.09		11.21		-287.49
		175.44		81.82	
1543.720	138.86		74.58		-210.23
		200.29		58.56	
1574.220	215.74		29.09		-80.21
		237.94		39.58	
1618.090	77.13		19.63		110.23
		73.01		48.92	
1669.190	0.02		32.06		124.54
		86.45		49.28	
1752.190	56.22		0.00		151.85
		68.09		0.00	
1817.590	0.00		0.00		219.94
TOTALS...	CUT=	2736.88	FILL=	2097.44	

UNBALANCE OF 639.44 CUBIC YARDS OF CUT
 LOSSES AT 20.00 % = 419.49 CUBIC YARDS
 UNBALANCE OF 219.95 CUBIC YARDS OF CUT



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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

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

September 4, 1987

Chevron U. S. A. Inc.
P. O. Box 599
Denver, Colorado 80201

Gentlemen:

Re: Chevron Federal 1-14 - SW NE Sec. 14, T. 21S, R. 18E
1800' FNL, 1700' FEL - Grand County, Utah

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

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Chapter 3, Title 73, Utah Code Annotated.

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

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal of an Entity Action Form to the Division within five working days of the time that the well is spudded or a change in operations or interests necessitates a change in entity status.
3. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
4. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, Associate Director, (Home) 571-6068.

Page 2
Chevron U. S. A. Inc.
Chevron Federal 1-14
September 4, 1987

5. Compliance with the requirements of Rule R615-3-22, Gas Flaring or Venting, Oil and Gas Conservation General Rules.
6. Prior to commencement of the proposed drilling operations, plans for toilet facilities and the disposal of sanitary waste at the drill site shall be submitted to the local health department having jurisdiction. Any such drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of all local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 538-6121.
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 43-019-31245.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

as
Enclosure
cc: Branch of Fluid Minerals
D. R. Nielson
8159T

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER Exploratory

2. NAME OF OPERATOR **SEP 14 1987**
Chevron U.S.A. Inc.

3. ADDRESS OF OPERATOR
P. O. Box 599, Denver, Colorado 80201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface
1,800' FNL, 1,700' FEL (SW/NE)

5. LEASE DESIGNATION AND SERIAL NO.
U-55492

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
092113

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Horse Heaven

9. WELL NO.
Chevron 1-14 Federal

10. FIELD AND POOL, OR WILDCAT
Horse Heaven Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 14, T21S, R18E

12. COUNTY OR PARISH
Grand

13. STATE
Utah

14. PERMIT NO. **43-019-31045**

15. ELEVATIONS (Show whether DP, RT, GR, etc.)
5,162' - Ungraded Ground

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"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE 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 WELL <input type="checkbox"/>	CHANGE PLANS <input checked="" type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>

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

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

Proposed to amend APD to change PTD to $\pm 6,200'$ based on the following Revised Formation Tops:

FORMATION	ESTIMATED TOPS
Mancos	Surface
Dakota Silt ^m	3,242'
Brushy Basin	3,631'
Salt Wash	3,806'
Entrada	4,315'
Carmel	4,692'
Navajo	4,817'
Kayenta	5,422'
Wingate	5,617'
Chinle	6,039'

- 3 - BLM
- 3 - State
- 3 - Drlg.
- 1 - AIF
- 1 - Exp.
- 1 - Sec. 724-C
- 1 - File

CONFIDENTIAL

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

SIGNED *J. Watson* TITLE Office Assistant DATE September 10, 1987

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

DATE: 9-12-87
BY: *[Signature]*

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

Drlg.

5. LEASE DESIGNATION AND SERIAL NO.

U-55492

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

101306

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Horse Heaven

9. WELL NO.

Chevron 1-14 Federal

10. FIELD AND POOL, OR WILDCAT

Horse Heaven Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 14, T21S, R18E

12. COUNTY OR PARISH 13. STATE

Grand

Utah

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Chevron U.S.A. Inc.

3. ADDRESS OF OPERATOR
P. O. Box 599, Denver, Colorado 80201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

1,800' FNL, 1,700' FEL (SW-NE)

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.)

43.019 - 31045

5,162' GR

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Status Report

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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

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

The subject well was spudded at 12:30 P.M. on October 3, 1987.

