

FILE NOTATIONS

Entered in NID File
Location Map Pinned
Card Indexed

Checked by Chief
Approval Letter
Disapproval Letter

COMPLETION DATA:

Well Completed *6/28/76*
S.I.O.W
..... WW..... TA.....
..... OS..... PA.....

Location Inspected
Bond released
State or Fee Land

LOGS FILED

✓
Wellier's Log.....
Sonic Logs (No.)
..... I..... Dual I Lat..... GR-N..... Micro.....
Sonic GR..... Lat..... Mi-L..... Sonic.....
CBLog..... CLog..... Others.....

41 S 12 W 23

43-053-30025

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

(Other instructions on
reverse side)

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
Zion Crude Oil Company

3. ADDRESS OF OPERATOR
P.O. Box 370 Hurricane, Utah 84737

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface See area map attached plus certificated Civil Eng. Survey
At proposed prod. zone 1250 FWL & 12, FNL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
See area map attached

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1250'

16. NO. OF ACRES IN LEASE 440

17. NO. OF ACRES ASSIGNED TO THIS WELL - -

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 4399'

19. PROPOSED DEPTH 1200'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3612'GR

22. APPROX. DATE WORK WILL START* June 7, 1976

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
6" est.	7" est.	unknown	40' est.	cemented but amount unknown

Propose to deepen hole from est. 520' to est. 1200' Coconino. Will electric SP log. No water of any kind is indicated in drilling, to production zone. As usual in the Virgin Field and being at the edge of a syncline no gas pressure is indicated at this well. This well location is on the opposite side of the highway from our wells #3B/C by approximately 1800' and southwest, still within our 440 acre lease and same environmental conditions. Attached is the sheet with answers to the 12 point surface plan.

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING

DATE: 6-16-76

BY: C.B. Feight



old T.P. 650'

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. Murel Goodell
SIGNED: [Signature] TITLE: President DATE: 6/2/76

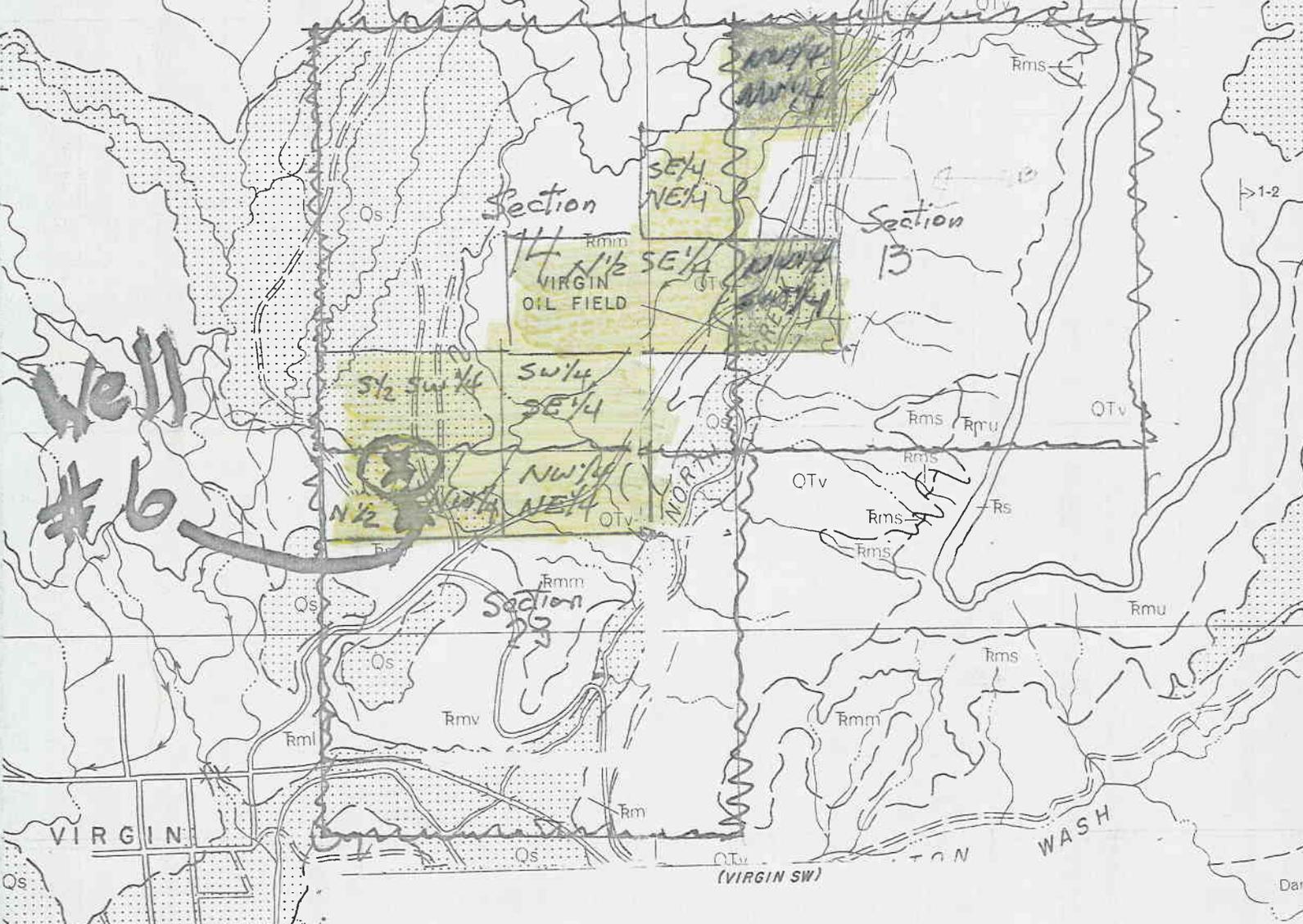
(This space for Federal or State office use)

PERMIT NO. 43-053-30025 APPROVAL DATE

APPROVED BY TITLE DATE

CONDITIONS OF APPROVAL, IF ANY:

