

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

SUBMIT IN DUPLICATE*
 (Other information on reverse side)

5. Lease Designation and Serial No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

6. If Indian, Allottee or Tribe Name

1a. Type of Work

DRILL DEEPEN PLUG BACK

7. Unit Agreement Name

b. Type of Well

Oil Well Gas Well Other Single Zone Multiple Zone

Fee

2. Name of Operator

8. Farm or Lease Name

Sonat Exploration Company

Washburn

3. Address of Operator

9. Well No.

P O Box 1513, Houston, Texas 77251-1513

1-2C2

4. Location of Well (Report location clearly and in accordance with any State requirements.)*
 At surface

10. Field and Pool, or Wildcat

1530' FEL & 500' FSL of Section 2, T3S, R2W

Wildcat

At proposed prod. zone
 Straight Hole

11. Sec., T., R., M., or Blk. and Survey or Area

Section 2, T3S, R2W

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

12. County or Parrish 13. State

6 miles southwest of Roosevelt, Utah

Duchesne Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any)

500'

16. No. of acres in lease

156.11

17. No. of acres assigned to this well

640 40

18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.

N/A

19. Proposed depth

10,600'

20. Rotary or cable tools

Rotary

21. Elevations (Show whether DF, RT, GR, etc.)

22. Approx. date work will start*

5354'

July 15, 1983

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
24"	16"	65#	80'±	100 sx
12 1/2"	10-3/4"	45.5#	2500'±	575 sx
9 1/2"	7-5/8"	29.7#	0-9000'±	
9 1/2"	7-5/8"	33.7#	9000'-10,600'±	1000 sx

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

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 Mike Sammers Title Senior Drilling Engineer Date June 17, 1983

(This space for Federal or State office use)

Permit No. _____ Approval Date _____

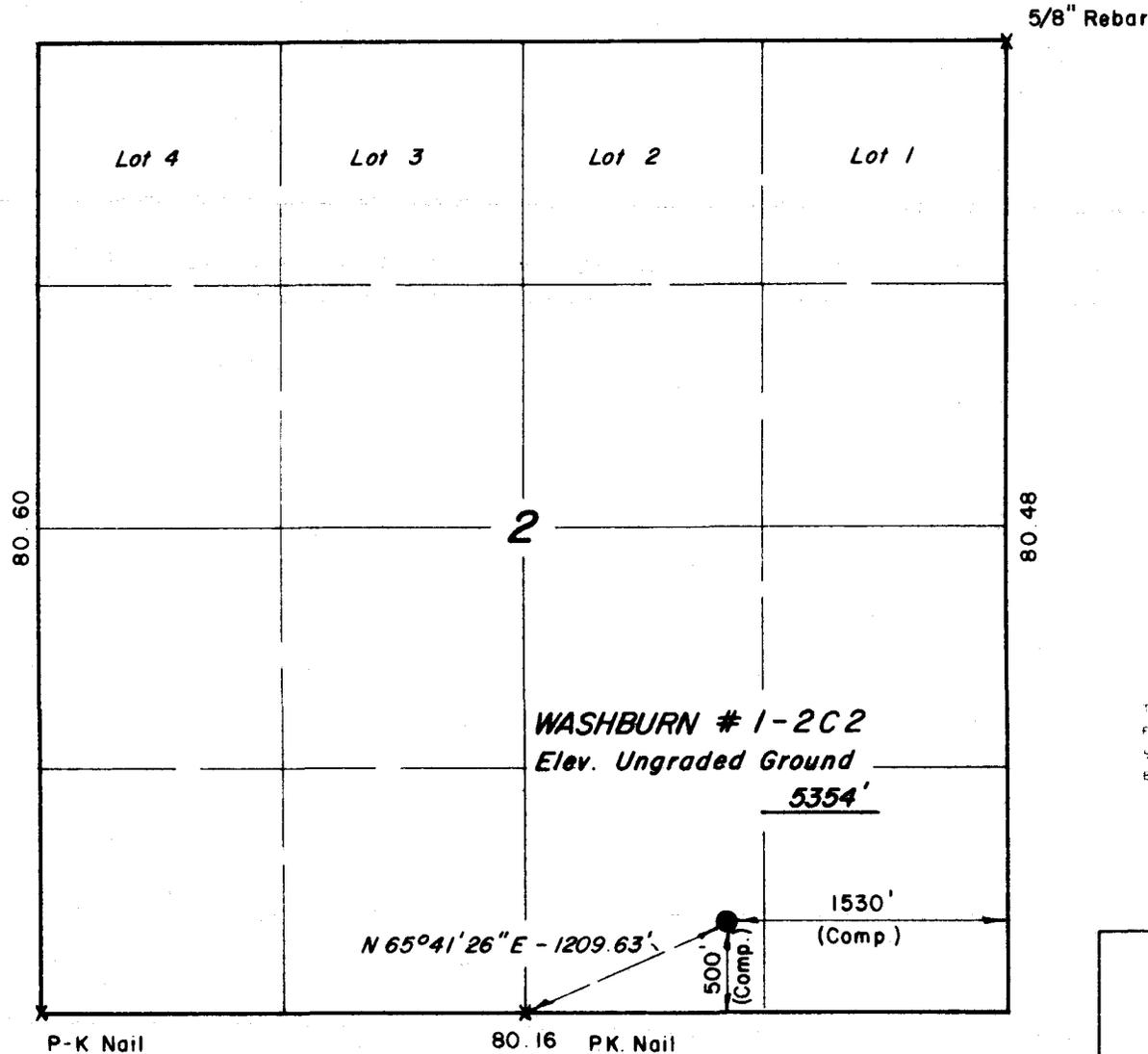
Approved by _____ Title _____ Date _____