- 3 - BLM
- 3 - State
- 1 - EEM
- 3 - Drlg.
- 1 - File

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

SIGNED

J. Watson

TITLE Office Assistant

DATE 10-5-87

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

OCT 8 1987

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-55492 *Dr1*

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

010701

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Horse Heaven

9. WELL NO.

Chevron 1-14 Federal

10. FIELD AND POOL, OR WILDCAT

Horse Heaven Wildcat

11. SEC., T., R., M., OR PLQ. AND SURVEY OR AREA

S14, T21S, R18E

12. COUNTY OR PARISH

Grand

13. STATE

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. WELL OIL WELL GAS WELL OTHER Plugged and Abandoned

2. NAME OF OPERATOR

Chevron U.S.A. Inc.

3. ADDRESS OF OPERATOR

P.O. Box 599, Denver, CO 80201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface

1800' FNL, 1700' FEL (SW, NE)

14. PERMIT NO.

43-019-31245

15. ELEVATIONS (Show whether OF, BY, OR, etc.)

5162' GL

12. COUNTY OR PARISH

Grand

13. STATE

Utah

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF
FRACTURE TREAT
SHUT-IN OF WELL
REPAIR WELL
(Other)

PULL OR ALTER CASING
MULTIPLE COMPLETION
ABANDON*
CHANGE PLANS

WATER SHUT-OFF
FRACTURE TREATMENT
SHUT-IN OR ABANDONING
(Other)

REPAIRING WELL
ALTERING CASING
ABANDONMENT*

(Other) (When reporting results of multiple completion on Well Completion or Recompletion Report and Log form.)

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

The Horse Heaven Chevron-Federal 1-14 was plugged and abandoned on 11-14-87 as follows:

1. Balanced cement plugs were placed as follows:

Plug #	Depth	Sx Cement	Formation
1	5650'-5800'	100	Chinle
2	4600'-4750'	75	Navajo
3	4150'-4300'	100	Entrada
4	3200'-3350'	150	Brushy Basin
5	2900'-3050'	120	Dakota
6	600'- 400'	90	9-5/8" Shoe
7	120'-Surface	50	Surface

NOTE: 9.4 ppg mud was left between all plugs.

- Cut off wellheads. Installed regulation dry-hole marker.
- Plug and abandonment witnessed by Steve Jones with BLM.

3-BLM
3-State
1-EEM
3-Dr1g
1-File

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

SIGNED: *J. Watson*

TITLE: Technical Assistant

DATE: 12-15-87

(This space for Federal or State office use)

APPROVED BY: _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE: _____

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

DATE: 1-5-88
BY: *John R. Day*

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

7

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other Plug and Abandon

2. NAME OF OPERATOR
Chevron U.S.A. Inc.

3. ADDRESS OF OPERATOR
P.O. Box 599, Denver, CO 80201

4. LOCATION OF WELL (Report location clearly and in accordance with the Standard Instructions)
At surface 1800' FNL, 1700' FEL (SW, NE)
At top prod. interval reported below
At total depth Same

RECEIVED
JAN 04 1987
DIVISION OF
OIL, GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.
U-55492 010616

6. IF INDIAN, ALLOTTEE OR TRIBE NAME _____

7. UNIT AGREEMENT NAME _____

8. FARM OR LEASE NAME
Horse Heaven

9. WELL NO. _____

10. FIELD AND POOL, OR WILDCAT
Horse Heaven Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
S14, T21S, R18E

14. PERMIT NO. _____ DATE ISSUED _____

12. COUNTY OR PARISH
Grand

13. STATE
Utah

15. DATE SPUNDED 10-3-87 16. DATE T.D. REACHED 10-30-87 17. DATE COMPL. (Ready to prod.) Plugged/Abandoned 11-14-87 18. ELEVATIONS (DF, RKR, RT, GR, ETC.)* 5162' GL 19. ELEV. CASINGHEAD _____

20. TOTAL DEPTH, MD & TVD 6257' 21. PLUG, BACK T.D., MD & TVD Surface 22. IF MULTIPLE COMPL., HOW MANY* _____ 23. INTERVALS DRILLED BY _____ ROTARY TOOLS X CABLE TOOLS _____

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
None

25. WAS DIRECTIONAL SURVEY MADE
Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN DIL-GR, Density-Neutron-GR-Caliper, Full wave sonic - GR - Calip., Dipmeter, VSP Long spaced acoustic velocity 27. WAS WELL CORED
Yes

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	68#	80'	26"	To Surface (8 ft ³)	-
9-5/8"	47#	500	12 1/2"	To Surface (300 sx)	-