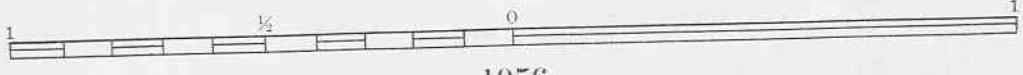
40 AC. Fed Lease
Yellow Area U-27359



PHOTOGEOLOGIC MAP
OF THE
VIRGIN NW QUADRANGLE
WASHINGTON COUNTY, UTAH

By
C. H. Marshall

Scale 1:24 000



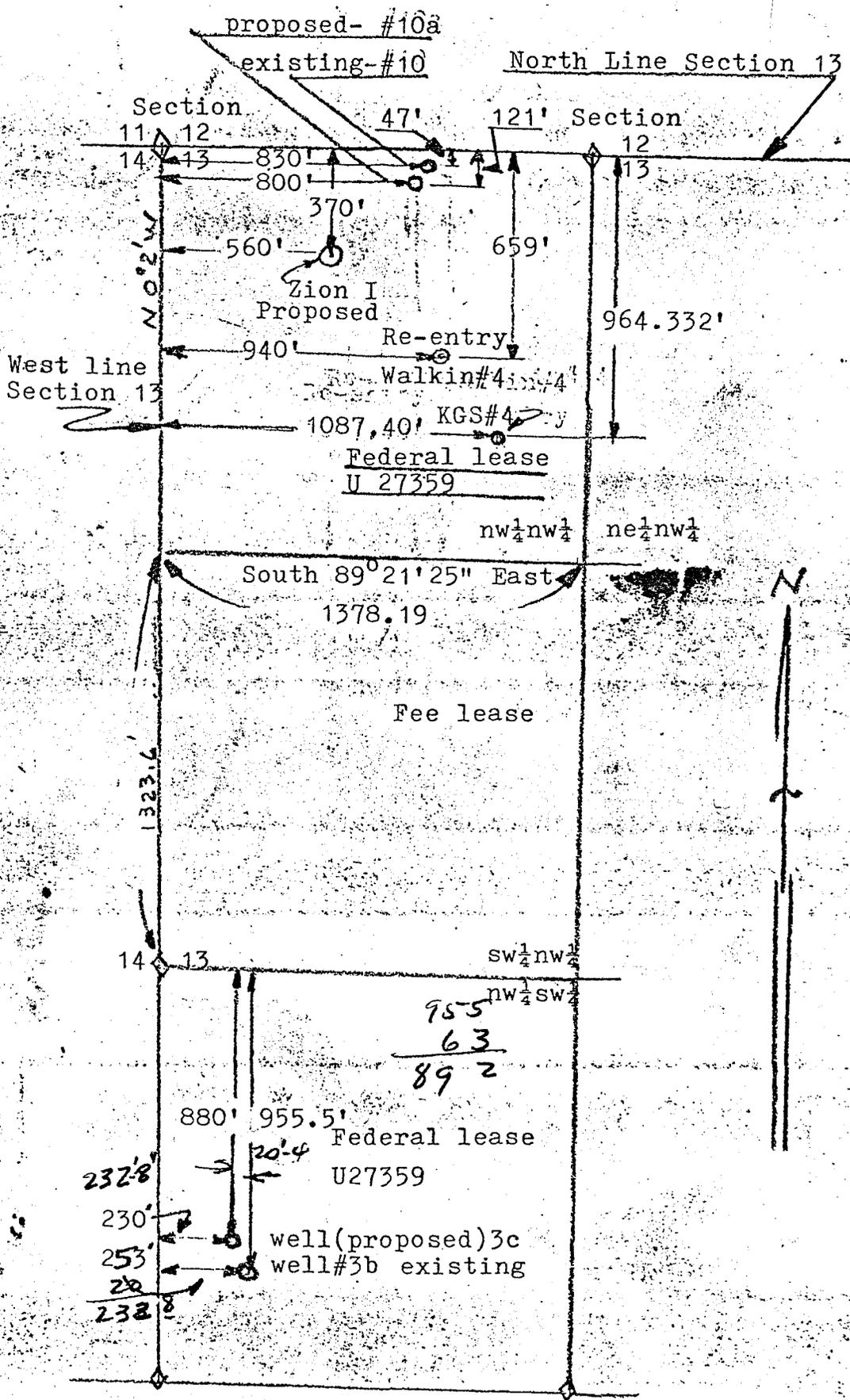
1956

ZION CRUDE OIL COMPANY

P. O. Box 370
Hurricane, Utah 84737
(801) 635-4872

- 1) Open hole type drilling. Use minimum 8 1/2" casing, 2 1/2" wall 40' surface casing.
- 2) This is a no energy field requiring no blow out preventers etc.
- 3) Drilling will be with a mud system + 40' viscosity, 7.85 mud wt. Ingersoll Rand is planning an experimental high speed percussion hammer drilling using 900 cfm 250 psi for cleaning hole. Proper hood baffle for chip control inc

Proposed Technical Datum



<p>New Drill Locations Wells #10a, Zion I, #3c. New Re entry well # Walkin #4</p>	
<p>SCALE: 1" = 50'</p>	<p>APPROVED BY: M. Goodell</p>
<p>DATE: 5/3/75</p>	<p>PREPARED BY: [Signature]</p>
<p>Zion Crude Oil Company P.O. Box 370, Hurricane, UT</p>	<p>DRAWN BY: MKC</p>
<p>801-635-4872</p>	<p>REVISED: MG</p>
<p>Federal O/G Lease U 27359</p>	<p>DRAWING NUMBER: 84737</p>

Township 41 South Range 12 West SLB&M

Note: All corners 1/2" iron staked.

CHECKED + CORRECT 12-12-76

DIVISION OF OIL, GAS, AND MINING

St. Clary & Deeper

FILE NOTATIONS

Date: June 16-
Operator: 3m Crude Oil Co.
Well No: Virgin Fed. #6
Location: Sec. 23 T. 41S R. 12W County: Washington

File Prepared
Card Indexed

Entered on N.I.D.
Completion Sheet

NEEDED:

- 1- STATUS
- 2- HOW TO CONTACT WHOEVER IS CURRENTLY RESPONSIBLE.

3/27/85

Sw

There is evidence in the field that #6, 6A + 6B are 3 separate wells.

and Coordin:

Morrison
9-18-85

Dorothy Swindel

10/9/85

Include Within

- Bond Requi
- Order No.
- Rule C-3(c)
- O.K. Rule
- Other:

P+A

- P+A marker in place

- Lat Required
- Prevention Equipment
- ms or controls acreage site
- Unit

-D&S Written

DIVISION OF OIL, GAS, AND MINING

H. C. C. & Deeper

FILE NOTATIONS

Date: June 16-
 Operator: 3-in Crude Oil Co.
 Well No: Virgin Fed. #6
 Location: Sec. 23 T. 41S R. 12W County: Washington

File Prepared Entered on N.I.D.
 Card Indexed Completion Sheet

Checked By:
 Administrative Assistant: *[Signature]*

Remarks:

Petroleum Engineer/Mined Land Coordinator: P. Driscoll J.K.O.

Remarks:

Director: *[Signature]*

Remarks:

Include Within Approval Letter:

Bond Required Survey Plat Required
 Order No. Blowout Prevention Equipment
 Rule C-3(c) Topographical exception/company owns or controls acreage within a 660' radius of proposed site
 O.K. Rule C-3 O.K. In _____ Unit
 Other:

Letter Written

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL [] DEEPEN [xxx] PLUG BACK []

b. TYPE OF WELL OIL WELL [xxx] GAS WELL [] OTHER [] SINGLE ZONE [xxx] MULTIPLE ZONE []

2. NAME OF OPERATOR Zion Crude Oil Company

3. ADDRESS OF OPERATOR P.O. Box 370 Hurricane, Utah 84737

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) At surface See area map attached plus certificated Civil Eng. Survey At proposed prod. zone 1250' FWL & 12' FWL Sec 23

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* See area map attached

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 1250'

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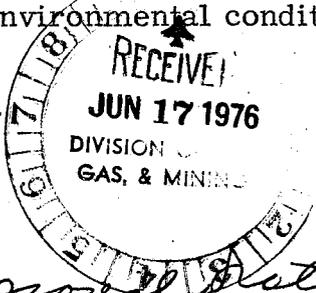
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3612'GR

22. APPROX. DATE WORK WILL START* June 7, 1976

23. PROPOSED CASING AND CEMENTING PROGRAM

Table with 5 columns: SIZE OF HOLE, SIZE OF CASING, WEIGHT PER FOOT, SETTING DEPTH, QUANTITY OF CEMENT. Row 1: 6" est., 7" est., unknown, 40' est., cemented but amount unknown.

Propose to deepen hole from est. 520' to est. 1200' Coconino. Will electric SP log. No water of any kind is indicated in drilling, to production zone. As usual in the Virgin Field and being at the edge of a syncline no gas pressure is indicated at this well. This well location is on the opposite side of the highway from our wells #3B/C by approximately 1800' and southwest, still within our 440 acre lease and same environmental conditions. Attached is the sheet with answers to the 12 point surface pl.



Well initially sold under Plav Claim

Approved by Murel Goodell - Utah Div of O, & M

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 Murel Goodell TITLE President DATE 6/2/76

(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE JUN 11 1976

APPROVED BY Ed Szymanski TITLE DISTRICT ENGINEER DATE JUN 15 1976

CONDITIONS OF APPROVAL, IF ANY:

U.S. GEOLOGICAL SURVEY, CONSERVATION DIVISION



FROM: DISTRICT GEOLOGIST, SALT LAKE CITY, UTAH
 TO: DISTRICT ENGINEER, SALT LAKE CITY, UTAH

Well	Location	Lease No.
Zion Crude Oil Co. #6	1250' FWL, 12' FNL, sec. 23, T.41S, R.12W, SLM, Washington Co, Utah, Gr. El. 3612'.	U-27359

1. **Stratigraphy and Potential Oil and Gas Horizons.** The well will spud in covering deposits of windblown silt and alluvium and Moenkopi Formation. The surface rocks are Moenkopi (Triassic). The Kaibab was encountered at 695' in E. R. Bardwell #1 (elev. 3602'), same section. The structure is a north dipping monocline with porosity pinchout.
2. **Fresh Water Sands.** In a report from sec. 14, T. 41 S., R. 12 W., WRD reported: "Moenkopi Fm.--surface to greater than 600 ft. The Moenkopi Formation produced briny water from a depth of 632 to 636 feet in a nearby oil test. The upper 100 feet of the formation may produce fresh or slightly saline water and should be protected by casing." (See page 2 for WRD report on E.G.Stubbs-Virgin #1.)
3. **Other Mineral Bearing Formations.** (Coal, Oil Shale, Potash, Etc.) Well is approximately 4 miles east of the KGRA.
4. **Possible Lost Circulation Zones.** Unknown
5. **Other Horizons Which May Need Special Mud, Casing, or Cementing Programs.** Unknown
6. **Possible Abnormal Pressure Zones and Temperature Gradients.** Unknown
7. **Competency of Beds at Proposed Casing Setting Points.** Probably adequate.
8. **Additional Logs or Samples Needed.** None
9. **References and Remarks** Within the Virgin Field KGS.