Conditions of approval, if any:

T 3 S, R 2 W, U.S.B. & M.

PROJECT
SONAT EXPLORATION

Well location, WASHBURN #1-2C2,
located as shown in the SW 1/4 SE 1/4
Section 2, T3S, R2W, U.S.B.&M.
Duchesne County, Utah.



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.

Dane Stewart
REGISTERED LAND SURVEYOR
REGISTRATION NO 3154
STATE OF UTAH

UTAH ENGINEERING & LAND SURVEYING P.O. BOX Q - 85 SOUTH - 200 EAST VERNAL, UTAH - 84078	
SCALE 1" = 1000'	DATE 6 / 16 / 83
PARTY D.A. D.K. B.K. B.F.W.	REFERENCES GLO Plat
WEATHER Fair & Warm	FILE SONAT EXPLORATION

X = Section Corners Located

SONAT EXPLORATION COMPANY
BLOWOUT PREVENTION PROGRAM

Well control operations for drilling out of the drive pipe provide an annular (BAG) type blowout preventer and a drilling spool, as shown on the attached drawing. The same blowout preventer and drilling spool will be used to drill out of the conductor casing for the surface casing hole.

For drilling below the surface casing, the blowout prevention equipment will include: 4 remote-controlled, hydraulically operated blowout preventers, including 2 equipped with pipe rams, 1 with blind rams, and 1 annular (BAG) type, drilling spool, choke line and manifold, kill line, and fill-up line. This equipment is shown on the attached drawing.

Critical Operation Plan:

Method of Diverter or BOP Operation (Hydraulic activation with manual backup)

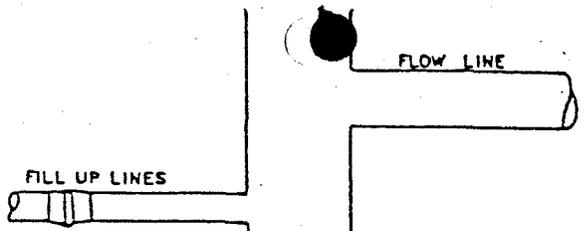
1. Pick up to clear kelly and tool joint.
2. Close Annular BOP.* Open Diverter.**
3. Circulate fluid of sufficient density to kill well without exceeding fracture gradient.
4. Open Annular BOP.* Close Diverter.**
5. Circulate bottoms up.
6. Continue with drilling operation.

*Upper pipe rams may be used if necessitated by pressure involved (for BOP stack operation only, not for diverter system operation).

**Diverter system operations only.

"CONFIDENTIAL"