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
N/A		

31. PERFORATION RECORD (Interval, size and number)
N/A

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
N/A	

33.* PRODUCTION

DATE FIRST PRODUCTION N/A PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) _____ WELL STATUS (Producing or shut-in) PEA

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

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

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

35. LIST OF ATTACHMENTS _____

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

SIGNED J. Watson TITLE Technical Assistant DATE 12-15-87

CONFIDENTIAL

*(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.
Chinle	6072	74	(2')-11%-Red brown, v.f. gr. sandstone
Wingate	5740	50	(10')-14%-Massive lt. or., f. gr. sandstone
Wingate	5702	16	(14')-15%-Massive lt. or., f. gr. sandstone
Wingate	5692	00	(8')-18%-Massive lt. or., f. gr. sandstone
Wingate	5668	75	(7')-18%-Massive lt. or., f. gr. sandstone
Wingate	5622	42	(20')-16%-Massive lt. or., f. gr. sandstone
Wingate	5580	5608	(28')-16%-Massive lt. or., f. gr. sandstone
Wingate	5508	70	(62')-15%-Massive lt. or., f. gr. sandstone
Wingate	5471	80	(9')-15%-Massive lt. or., f. gr. sandstone
Wingate	5426	48	(22')-15%-Massive lt. or., f. gr. sandstone
Wingate	5414	21	(7')-13%-Massive lt. or., f. gr. sandstone
Wingate	5386	94	(8')-14%-Massive lt. or., f. gr. sandstone
Wingate	5322	64	(44')-16%-Massive lt. or., f. gr. sandstone
Navajo	5110	26	(16')-13%-Massive clr.-lt. or., p. srt. sandstone
Navajo	5100	04	(4')-13%-Massive clr.-lt. or., p. srt. sandstone
Navajo	5080	91	(16')-20%-Massive clr.-lt. or., p. srt. sandstone
Navajo	5050	68	(18')-14%-Massive clr.-lt. or., p. srt. sandstone
Navajo	5030	42	(12')-20%-Massive clr.-lt. or., p. srt. sandstone
Navajo	5005	20	(15')-16%-Massive clr.-lt. or., p. srt. sandstone
Navajo	4966	5000	(34')-15%-Massive clr.-lt. or., p. srt. sandstone
Navajo	4902	62	(60')-16%-Massive, clr.-lt. or., f. gr. sandstone
Navajo	4846	54	(8')-12%-Massive, clr.-lt. or., f. gr. sandstone
Navajo	4818	34	(16')-15%-Massive, clr.-lt. or., f. gr. sandstone
Navajo	4768	4804	(36')-11%-Massive, clr.-lt. or., f. gr. sandstone
Navajo	4710	30	(20')-10%-Massive, clr.-lt. or., f. gr. sandstone
Entrada	4456	4570	(114')-15%-Massive, wh., f. gr. sandstone
Entrada	4430	52	(22')-16%-Massive, wh., f. gr. sandstone
Entrada	4336	74	(38')-16%-Massive, wh., f. gr. sandstone
Entrada	4322	28	(6')-16%-Massive, wh., f. gr. sandstone
Entrada	4274	82	(8')-16%-Massive, wh., f. gr. sandstone
Entrada	4246	60	(14')-14%-Massive, wh., f. gr. sandstone
Summersville	4146	56	(10')-15%-Wh.-lt. or., f.-med., fri, glz sandstone
Brushy Basin	3450	65	(15')-18%-Thin, wh., vf.-f. gr. w. srt. sandstone
Brushy Basin	3330	50	(20')-10%-Thin, wh., vf.-f. gr. w. srt. sandstons
Cedar Mtn.	3218	26	(8')-16%-Thin, wh.-lt. brn, fri, sandstone
Dakota	3112	16	(4')-20%-Thin, off wh., v. f.-f. gr. sandstone
Dakota	3064	68	(4')-20%-Thin, med.-dk. gry, sndy siltstone
Dakota	2998	3002	(4')-20%-Thin, med.-dk. gry, sndy siltstone
Mancos	2940	44	(4')-16%-Thin, calc., wh.-m. gry siltstone
Mancos	2852	56	(4')-12%-Thin, calc, wh.-m. gry siltstone

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Dakot Silt	2987'	
Dakota Sandstone	3164'	
Cedar Mtn.	3191'	
Brushy Basin	3300'	
Salt Wash	3757'	
Summersville	4094'	
Moab Tongue	4144'	
Entrada	4234'	
Carmel	4575'	
Navajo	4700'	
Kayento	5126'	
Wingate	5320'	
Chinle	5767'	
T.D.	6251'	