Date: AUG 20 1976 Signed: *Eileen Rana* State Oil and Gas

Depths of fresh-water zones:

E. G. Stubbs, Virgin No. 1

620' fsl, 578' fw1, lot 7, T. 41 S., R. 11 W., SLBM, Washington Co. Utah

Elev. 3,800 ft GL, test to 2,500 ft

<u>Stratigraphic unit</u>	<u>Tops, approx.</u>	<u>Quality of water</u>
Moenkopi Fm	surface	useable/saline
Kaibab Ls	1,160 ft	useable (?)
Toroweap Fm	1,500	useable (?)
Coconino Ss	1,900	useable (?) / saline
Pennsylvanian	2,000	saline/brine

Water wells in the vicinity of the proposed test do not exceed 400 ft in depth. The chemical quality of water from the Kaibab Ls and Toroweap Fm is not known, but may be useable. Aquifers of Pennsylvanian age probably contain saline water or brine.

USGS - WRD
2-17-71

Zion Crude Oil Co.
 Well No. 6
 NE 1/4 NW 1/4 Sec 23-41S-12W
 Virgin Field
 Washington Co., Utah
 Oil # 660 Lse U-27359

Guyon - 4565
 Goodell - Oper (Zion)
 Bill Dalness - BLM
 Lanny Ream - BLM

- Enhances
- No Impact
- Minor Impact
- Major Impact

Construction	Pollution	Drilling Production	Transport Operations	Accidents	Others
Roads, bridges, airports	Burning, noise, junk disposal	Well drilling	Trucks	Spills and leaks	
Transmission lines, pipelines	Liquid effluent discharge	Fluid removal (Prod. wells, facilities)	Pipelines	Operational failure	
Dams & impoundments	Subsurface disposal	Secondary Recovery	Others		
Others (pump stations, compressor stations, etc.)	Others (toxic gases, noxious gas, etc.)	Noise or obstruction of scenic views			
		Mineral processing (ext. facilities)			
		Others			

Land Use	Construction	Pollution	Drilling Production	Transport Operations	Accidents	Others
Forestry						
Grazing						
Wilderness		/	/	/	/	/
Agriculture						
Residential-Commercial						
Mineral Extraction	0	0	0 0	0	/	/
Recreation						
Scenic Views		/	/	/	/	/
Parks, Reserves, Monuments						
Historical Sites						
Unique Physical Features						
Flora & Fauna	Construction	Pollution	Drilling Production	Transport Operations	Accidents	Others
Birds	/ /	/ /	/	/ /	/	/
Land Animals	/ /	/ /	/	/ /	/	/
Fish						
Endangered Species						
Trees, Grass, Etc.	/ /	/ /	/	/ /	/	/
Phy. Charact.	Construction	Pollution	Drilling Production	Transport Operations	Accidents	Others
Surface Water						
Underground Water						
Air Quality		/	/ /	/	/	/
Erosion	/		/	/		
Other						
Effect On Local Economy			0 0	0		
Safety & Health	0	/ /	/ /	/ /	/	

Others
 Orig: Free
 cc: Reg - Denver
 B.M. Cedar City w/ornament
 Cedar Air & Ovals

Lease

U. 27 359

Well No. & Location Zion Crude well #6 NE/4NW/4NW/4 Sec 23 - 4/5-12 W S16 & 1m

Virgin Fld - Washington Co., Utah

ENVIRONMENTAL IMPACT ANALYSIS - ATTACHMENT 2-B

1. Proposed Action

- 1) Operator proposes to enter existing well drilled under Placer Claim, 1930 to 650' TD - and deepen well to 1200' TD.
- 2) Existing pad will be used. Small pit will be dug for cuttings.
- 3) Existing access will be used.
- 4) No additional surface disturbance required for this activity (Old city dump).

2. Location and Natural Setting (existing environmental situation)

Location falls in a general flat area with a minor drainage channel about 300' west of site. This is an old well drilled under Placer Claim in 1930. The well site was an old city dump to 1920. Operator has rehabilitated dump site by burying all contents. The drill pad area exists all necessary access roads exist.

Minor drainage runs South. Very scattered sagebrush w/ minor sparse grass and cactus in area. Supports a sparse population of birds, rodents and reptiles - mostly lizards.

The drill site is best location & exists.

No adverse impacts anticipated

No historical or archeological sites that have not already been disturbed as all surface un areas exist cleared.

3. Effects on Environment by Proposed Action (potential impact)

Minor air pollution on short term ~~to~~ from rig and support traffic exhaust emissions.

Minor potential for induced and accelerated erosion of small area due to surface use for equipment and support traffic use.

Very minor pollution potential from spills or loss of well control (shallow-low press. reservoir)

Well will be air drilled - dust from drilling operations would have very minor effect on vegetation & wild life. Pit will contain cuttings.

No adverse impacts -

Minor visual impacts on short term

Minor noise impacts - short term.

4. Alternatives to the Proposed Action

No + to approve the Application - location falls in existing oil field area - No justification for denying approval.

Re: Cedar City District Oil & Gas Leasing Program
EAR 8/20/75

5. Adverse Environmental Effects Which Cannot Be Avoided

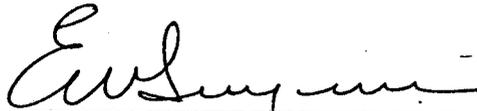
- 1) Minor air pollution for short term
- 2) minor potential for induced & accelerated erosion due to support traffic use - location exists.
- 3) Very minor impact on sparse wild life & vegetation

6. Determination

(This requested action ~~does~~ (does not) constitute a major Federal action significantly affecting the environment in the sense of NEPA, Section 102(2) (c).

Date Inspected 6/11/76

Inspector Lanny Ream


U.S. Geological Survey,
Conservation Division
Salt Lake City District
Salt Lake City, Utah

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-27359
2. NAME OF OPERATOR Zion Crude Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR POB 370, Hurricane, Utah 84737		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SEC 23, 16' FNL, 1240' FWL		8. FARM OR LEASE NAME
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, OR, etc.) 3612' GR	9. WELL NO. #6A
		10. FIELD AND POOL, OR WILDCAT Virgin
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA T41S R12W Sec 23 N/2 NW/4
		12. COUNTY OR PARISH Washington
		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 <input type="checkbox"/>	FULL 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 checked="" type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input 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.)*

Permission requested to open well 6A and conduct an acid fracture between 980' and 1000' using 1000 gallons of 15% Hydrochloric acid.

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING

DATE: Dec 13, 1976

BY: Ph Russell

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

SIGNED [Signature] TITLE President DATE 12-13-76

(This space for Federal or State office use)

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

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

5. LEASE DESIGNATION AND SERIAL NO. U-27359
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
9. WELL NO. #6
10. FIELD AND POOL, OR WILDCAT Virgin
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA T41S R12W SEC 23 N/2 NW/4
12. COUNTY OR PARISH Washington
13. STATE Utah

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Zion Crude Oil Company

3. ADDRESS OF OPERATOR
POB 370, Hurricane, Utah 84737

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
1250' FWL, 12' FNL, Sec 23

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
3612' 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"/>	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 type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) <input type="checkbox"/>	disturb surface <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.)*

This notice is in association with Zion Crude Oil Company's application to re-enter and deepen well #6.(filed June 2, 1976).

The location of well number 6 was formerly the city dump for the city of Virgin, Utah. Within a radius of approximately 60' of the well #6 marker, there were several pits and mounds of trash(particularly bottles and cans). In an effort to reduce the hazard to the crew and equipment, we had the immediate area graded, removing some trash to the present dump and smoothed over the trash pits.

The size of the originally cleaned area remained substantially the same through the work on 6A and 6B.

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING

DATE: Dec. 13, 1976

BY: P. H. Mucall

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

SIGNED TITLE President DATE 12-13-76

(This space for Federal or State office use)

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

ZION CRUDE OIL COMPANY

P. O. Box 370
Hurricane, Utah 84737
(801) 635-4872

*Sent special Delivery
10:45 AM 6/3/76*

June 2, 1976 *to Sonja*

*McCormick for
Distribution to
State & Fed.*

USDI
Geological Survey, Conservation Division
University Club Building,
South Temple, East,
Salt Lake City, Utah



Subject: Application to deepen Well #6
T41S R12W Section 23 N/2
NW/4 Washington County, Utah.