CONFIDENTIAL



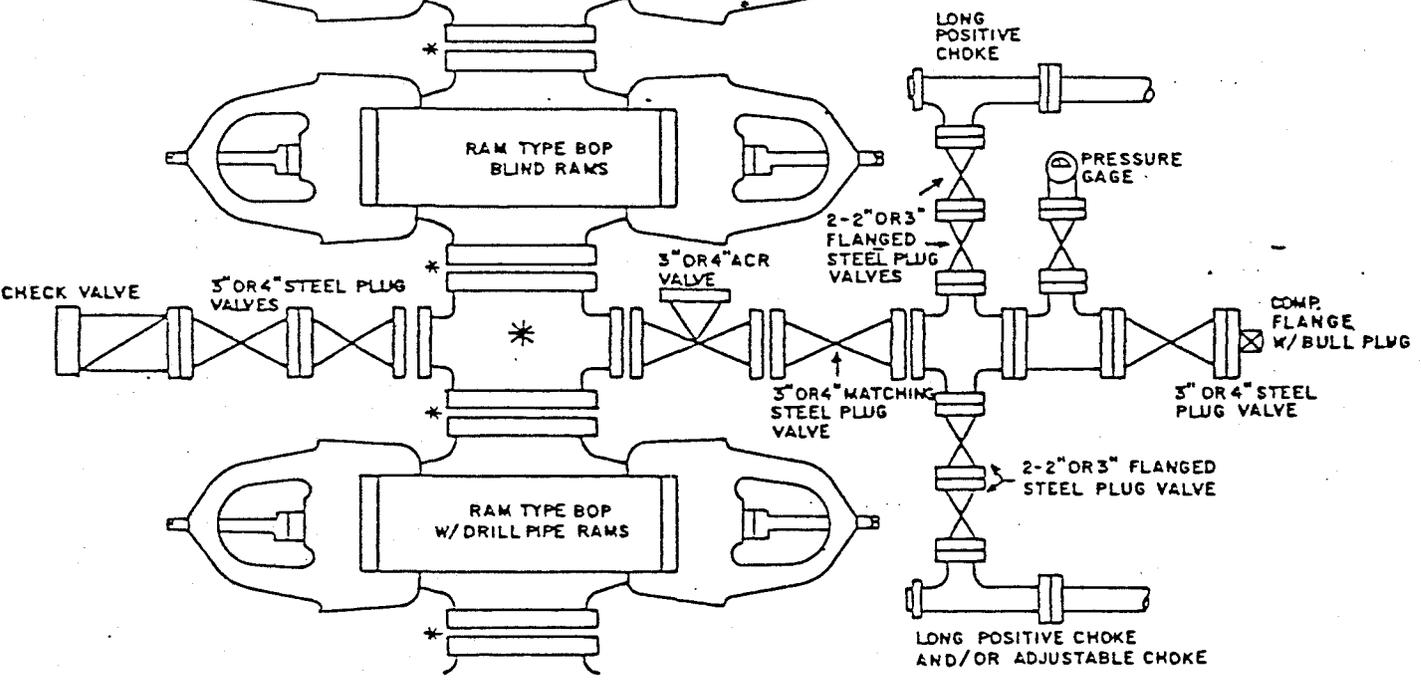
- * STEEL RING
- * SPOOL OPTIONAL IF RAM TYPE BOP'S HAVE 4" OUTLETS

ANNULAR
(BAG) TYPE
PREVENTOR
5000

RAM TYPE BOP
W/ DRILL PIPE RAMS

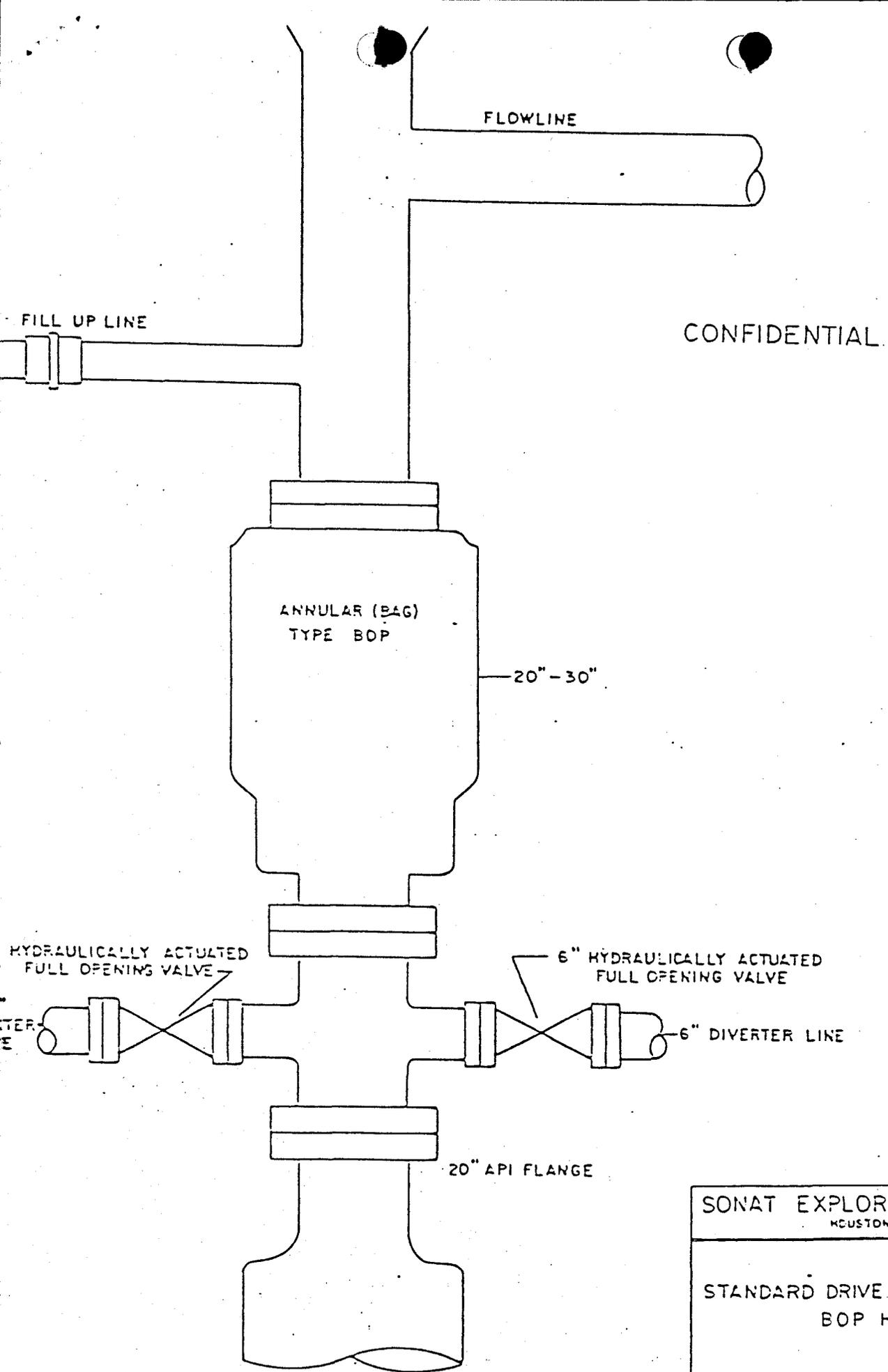
RAM TYPE BOP
BLIND RAMS

RAM TYPE BOP
W/ DRILL PIPE RAMS



SURFACE Csg BOP PROGRAM = 5,000 WP psi
 PROTECTIVE Csg BOP PROGRAM = _____ WP psi

SONAT EXPLORATION COMPANY HOUSTON, TEXAS		
STANDARD BOP HOOKUP FOR SURFACE AND PROTECTION CASING		
DATE <u>1-4-81</u>	REFERENCE 80316-2	FILE MISC. LEGAL



CONFIDENTIAL

SONAT EXPLORATION COMPANY
HOUSTON, TEXAS

STANDARD DRIVE & CONDUCTOR PIPE
BOP HOOKUP

500-3,000 # WP

Sonat Exploration Company
Post Office Box 1513
Houston TX 77251 1513
713 940 4000

SONAT EXPLORATION

July 6, 1983

Re: Washburn #1-2C2
Section 2, T3S, R2W
Duchesne County, Utah

Arlene Sollis
State of Utah
Department of Natural Resources
Division of Oil, Gas & Mining
1588 West North Temple
Salt Lake City, Utah 84116

Dear Ms. Sollis:

As you requested, enclosed are copies of our original Form OGC-1a, "Application for Permit to Drill" along with its attachments concerning the subject well. The original application was mailed from our office on June 20, 1983. Unfortunately, the application seems to have been lost in the mail between Houston and Salt Lake City. Please notify me upon receipt of the enclosed application to avoid any further delays in the processing time.