CORES	TOP	BOTTOM	CUT	RECOVERY
#1	4504'	4536'	32'	- 28.7')
#2	4536'	4596'	60'	- 56.4') See Development Geology Exploratory Well
#3	4596'	4656'	60'	- 59.8') Final Report

DST's	TOP	BOTTOM	TIMES	RECOVERY	PRESSURES
#1 Cedar Mtn/B. Basin	3220'	3316'	5 IF, 140 ISI, 30 FF, 150 FSI	30' M, 0.714 MSCF	1455.1 IH, 34.9 IF, 1081.4 ISI 98.2 FF, 978.2 FSI, 1468 FH
#2 Brushy Basin	3344'	3507'	5 IF, 90 ISI, 30 FF, 180 FSI	540' M 2200 cc M	1716 IH, 314 IF, 1060 ISI 341 FF, 1044 FSI, 1684 FH

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-55492 PA

6. INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER Plugged and Abandoned

RECEIVED
MAR 28 1988
DIVISION OF OIL, GAS & MINING

7. UNIT AGREEMENT NAME
032906

2. NAME OF OPERATOR

Chevron U.S.A. Inc., Room 11111

8. FARM OR LEASE NAME

Horse Heaven

3. ADDRESS OF OPERATOR

P. O. Box 599, Denver, CO 80201

9. WELL NO.

Chevron 1-14 Federal

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface

1800' FNL, 1700' FEL (SW $\frac{1}{4}$ NE $\frac{1}{4}$)

10. FIELD AND POOL, OR WILDCAT

Horse Heaven-Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

S 14, T21S, R18E

14. PERMIT NO. 15. ELEVATIONS (Show whether OF, RT, OR, etc.)

43-019-31245

5162' GL

12. COUNTY OR PARISH 13. STATE

Grand

Utah

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

(Other)

Rehab site

X

(Other)

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

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

The Chevron 1-14 Federal was plugged and abandoned on 11-14-87. The location and access road have been rehabilitated and reseeded per BLM specifications and may be inspected at your convenience.

- 3 - BLM
- 3 - State
- 1 - EEM
- 3 - Drlg
- 1 - File
- 1 - Sec. 724C

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

SIGNED

John Walker

TITLE Technical Assistant

DATE 3-24-88

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

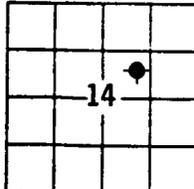
43-019-31245

Form 3160-14
(October 1986)
(formerly 9-593)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

INDIVIDUAL WELL RECORD

Sec. 14
T. 21 S.
R. 18 E.
SLB& _____ Mer.
Ref. No. _____



Drawn

Date March 23, 1988

FEDERAL

State Utah
County Grand
Field Horse Haven
Unit/CA Horse Haven (Proposed)
District Moab
Subdivision SWNE
Lease No. 55492
Lessee Chevron U.S.A., Inc. 100%
Operator Chevron U.S.A., Inc.
Well Name & No. Chevron 1-14 Federal
A.P.I. Well No. 43-019-31245
Location 1800' FNL and 1700' FEL

Date Drilling Approved August 25, 1987 Well Elevation 5162 Ungraded Feet
Date Drilling Commenced October 3, 1987 Total Depth _____ Feet
Date Drilling Ceased October 30, 1987 Initial Production _____
~~Oral to P&A~~ November 14, 1987 Gravity A.P.I. _____
~~Completed For Production~~ 9/21/92 Initial Reservoir Pressure _____
Abandonment Approved (Final) SRA

GEOLOGIC FORMATIONS

PRODUCTIVE HORIZONS

SURFACE	LOWEST TESTED	NAME	DEPTHS
Mancos	Chinle		

SURFACE MANAGEMENT AGENCY	<u>BLM</u>
MINERAL OWNERSHIP	<u>BLM</u>
LEASE EXPIRATION	<u>12/31/94</u>

RECEIVED
U.S. STATE
CONTENTS
1988 MAR 25 AM 10:00
DEPT. OF INTERIOR
BUREAU OF LAND MGMT.

WELL STATUS

YEAR	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1987										SPUD 10/3	P&A 11/14	

For Government Use Only

Production Memorandum _____ Lease Extension Memorandum _____
Remarks Geologic Markers and Casing Record: See Well File

RECEIVED

SEP 30 1992

DIVISION OF
OIL GAS & MINING

U-922