Dear Sirs:

Answers to the 12 Point development program follow herewith per attached application on your form 9-331-C:

- #1 See attached area map.
- #2 None required, as shown.
- #3 2 copies all well surveys we know of attached herewith.
- #4 See attached plats.
- #5 See attached sketch
- #6 See attached sketch
- #7 All work will be contained and removed to City Dump.
- #8 None req'd
- #9 None req'd
- #10 See attached sketch
- #11 Will restore surface, clean & neat.
- #12 Area is level flat and surface disturbance is practically nil. See attached plat.

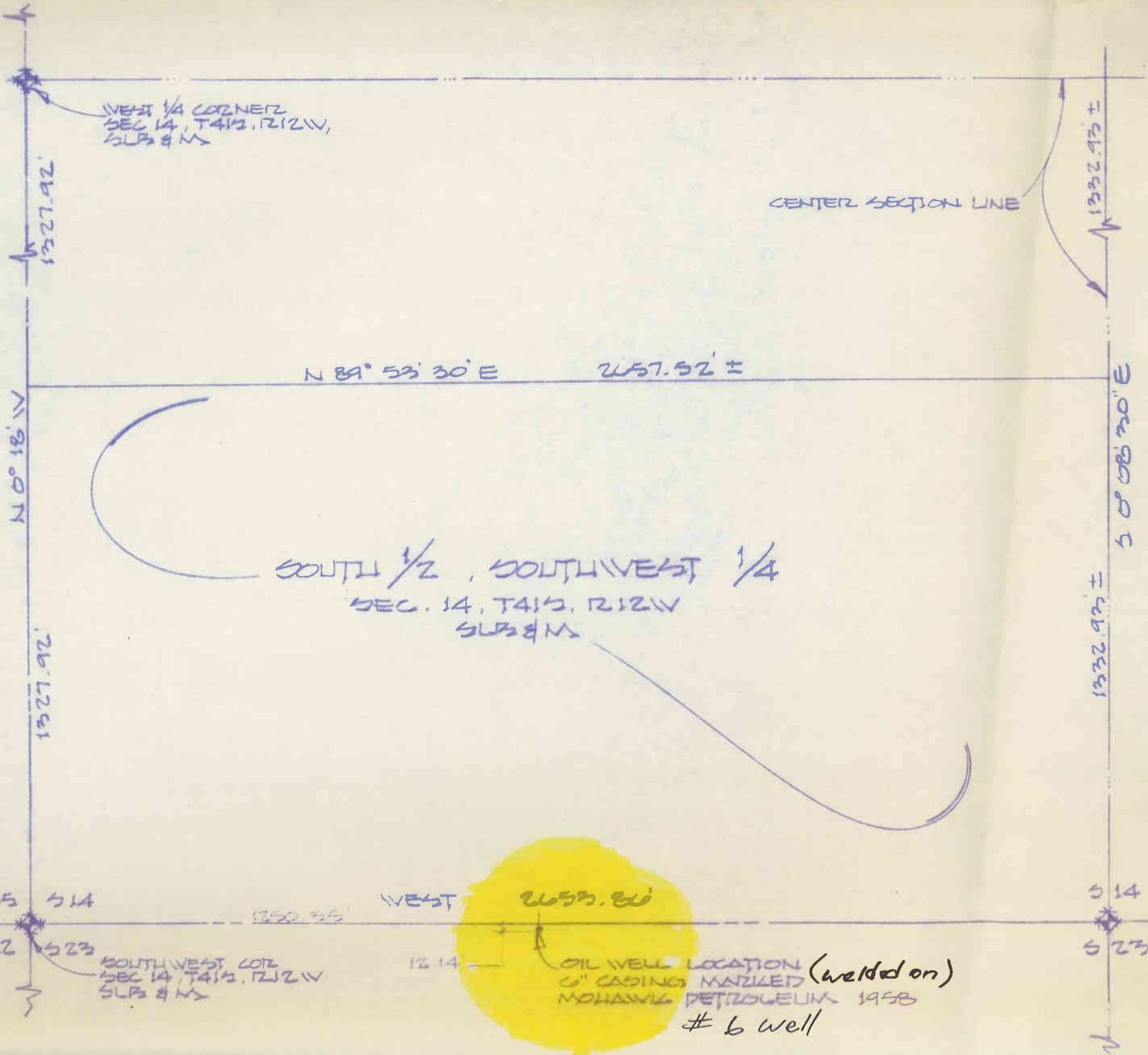
Murel Goodell President

Attachments Application form 9-331-C, Survey Plat, 2 well location plats, Area map/ includes U27359 lease area, Rig tank location sketch, Copy Fed lease.

Copy: State of Utah, Oil & Gas Division.



SCALE: 1"=300'



WEST 1/4 CORNER
SEC 14, T41N, R12W,
SLP # M

1327.92'
1327.92'

CENTER SECTION LINE

1332.93' ±

N 89° 53' 30" E 2657.52' ±

N 0° 18' W

S 0° 08' 30" E

SOUTH 1/2, SOUTHWEST 1/4
SEC. 14, T41N, R12W
SLP # M

1327.92'
1327.92'

1332.93' ±

S15 S14
S22 S23

SOUTHWEST CORNER
SEC 14, T41N, R12W,
SLP # M

WEST 2657.52'

12 14

OIL WELL LOCATION (welded on)
6" CASING MARKED
MOHAMMAD PETROGLUK 1958
6 well

S 14
S 23

SURVEYOR'S CERTIFICATE

I, Gale E. Day, St. George, Utah, do hereby certify that I am a registered Land Surveyor and that I hold License No. 2432, as prescribed by the laws of the State of Utah and I have located an Oil Well at the following described location, located in Washington County, State of Utah.

6" Oil Well Casing marked Mohawk Petroleum 1958 is located in Section 23, Township 41 South, Range 12 West, Salt Lake Base and Meridian at a point East 1250.35 feet along the Section line and due South 12.14 feet from the Northwest Corner of said Section 23.

Date 5-24-76

Gale E. Day

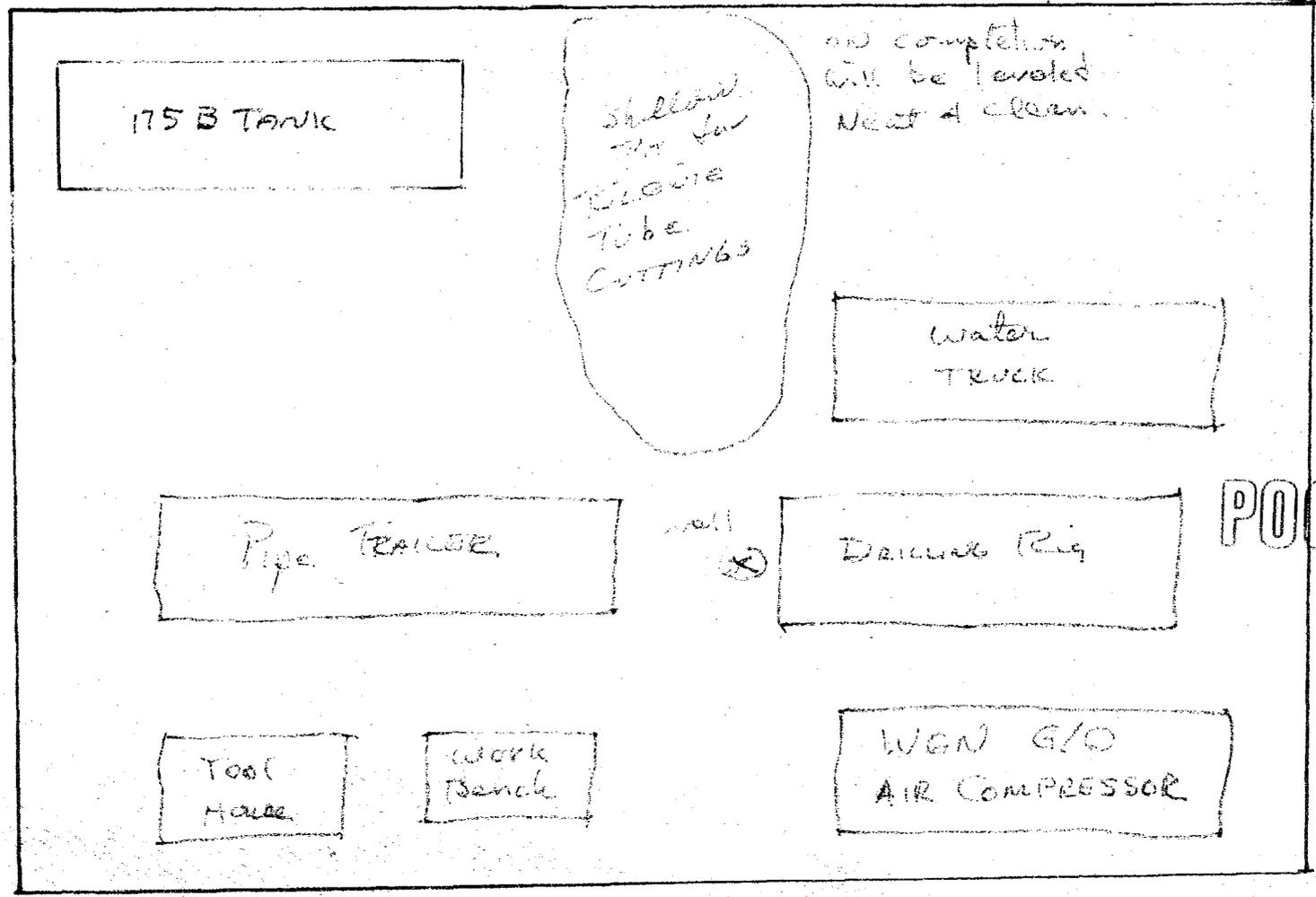
Gale E. Day
License No. 2432
BUSH & GUDGELI, INC.