If additional information is required, please call me at 713/940-4026.

Sincerely,

Mike Lammers

MJL/JAW
Enclosures

RECEIVED

JUL 07 1983

**DIVISION OF
OIL, GAS & MINING**

OPERATOR

Sonal Exploration

DATE

7-8-83

WELL NAME

Washburn 1-2C2

SEC SWSE 2

T

35

R

2W

COUNTY

Duchesne

43-013-30786

API NUMBER

Fee

TYPE OF LEASE

POSTING CHECK OFF:

INDEX

MAP

HL

NID

PI

PROCESSING COMMENTS:

No other oil wells within 1000'
Requested exception loc. or to move well $\frac{1}{2}$ 500' from
quarter quarter line.

CHIEF PETROLEUM ENGINEER REVIEW:

7/8/83.

APPROVAL LETTER:

SPACING:

A-3

UNIT

c-3-a

CAUSE NO. & DATE

c-3-b

c-3-c

SPECIAL LANGUAGE:

(Water)
Approval is conditional pending receipt by Division
of proper justification for the exception location
requirement and verifications of lease ownership "

RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

AUTHENTICATE LEASE AND OPERATOR INFORMATION

VERIFY ADEQUATE AND PROPER BONDING

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER _____

UNIT _____

c-3-b

c-3-c

CHECK DISTANCE TO NEAREST WELL.

CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

July 8, 1983

Sonat Exploration Company
P. O. Box 1513
Houston, Texas 77251-1513

RE: Well No. Washburn 1-2C2
SWSE Sec. 2, T.3S, R.2W
500 FSL, 1530 FEL
Duchesne County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to oil well on said unorthodox location is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure. Approval is conditional pending receipt by Division of proper justification for the exception location requirement and verification of lease ownership. A copy of the Utah Division of Water Rights (801-533-6071) approval for use or purchase of drilling water must be submitted to this office prior to spudding, otherwise this approval is void.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

RONALD J. FIRTH - Chief Petroleum Engineer
Office: 533-5771
Home: 571-6068

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-013-30786.

Sincerely,


R. J. Firth
Chief Petroleum Engineer

FJS/as
Encl.

Sonat Exploration Company
Post Office Box 15
Houston TX 77251 1513
713 940 4000

SONAT EXPLORATION

July 11, 1983

Re: Washburn #1-2C2
Duchesne County, Utah

Mr. Ron Firth
State of Utah
Natural Resources & Energy
Oil, Gas & Mining
4241 State Office Bldg.
Salt Lake City, Utah 84114

Dear Mr. Firth:

Thank you for your prompt attention and cooperation concerning the permit for the subject well. Per our telephone conversation on 7/8/83, Sonat is requesting an exception to Rule C-3 "General Well Spacing Requirements" under paragraph (c)-(1) of the rule because of topographical reasons.

There is a canal which runs SW to NE in the northern half of the quarter-quarter section where the Washburn well is located. Our present location is as far west from the quarter-quarter section line without being in this canal. Also, the landowner has requested us to be as far away from his house and farm buildings as possible. As a result of these conditions, you verbally approved the location as filed for the Washburn #1-2C2 as an exception location.

We received the necessary forms today regarding the Water Rights for the Washburn #1-2C2 permit application. We are in the process of completing this form and it will be filed as soon as possible.

If you have any questions or require additional information, please call me at 713/940-4026.

Sincerely,

Mike Lammers

M. J. Lammers
Senior Drilling Engineer

MJL/JAW

*Requested 660' statement
you
7-20-83*

RECEIVED

JUL 12 1983

DIVISION OF
OIL, GAS & MINING

7/8/83

Talked to Mike Hammes
requesting exception location
or to move well to
500' from quarter-quarter
line.

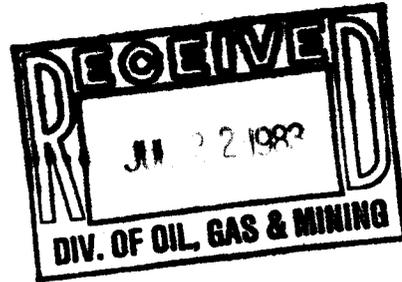
as.

DOROTHY BOULTON (WATER RIGHT)
PROVIDED VERBAL APPROVAL OF
WATER FOR DRILLING. WRITTEN
FOLLOW UP IN ABOUT 3 WKS.

Norm 7-20-83

Sonat Exploration Company
Post Office Box 15
Houston TX 77251 1313
713 940 4000

SONAT EXPLORATION



July 21, 1983

Re: Holding File
Washburn #1-2C2
SWSE Sec. 2, T3S, R2W
500'FSL & 1530'FEL
Duchesne Co., Utah

Mr. Norm Stout
State of Utah
Natural Resources & Energy
Oil, Gas and Mining
4241 State Office Bldg.
Salt Lake City, Utah 84114

Dear Mr. Stout:

Thank you for your cooperation in the approval of the subject well. As a follow up to our conversation on Wednesday, July 20, the ownership of all oil and gas leases within a radius of 660 feet of the proposed location are common with the ownership of the leases under the proposed location.

If you have any questions or require additional information, please call me at 713/940-4026.

Sincerely,

A handwritten signature in cursive script that reads "Mike Lammers".

M. J. Lammers
Senior Drilling Engineer

BTS/JAW

*Water
&
Norm*

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: SONAT EXPLORATION

WELL NAME: WASHBURN #1-12C2

SECTION SWSE 2 TOWNSHIP 3S RANGE 2W COUNTY Duchesne

DRILLING CONTRACTOR Transcontinental

RIG # 57

SPUDDED: DATE 7-21-83

TIME 10:00 PM

HOW Rotary

DRILLING WILL COMMENCE _____

REPORTED BY Julie Ward

TELEPHONE # 713-940-4021

DATE 7-26-83 SIGNED CF

Sonat Exploration Company
Post Office Box 1513
Houston TX 77251 1513
713 940 4000

SONAT EXPLORATION

July 26, 1983

Re: Washburn #1-2C2
Nielsen #1-20B1
Duchesne Co., Utah

Ms. Carrie Furse
State of Utah
Natural Resources & Energy
Oil Gas and Mining
4241 State Office Bldg.
Salt Lake City, Utah 84114

Dear Ms. Furse:

As a follow-up to your telephone conversation with Julie Ward
on July 26, 1983, the following information is for your files:

Washburn #1-2C2

SWSE Sec. 2, T3S, R2W
500'FSL & 1530'FEL
Spud @ 2200 hr. on 7/21/83
Drilling Contractor & Rig No: Transcontinental #57

Nielsen #1-20B1

Section 20, T2S, R1W
1780'FNL & 2386'FEL
Spud @ 0345 hr. on 7/24/83
Drilling Contractor & Rig No: Grace Bomac #91

If additional information is necessary, please call me at 713/
940-4026.

Sincerely,

Mike Lammers
M. J. Lammers
Senior Drilling Engineer

MJL/JAW
Enclosures

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JUL 29 1983
DIVISION OF
OIL GAS & MINING

Sonat Exploration Company
Post Office Box 1513
Houston TX 77251 1513
713 940 4000

SONAT EXPLORATION

July 29, 1983

Re: Well Status Report
Washburn #1-2C2
Section 2, T3S, R2W
Duchesne Co., Utah

State of Utah
Natural Resources & Energy
Oil, Gas & Mining
4241 State Office Bldg.
Salt Lake City, Utah 84114

Gentlemen:

7/8/83 thru 7/29/83
TD @ 4280'
Water

FIRST REPORT: This well located 500'FSL & 1530'FEL of Section 2, T3W, R2W, Duchesne Co., Utah will test the Green River and Upper Wasatch Formations to a proposed TD of 10,600'. (Note: GL=5334'). Set and cemented 16" conductor @ 87'. Spud @ 2200 hr. 7/21/83. Drilling. Ran and cemented 10-3/4" csg. @ 2505' with 575 sx. Drilling.


M. J. Lammers

Sonat Exploration Company
Post Office Box 1513
Houston TX 77251 1513
713 940 4000

RECEIVED
SEP 02 1983

SONAT EXPLORATION

DIVISION OF
OIL, GAS & MINING

August 29, 1983

Re: Well Status Report
Washburn #1-2C2
Section 2, T3S, R2W
Duchesne Co., Utah

State of Utah
Natural Resources & Energy
Oil, Gas & Mining
4241 State Office Bldg.
Salt Lake City, Utah 84114

Gentlemen:

7/30/83 thru 8/26/83
TD @ 10,200
MW @ 12.2 ppg

Drilling. Ran DIL/SFL/BHC/Sonic/GR from 2500' to 10,200'. Attempted to log FDC/CNL w/GR but tool got stuck at 7880'. Couldn't work free. Stripped over WL and latched fish. WL broke at surface and fell down hole while attempting to pull out of rope socket at 7880'. Attempted to work thru tight spot. Failed to work pipe free. Backed off at 2614'. Jarred on stuck pipe. Pipe came free. RIH with spear to 2658'. POOH-rec. 150' wire. RIH with spear-no rec. Made dummy run-stopped at 2818'. Perf DP at 2808'. Worked 70' of DP out of hole. The pipe apparently parted. POH with fish dragging-filling hole through DP. Rec. 4 jnts. DP and approximately 600' WL. DP backed out at tool joint. GIH with screw-in sub.

Mike Lammers
M. J. Lammers

Sonat Exploration Company
Post Office Box 1513
Houston TX 77251 1513
713 940 4000

3

7

SONAT EXPLORATION

September 9, 1983

Re: Well Status Report
Washburn #1-2C2
Section 2, T3S, R2W
Duchesne Co., Utah

State of Utah
Natural Resources & Energy
Oil, Gas & Mining
4241 State Office Bldg.
Salt Lake City, Utah 84114

Gentlemen:

8/27/83 thru 9/9/83
MW @ 10,200'MD

Fishing. LD OS. Worked out 1 jnt. of fish at a time. Each jnt. was wrapped with wire. Presently have ±1900' left in hole. FPOOH. Rec. all DP fish plus ±4000' wireline. POH. Rec. ±5' wt. Washed and pushed junk from 9763' to 10,087'. CCM. POH. RU Schl.

Mike Lammers

M. J. Lammers
Senior Drilling Engineer

RECEIVED
SEP 15 1983
DIVISION OF
OIL, GAS & MINING

Sonat Exploration Company
Post Office Box 1513
Houston TX 77251 1513
713 940 4000

SONAT EXPLORATION

September 15, 1983

Re: Washburn #1-2C2
Section 2, T3S, R2W
Duchesne County, Utah

Mr. Norm Stout
State of Utah
Natural Resources & Energy
Oil, Gas & Mining
4241 State Office Bldg.
Salt Lake City, Utah 84114

Dear Mr. Stout:

Enclosed, in triplicate, is Form OGC-1b, "Sundry Notices and Reports on Wells" along with its attachments concerning the subject well.