PREPARED BY
BUSH & GUDGELI, INC.
ST. GEORGE, UTAH

75'



50'



on completion
will be leveled
Next 4 clean.

shallow
4' or less
Blow
tube
cuttings

water
TRUCK

Pipe TRAILER

Drill Rig

Tool
House

work
bench

WGN G/O
AIR COMPRESSOR

No surface disturbance
is proposed because
area is flat with
infrequent large boulders
on the ground.

POOR COPY

Drill Site Layout & Fenced for CATTLE STRAYS. SKETCH		
SCALE: 1" = 10'	APPROVED BY:	DRAWN BY:
DATE: 6-2-76		REVISED:
Well # 6 T413 R12W SECTION 23 N 1/2 N 1/4 Washington County SL 4 M		
Iron Creek Oil Company P.O. Box 370 Hurricane UTAH 84737		DRAWING NUMBER # 62769

- 1) Tanks & Flow Line will occupy Drill Site on completion
- 2) Curving Samples every 5' will be stored in Terminal area.

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

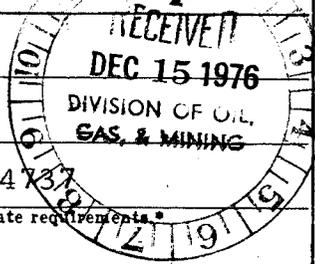
5. LEASE DESIGNATION AND SERIAL NO.

U-27359

6. IF 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.)



7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.

all wells #6

10. FIELD AND POOL, OR WILDCAT

Virgin

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

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
XXXX Zion Crude Oil Company

3. ADDRESS OF OPERATOR
POB 370, Hurricane, Utah 84737

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

all wells

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, OR, etc.)

3600' to 3688'

12. COUNTY OR PARISH

Washington

18. STATE

Utah

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other) well markers

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(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.)*

We request permission to be able to ~~mark~~ ^{mark} the well sites with 3" drill pipe, rather than 4" pipe. We had some old drill pipe on hand; we welded on Company name, well number and location, painted the markers silver, and located them several feet from the appropriate wells. The markers as stated above are in place at this time.

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING

DATE: Dec. 17, 1976

BY: Ph Driscoll

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

SIGNED

[Signature]

TITLE

President

DATE

12-13-76

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

2nd Amendment #6 well all conditions same except to redrill hole 20' ~~east~~ ^{east} from #6A

Form 9-331 C (May 1963) UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Form approved. Budget Bureau No. 42-R1425.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

a. TYPE OF WORK DRILL DEEPEN PLUG BACK

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

1. NAME OF OPERATOR Zion Crude Oil Company

2. ADDRESS OF OPERATOR P.O. Box 370 Hurricane, Utah 84737

3. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1161' FWC & 2' FMC Section 23

4. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE

5. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)

6. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

7. ELEVATIONS (Show whether DF, RT, GR, etc.)

5. LEASE DESIGNATION AND SERIAL NO. 4 27359

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO. 6B (amended #6)

10. FIELD AND POOL, OR WILDCAT Virginia

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 30080 4th 4th T41 S R. 10 W. 60 N

12. COUNTY OR PARISH 13. STATE Carbonate Utah

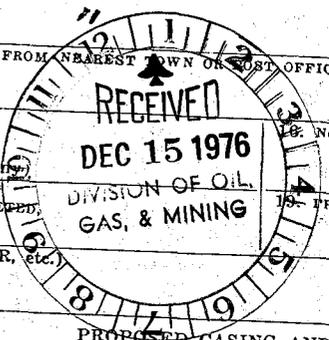
14. NO. OF ACRES IN LEASE

15. PROPOSED DEPTH

16. NO. OF ACRES ASSIGNED TO THIS WELL

17. ROTARY OR CABLE TOOLS

18. APPROX. DATE WORK WILL START



PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT

Same as #6A filed 7/30 of #6 well 4/2/76 completion report attached herewith for #6A

1st drilling #6A we hit a high angle fault & deviated 40' to miss economic oil zone - now that we know this this well location will compensate for fault - we expect well into slight BOPD production from this final location.

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.

SIGNED Law Dorr TITLE President DATE August 16, 1976

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: _____

*See Instructions On Reverse Side

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved. Budget Bureau No. 42-R355.5

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

5. LEASE DESIGNATION AND SERIAL NO.

1122859

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.

6A (amended 26)

10. FIELD AND POOL, OR WILDCAT

Virgin same hole

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

Sec 30 NW 1/4 T19N R10W S14E

12. COUNTY OR PARISH

Washington

13. STATE

VT

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

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

2. NAME OF OPERATOR: Zion Code Oil Company

3. ADDRESS OF OPERATOR: P.O.

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

At surface: 1181' EWC 0 8' EWC

At top prod. interval reported below: " "

At total depth: 1191' EWC 0 8' EWC " "

14. PERMIT NO. DATE ISSUED: original 8 6/10/76

5. DATE SHUDDERED: 1/5/76

16. DATE T.D. REACHED: 8/10/76

17. DATE COMPL. (Ready to prod.): none

18. ELEVATIONS (DF, RKB, RT, GR, ETC.): 3612 GR

19. ELEV. CASINGHEAD: same C

6. TOTAL DEPTH, MD & TVD: 1188 1872'

21. PLUG, BACK T.D., MD & TVD

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY: ROTARY TOOLS

CABLE TOOLS

7. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: none

25. WAS DIRECTIONAL SURVEY MADE

8. TYPE ELECTRIC AND OTHER LOGS RUN: Gamma Neutron attached

27. WAS WELL CORED

CASING RECORD (Report all strings set in well)

Table with columns: CASING SIZE, WEIGHT, LB./FT., DEPTH SET (MD), HOLE SIZE, CEMENTING RECORD, AMOUNT PULLED. Includes handwritten entry: 7" casing, 80' depth, 8" hole size, 1/2 lbs cement.

LINER RECORD

30. TUBING RECORD

Table with columns: SIZE, TOP (MD), BOTTOM (MD), SACKS CEMENT*, SCREEN (MD), SIZE, DEPTH SET (MD), PACKER SET (MD)

PERFORATION RECORD (Interval, size and number)

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

Table with columns: DEPTH INTERVAL (MD), AMOUNT AND KIND OF MATERIAL USED. Includes handwritten entry: Surface casing 30' squeezed 1/2 lbs cement only.

PRODUCTION

9. FIRST PRODUCTION: None

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)

WELL STATUS (Producing or shut-in)

Table with columns: HOURS TESTED, CHOKER SIZE, PROD'N. FOR TEST PERIOD, OIL—BBL., GAS—MCF., WATER—BBL., GAS-OIL RATIO

Table with columns: CASING PRESSURE, CALCULATED 24-HOUR RATE, OIL—BBL., GAS—MCF., WATER—BBL., OIL GRAVITY-API (CORR.)

DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

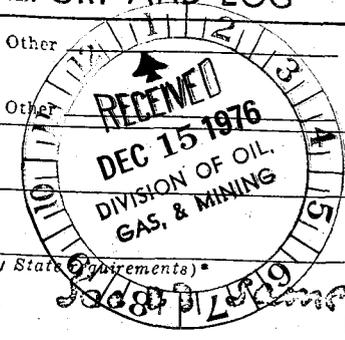
TEST WITNESSED BY

LIST OF ATTACHMENTS: 2 sets Gamma neutron attached

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

SIGNED: [Signature] TITLE: Resident DATE: 8/16/76

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





District Oil and Gas Engineer
U. S. Geological Survey
Conservation Division
8440 Federal Building
Salt Lake City, Utah 84138.

Re: Stipulation

Dear Sir:

#6

ZION CRUDE OIL CO. is the owner of U. S. Oil and Gas Lease U-27359, and proposes to drill a well on the leased premises to test for oil and gas at a location in the N $\frac{1}{2}$ NW $\frac{1}{4}$ Section 23, T. 41S, R. 12W, 112°00' Mer., Washington County, State of Utah, 1250' from West line and 12' from North line of Section 14.

Section 221.20 of the Federal Oil and Gas Regulations requires that no well be drilled less than 200' from the boundary of any legal subdivision without the written consent of the Supervisor, United States Geological Survey. The proposed location is approximately 16 ft. from the north boundary line of the N $\frac{1}{2}$ NW $\frac{1}{4}$ of Section 23, but is considered to be necessary because of excessive hole deviation away from target oil zone.

Therefore, Zion Crude Oil Company, Lessee, requests the consent of the Supervisor to the drilling of the proposed well at the above-described location. In consideration of such consent, Zion Crude Oil Company, Lessee, hereby expressly covenants and agrees that he will make no separate assignments of the S $\frac{1}{2}$ NW $\frac{1}{4}$ and the N $\frac{1}{2}$ NW $\frac{1}{4}$ Sections 14 + 23, T. 41S, R. 12W, Mer., and that he will keep the two described subdivisions under joint assignment until the above-mentioned well has been plugged and abandoned with the approval of the Supervisor.

Very truly yours,

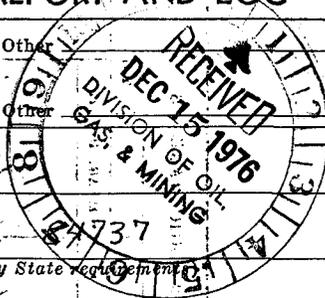
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

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

2. NAME OF OPERATOR: ZION CRUDE OIL CO.

3. ADDRESS OF OPERATOR: PO Box 370, HURRICANE Utah 84737

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements):
At surface: 3612'
At top prod. interval reported below:
At total depth: 870'

5. LEASE DESIGNATION AND SERIAL NO.: U-27359

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME:

9. WELL NO.: #68 amended #6

10. FIELD AND POOL, OR WILDCAT OR AREA: Virgin Field (same hole)

11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA: T41S R12W Sec 23 N/2 NW/4

12. COUNTY OR PARISH:

13. STATE:

14. PERMIT NO.: 43-053-30025 DATE ISSUED:

15. DATE SPUN: 8-20-76 16. DATE T.D. REACHED: 10-14-76 17. DATE COMPL. (Ready to prod.): 18. ELEVATIONS (DF, RKB, RT, GR, ETC.): 3612' GR 19. ELEV. CASING HEAD: 3612'

20. TOTAL DEPTH, MD & TVD: 870' 21. PLUG, BACK T.D., MD & TVD: 22. IF MULTIPLE COMPL., HOW MANY*: 23. INTERVALS DRILLED BY: percussion ROTARY TOOLS: CABLE TOOLS:

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: no oil show

25. WAS DIRECTIONAL SURVEY MADE: NO

26. TYPE ELECTRIC AND OTHER LOGS RUN: Gamma-Ray-Neutron; Caliper

27. WAS WELL COBBED: NO

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
7" OD	approx. 15	42'	set in 8"	2 yards	

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
	NONE	

31. PERFORATION RECORD (Interval, size and number): NONE

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.: NONE

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	NONE

33.* PRODUCTION

DATE FIRST PRODUCTION: DRY HOLE PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump): WELL STATUS (Producing or shut-in):

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

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

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

35. LIST OF ATTACHMENTS: one Gamma Ray-Neutron; Caliper logs

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

SIGNED: [Signature] TITLE: [Signature] DATE: 12/13/76

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

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal, or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

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

DESCRIPTION, CONTENTS, ETC.

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
			1) drilled to 800' (6 1/8" hole); at 772' hit a faulted zone with 200 gpm brackish water in-tusion.			
			2) made six separate attempts to stop water; approx. 2 yards cement used each attempt.			
			3) plugged bottom of hole with 10 yards cement.			
			4) made made three attempts to Whipstock out of original + faulted zone: 690', 670', + 662'.			
			5) third Whipstock attempt successful; 4 3/4" hole drilled to 870'.			
			6) Whipstocked hole dry to TD - no fluid. Coconino (target oil zone) missed entirely.			

Sea side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

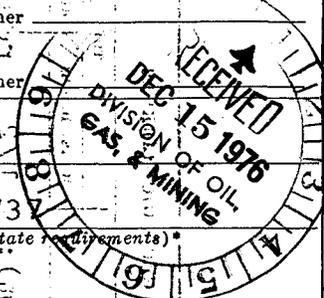
SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.6.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other _____										5. LEASE DESIGNATION AND SERIAL NO. U-27359			
b. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input checked="" type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____										6. IF INDIAN, ALLOTTEE OR TRIBE NAME			
2. NAME OF OPERATOR Zion Crude Oil Company										7. UNIT AGREEMENT NAME			
3. ADDRESS OF OPERATOR POB 370, Hurricane, Utah 8473										8. FARM OR LEASE NAME			
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 3612' At top prod. interval reported below At total depth XXX Deepened to 794'; logged depth 787'										9. WELL NO. #6			
14. PERMIT NO. _____ DATE ISSUED 6-11-76										10. FIELD AND POOL, OR WILDCAT Virgin Field			
15. DATE SPUNDED 6-16-76										11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA T41S R12W SEC 23 N/2 NW/4			
16. DATE T.D. REACHED 6-28-76										12. COUNTY OR PARISH Washington			
17. DATE COMPL. (Ready to prod.) -----										13. STATE Utah			
18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 3612' GR										19. ELEV. CASINGHEAD 3612'			
20. TOTAL DEPTH, MD & TVD 794										21. PLUG, BACK T.D., MD & TVD -----			
22. IF MULTIPLE COMPL., HOW MANY* -----										23. INTERVALS DRILLED BY -----			
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* no show										25. WAS DIRECTIONAL SURVEY MADE no			
26. TYPE ELECTRIC AND OTHER LOGS RUN Gamma M Ray-Neutron; SP Electric (enclosed 7-9-76)										27. WAS WELL CORED? no			
28. CASING RECORD (Report all strings set in well)													
CASING SIZE approx. 6 1/2		WEIGHT, LB./FT. unknown		DEPTH SET (MD) less than 100'		HOLE SIZE XXXXXX 6 1/8"		CEMENTING RECORD see back		AMOUNT PULLED			
29. LINER RECORD						30. TUBING RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)		SIZE			
				NONE						NONE			
31. PERFORATION RECORD (Interval, size and number)						32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
NONE						NONE							
33.* PRODUCTION													
DATE FIRST PRODUCTION dry hole				PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in) SHUT-IN					
DATE OF TEST		HOURS TESTED		CHOKE SIZE		PROD'N. FOR TEST PERIOD		OIL—BBL.		GAS—MCF.			
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL—BBL.		GAS—MCF.		WATER—BBL.			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)										TEST WITNESSED BY			
35. LIST OF ATTACHMENTS 1 ea Gamma Ray 1 ea SP Electric													
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records													
SIGNED <i>[Signature]</i>				TITLE R. L.				DATE 1/18/76					



202133C10M2

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

INSTRUCTIONS

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If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORDED 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.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
			1) Surface water leak in the original surface casing (less cement squeezed in to stop water.		1 1/2 yards	
			2) At 794', approx. 50 gpm brackish water; used approx. 1 1/2 yards of cement to stop water			

SonJa V. McCormick
Oil, Gas and Minerals

A-303 KEARNS BUILDING □ SALT LAKE CITY, UTAH 84101 □ (801) 322-4266

copy to all files

TRISH



February 23, 1977

CIRCULATE TO:
DIRECTOR
PETROLEUM ENGINEER
MINE COORDINATOR
ADMINISTRATIVE ASSISTANT
ALL

[Handwritten initials and checkboxes]

RETURN TO *Kathy O.*
FOR FILING

Mr. Murel Goodell
P. O. 370
Hurricane, Utah 84737

Re: Compliance
Shut In Order Dated October 28, 1976
Issued to Zion Crude Oil Company
Geological Survey Office

Dear Murel:

I have this date, pursuant to your request, contacted the Geological Survey office to speak with Mr. Ed Guynn and/or Mr. Bill Martin requesting a written release of the Shut In Order issued to Zion Crude Oil Company on October 28, 1976, due to the fact that Zion has complied with all requirements and filed all instruments on December 15, 1976 with the Geological Survey Office and the Utah State Oil and Gas Commission, also advising Mr. Paul Reimann, Assistant to the Attorney General, State of Utah, that instruments were timely filed.