If additional information is necessary, please call me at 713/940-4026.

Sincerely,



M. J. Lammers
Senior Drilling Engineer

BTS/JAW
Enclosures

RECEIVED
SEP 20 1983

DIVISION OF
OIL, GAS & MINING

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

(Other instructions on reverse side)

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.
2. NAME OF OPERATOR Sonat Exploration Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P O Box 1513, Houston, Texas 77251-1513		7. UNIT AGREEMENT NAME FEE
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1530'FEL & 500'FSL of Section 2, T3S, R2W		8. FARM OR LEASE NAME Washburn
14. PERMIT NO. 43-013-30786	15. ELEVATIONS (Show whether DF, RT, CR, etc.) 5324'	9. WELL NO. 1-202
		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR B.L. AND SURVEY OR AREA Section 2, T3S, R2W
		12. COUNTY OR PARISH Duchesne
		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"/>	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 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.)

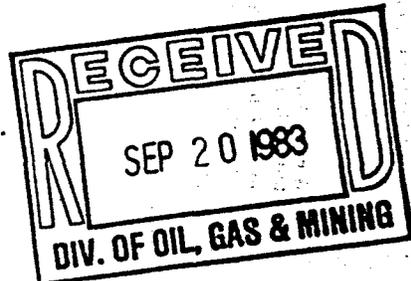
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to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

Sonat request approval to perforate from 8828'-10,078' (gross interval) in the Wasatch formation. See attachment.

Note: Received verbal approval to perforate from Mr. Norm Stout on 9/15/83.

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

DATE: 9-21-83
BY: [Signature]



18. I hereby certify that the foregoing is true and correct
SIGNED Mike Sommer TITLE Senior Drilling Engineer DATE 9/15/83

(This space for Federal or State office use)

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

Sonata Exploration Company
TUBULAR LOGS RUNNING RECORD



WELL: Washington #1 202

DATE: 9/18/83

STRING NUMBER: Production RKB TO HANGER: 13.1'
Heat

CONTRACTOR: T.C. Rig, 57

LIST MATERIAL BELOW IN ORDER RUN IN THE HOLE:

PIECES	MATERIAL DESCRIPTION - COMPLETE	OD	ID	LENGTH	DEPTH SET
	<u>Production String</u>				
1	<u>KB</u>			<u>13.1</u>	<u>0</u>
1	<u>WKM Split Tubing Hanger</u>			<u>.78</u>	<u>13.10</u>
1	<u>2 3/8 Tubing A-95 4.7# N-80</u>			<u>32.94</u>	<u>13.88</u>
1	<u>Double pin sub</u>			<u>.62</u>	<u>46.52</u>
1	<u>Pup it 2 3/8"</u>			<u>1.79</u>	<u>47.94</u>
275	<u>2 3/8 Tubing A-95 4.7# N-80</u>			<u>862.96</u>	<u>49.73</u>
1	<u>X over 2 3/8 CS to 2 3/8 EUE</u>	<u>2.75</u>	<u>1.935</u>	<u>.69</u>	<u>863.14</u>
1	<u>Otis J-Latch Locator</u>	<u>3.12</u>	<u>2.00</u>	<u>1.11</u>	<u>864.25</u>
1	<u>Otis Seal Assy.</u>	<u>2.68</u>	<u>1.94</u>	<u>1.00</u>	<u>865.25</u>
1	<u>Otis Multiphase Guide</u>	<u>2.68</u>	<u>1.94</u>	<u>1.66</u>	<u>866.91</u>
					<u>868.65</u>
	<u>Packer Assy</u>				
					<u>Wireline</u>
1	<u>Otis 1 1/2 Packer (2 1/2 WB 7503)</u>	<u>6.38</u>	<u>2.75</u>	<u>2.53</u>	<u>8670.00</u>
1	<u>Pkr to Tub Adapter</u>	<u>6.38</u>	<u>1.94</u>	<u>1.15</u>	<u>8672.53</u>
1	<u>2 3/8 EUE Pup IT N-80</u>	<u>2.93</u>	<u>1.995</u>	<u>6.00</u>	<u>8678.63</u>
1	<u>Otis X nipple</u>	<u>2.68</u>	<u>1.94</u>	<u>.96</u>	<u>8679.63</u>
1	<u>2 3/8 EUE Pup IT N-80</u>	<u>2.93</u>	<u>1.995</u>	<u>5.97</u>	<u>8685.64</u>
1	<u>Pump out plug & eccentric guide</u>	<u>2.93</u>	<u>1.995</u>	<u>1.28</u>	<u>8686.61</u>
					<u>8687.89</u>
	<u>Heat String</u>				
1	<u>KB</u>			<u>13.10</u>	
1	<u>WKM Split Tubing Hanger</u>			<u>.78</u>	
1	<u>2 3/8 Tubing A-95 4.7# N-80</u>			<u>28.27</u>	
1	<u>Double pin sub</u>			<u>.67</u>	
156	<u>2 3/8 Tubing A-95 4.7# N-80</u>			<u>4163.17</u>	
	<u>hung from Hanger @</u>				<u>5006.01</u>