I talked with Mr. Bill Martin and he indicated he would check the file and talk with Mr. Guynn on this matter and call me back this date. I have not heard from him.

Murel, I have contacted the Geological Survey office on several occasions - noted - 1/17/77, 2/7/77, 2/15/77, 2/23/77, requesting that they issue you a written release so that you can continue operations on your lease, Utah 27359.

I previously advised you that Mr. Guynn did indicate that if you have complied with all requirements outlined in the Shut In Order dated October 28, 1976, you can proceed with your operations; however, you have rejected his verbal approval due to the fact that in previous conversations with Mr. Guynn, he advised you that you should have approval from the GS office.

I am sorry, Murel, that it appears I have not taken care of this matter to your satisfaction, but as I mentioned I have called the GS office several times and Mr. Martin and/or Mr. Guynn said they would take care of it after reviewing the files. I realize I am costing you unnecessary expense, so I would suggest that you take care of this matter and take the necessary steps to protect yourself in this matter.

I am enclosing herewith a statement for services and expenses relating to above.

Very truly yours,

[Handwritten signature: SonJa V. McCormick]

cc: Utah Oil & Gas Commission SonJa V. McCormick



CALVIN L. RAMPTON
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

STATE OF UTAH

GUY N. CARDON
Chairman

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS, AND MINING

CHARLES R. HENDERSON
ROBERT R. NORMAN
JAMES P. COWLEY
HYRUM L. LEE

CLEON B. FEIGHT
Director

1588 West North Temple
Salt Lake City, Utah 84116

(801) 533-5771
March 10, 1977

Zion Crude Oil Company
P. O. Box 370
Hurricane, Utah 84737

(Dry hole - refer to memo
dated: 1-27-77; Monthly report
dated: Oct, 76)
Re: WELL NO. VIRGIN #6
Sec. 23, T. 41S, R. 12W
Washington County, Utah

Gentleman:

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

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

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

KATHY OSTLER
RECORDS CLERK

Conservation Division
8440 Federal Building
Salt Lake City, Utah 84138

August 9, 1977



P
Zion Crude Oil Company
P.O. Box 370
Hurricane, Utah 81737

Re: Disposal of Produced Water
NTL-2B
Well #6A (Re-entry)
NW NW Sec. 23, T. 41S., R. 12W.
Washington County, Utah
Lease U-27359
Virgin Field

Attn: Martin Kuetzing

Gentlemen:

Receipt is acknowledged of your application filed pursuant to NTL-2B for the referenced field. As per recent telephone conversations, the method applied for (ie Subsurface Disposal) is approved for the purpose of testing and evaluation. This office is granting a 60-day evaluation period. At the end of this period or before, a definite plan must be submitted for the disposal of produced water in accordance with NTL-2B. During this evaluation period, an alternate method for water disposal should be developed in the event the proposed method is not compatible with operations or geologic characteristics in the area.

If you desire further information or explanation, do not hesitate to contact this office. Your cooperation in this matter is appreciated.

Sincerely Yours,

E. W. Gynn
District Engineer

bcc: O&GS, NRMA, Casper
Utah State Oil, Gas & Mining Division ✓
SLC-J.M. Dennis
NTL-2B

RAH:rlw

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL RE-ENTER DEEPEN PLUG BACK

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

2. NAME OF OPERATOR
 Zion Crude Oil Company

3. ADDRESS OF OPERATOR
 Box 370, Hurricane, Utah 84737

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface 1250'FWL & 12'FNL, SEC 23
 At proposed prod. zone same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 approx. 1 mile NE of Virgin, Utah

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

16. NO. OF ACRES IN LEASE 360

17. NO. OF ACRES ASSIGNED TO THIS WELL 40**

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

19. PROPOSED DEPTH 787' ***

20. ROTARY OR CABLE TOOLS percussion

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3612'GR

22. APPROX. DATE WORK WILL START* July 10, 1978

5. LEASE DESIGNATION AND SERIAL NO.
 U-27359

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.
 (Mohawk) #6

10. FIELD AND POOL, OR WILDCAT
 Virgin

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SEC 23, T41S, R12W, SLM

12. COUNTY OR PARISH Washington

13. STATE Utah

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
	6 1/2" ID	unknown.	100'	unknown
#6 originally drilled by Mohawk Petroleum in 1957; re-entered by Zion Oil 6-76				

- 1) Zion Crude Oil Company desires to re-enter #6 for the purpose of establishing oil production.
- 2) The location of #6 is within a fenced area currently used for equipment storage; though portions of this fencing may be removed to aid in the positioning of equipment, no surface other than that which is already in use will be required; hence, there will be no new surface disturbance.
- 3) ** The NE NW NW, SEC 23 is reserved for this well.
- 4) *** The present plans are to plug-back #6 to approx. 600' and use charges to fracture into oil bearing strata between 500' & 600'.
- 5) As requested, during a telephone conversation with Bill Martens USGS, the most recent layout of this lease has been attached, along with a copy of the most recent certified plat of the area. All original paperwork is already on file in Salt Lake City with the USGS.

NO ADDITIONAL SURFACE DISTURBANCE FOR THIS ACTIVITY

NOTICE OF APPROVAL

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.

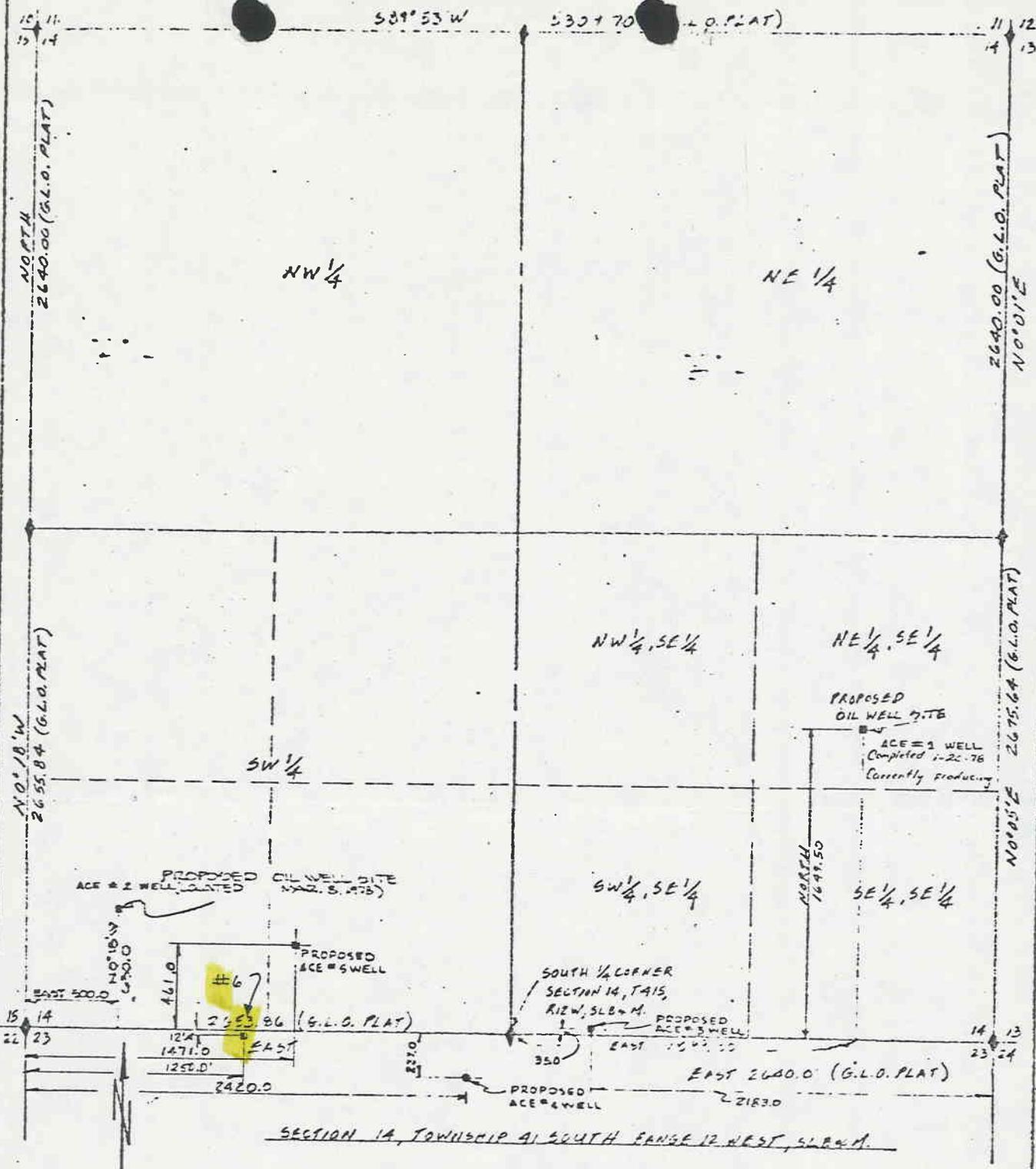
24. SIGNED Martin Kretzing TITLE Vice-President DATE 6-28-78

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY W.D. Martens TITLE AGING DISTRICT ENGINEER DATE JUL 21 1978

CONDITIONS OF APPROVAL, IF ANY:
CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

Utah State Dwr O.G. + M *See Instructions On Reverse Side



SCALE 1"=500'

SURVEYOR'S CERTIFICATE

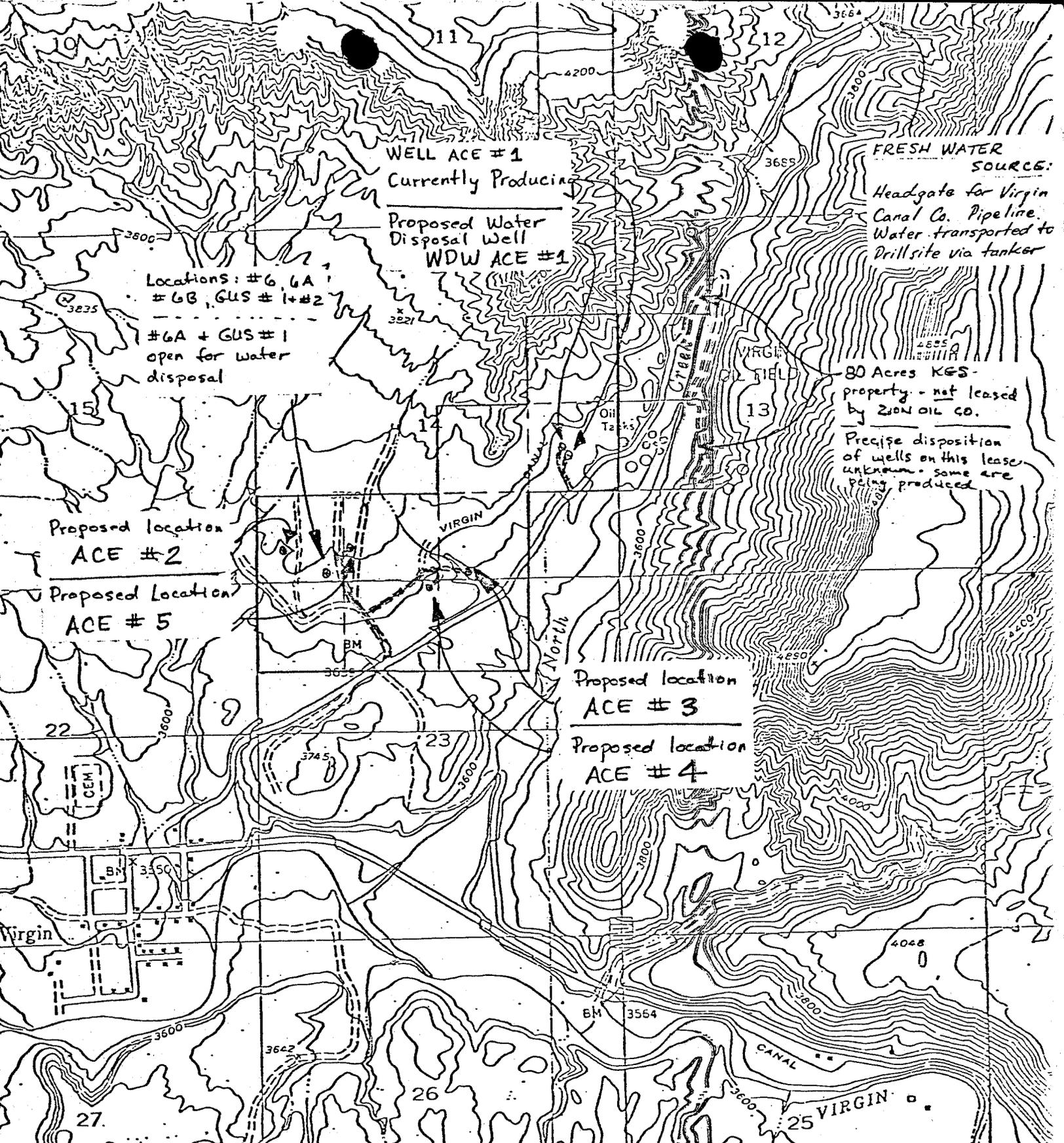
I, Gale E. Day, St. George, Utah, do hereby certify that I am a registered Land Surveyor and that I hold License No. 2432, as prescribed by the laws of the State of Utah, and I have located a proposed Oil Well site at the following described location, located in Washington County, State of Utah.

The proposed Oil Well site is located in Section 14, Township 41 South, Range 12 West, Salt Lake Base and Meridian at a point East 1829.00 feet along the Section line and due North 1649.50 feet from the South 1/4 Corner of said Section 14.

Revised 1-10-79
 Date 10-10-77
 REVISED UNDER P. 478
 REVISED MAY 26, 1978

Gale E. Day
 Gale E. Day
 License No. 2432
 BUSH & GUYER, INC.

ZION CRUDE OIL CO.



PHOTOGEOLOGIC MAP of the VIRGIN NW QUAD.
 WASHINGTON COUNTY, UTAH
 1/2

ROADS: — paved - - - dirt - existing roads
 ZION OIL CO. Red - existing access
 5-26-78 Green - new access
 Blue - water S.

EXHIBIT "B" FED. 71-027359
 LSE.

Supplemental-Stipulations

Zion Crude Oil Company
Well No. 6 Re-entry
NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 23-T41S-R12W SLM
Virgin Field
Washington County, Utah

1. The Dixie Resource Area, BLM, St. George, Utah, shall be notified five (5) working days prior to any drilling activity.
2. All holes and pits will be filled in upon production or cessation of operations.
3. Upon abandonment the site will be seeded with curly grass (Galleta) and Indian ricegrass and sand dropseed mixture at a rate of 3 pounds per acre.
4. Construction and maintenance for surface use approved under this plan should be in accordance with the surface use standards as set forth in the BLM/GS Oil and Gas Brochure entitled "Surface Operating Standards for Oil and Gas Exploration and Development". This includes, but is not limited to, such items as road construction and maintenance, handling of top soil, and rehabilitation.

September 22, 1982

Memo to File:

RE: Zion Crude Oil Company
Virgin Federal #6A
Sec. 23, T41S, R12W
Washington County

Talked to Diane Horsley of MMS on September 22, 1982. She told me that Zion Crude Oil Company is no longer in existence but there is a \$10,000 bond on this lease. The lease and the bond are still in effect and will be until something is done with the well. The above referenced well is shut-in and has not been plugged and abandoned as of this date. The last time the well was inspected was in 1978.

SANDRA CURTIS

SLC

12-2-85

MEMO TO FILE - FED #6-A 43-053-30025
415, 12W, SEC 23 WASH

FIELD INSPECTION BY DOROTHY SWINDEL 10-9-85
INDICATES P&A WITH MARKER IN PLACE.

THE OPERATOR HAS NOT FILED A SUBSEQUENT NOTICE
OF P&A, AND SINCE THE OPERATOR IS NO LONGER
IN BUSINESS, A P&A SURVEY CANNOT BE OBTAINED.

CHANGE ALL RECORDS TO SHOW P&A, AND USE
THE WORD "UNKNOWN" FOR THE P&A DATE.

Tom