MAKE & TYPE THREAD LUBRICANT USED: 1500 API# API High Pressure Mod.
 MAKE-UP TORQUE USED _____
 AMOUNT OF PRESSURE TEST ON PIPE WHILE RUNNING _____
 WEIGHT SET ON PACKER OR PACKERS 10,000
 TYPE & WEIGHT OF PACKER FLUID IN ANNULUS Water
 REMARKS _____

Block 11,300 # Hanger 2 3/8" A-95 top
Log 37,000 # & Bottom
Start 20,000 #

PREPARED BY: J. Williams

Sonat Exploration Company
Post Office Box 1513
Houston TX 77251 1513
713 940 4000

RECEIVED
SEP 26 1983

3
M

SONAT EXPLORATION

DIVISION OF
OIL, GAS & MINING

September 23, 1983

Re: Well Status Report
Washburn #1-2C2
Section 2, T3S, R2W
Duchesne Co., Utah

State of Utah
Natural Resources & Energy
Oil, Gas & Mining
4241 State Office Bldg.
Salt Lake City, Utah 84114

Gentlemen:

9/10/83 thru 9/23/83
TD @ 10,200' MD
MW @ 12.3 ppg

Ran FDC/CNL/DIL from 9910'-2500'. Washed to 10,160'. POH.
Rec. 110' WL. Washed to TOF. POH. Rec. small ball of wire.
WIH with OS. RU WL. Ran GR from 10,120'-9500'. Verified lost
tool is not inside of hole. RD WL. POH. Rec. all of log tool
fish. Cemented 7-5/8" csg. at 10,209' with 1280 sx. ND BOP.
RU OWP WL. Ran GR/CCL from PBTD to 7000'. Ran GR-JB to
9500'. Perforated the well with 582 shots at 8731-39', 8771-76',
8828-38', 8858-70', 8902-08', 8935-38', 8940-42', 8945-49',
8950-52', 8973-76', 9056-59', 9121-24', 9147-58', 9180-84',
9187-90', 9198'-9202', 9206-09', 9212-15', 9270-72', 9278-81',
9285-89', 9295-99', 9324-28', 9379-81', 9386-90', 9399'-9402',
9467-73', 9487-92', 9564-74', 9607-12', 9616-20', 9668-73',
9676-84', 9711-17', 9728-50', 9806-14', 9816-22', 9912-16',
9934-38', 9939-60'. Set Otis "WB" pkr. at 8690'. ND BOPs.
NU X-mas tree. Tested tree to 5000 psi. Tested back side
to 500 psi. Pumped out plug in production string. Flowed
back 30 bbls. SI well with 1800 psi. Displaced heat string.
Released rig at 7:30 PM 9/17/83.

Mike Lammers
M. J. Lammers
Senior Drilling Engineer

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.)

<p>1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/></p> <p>2. NAME OF OPERATOR <u>Sonat Exploration Company</u></p> <p>3. ADDRESS OF OPERATOR <u>P O Box 1513, Houston, Texas 77251-1513</u></p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <u>1530'FEL & 500'FSL of Section 2, T3S, R2W</u></p> <p>14. PERMIT NO. <u>43-013-30786</u></p>		<p>5. LEASE DESIGNATION AND SERIAL NO.</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME <u>FEE</u></p> <p>8. FARM OR LEASE NAME <u>Washburn</u></p> <p>9. WELL NO. <u>1-2C2</u></p> <p>10. FIELD AND POOL, OR WILDCAT <u>Wildcat</u></p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <u>Section 2, T3S, R2W</u></p> <p>12. COUNTY OR PARISH 13. STATE <u>Duchesne Utah</u></p>
<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) <u>5324'</u></p>		

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 checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(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.)*

Sonat perforated from 8731'-9960' (gross interval) in the Wasatch formation. See attachment.

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

SIGNED Mike Jammer TITLE Senior Drilling Engineer DATE September 26, 1983

(This space for Federal or State office use)

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

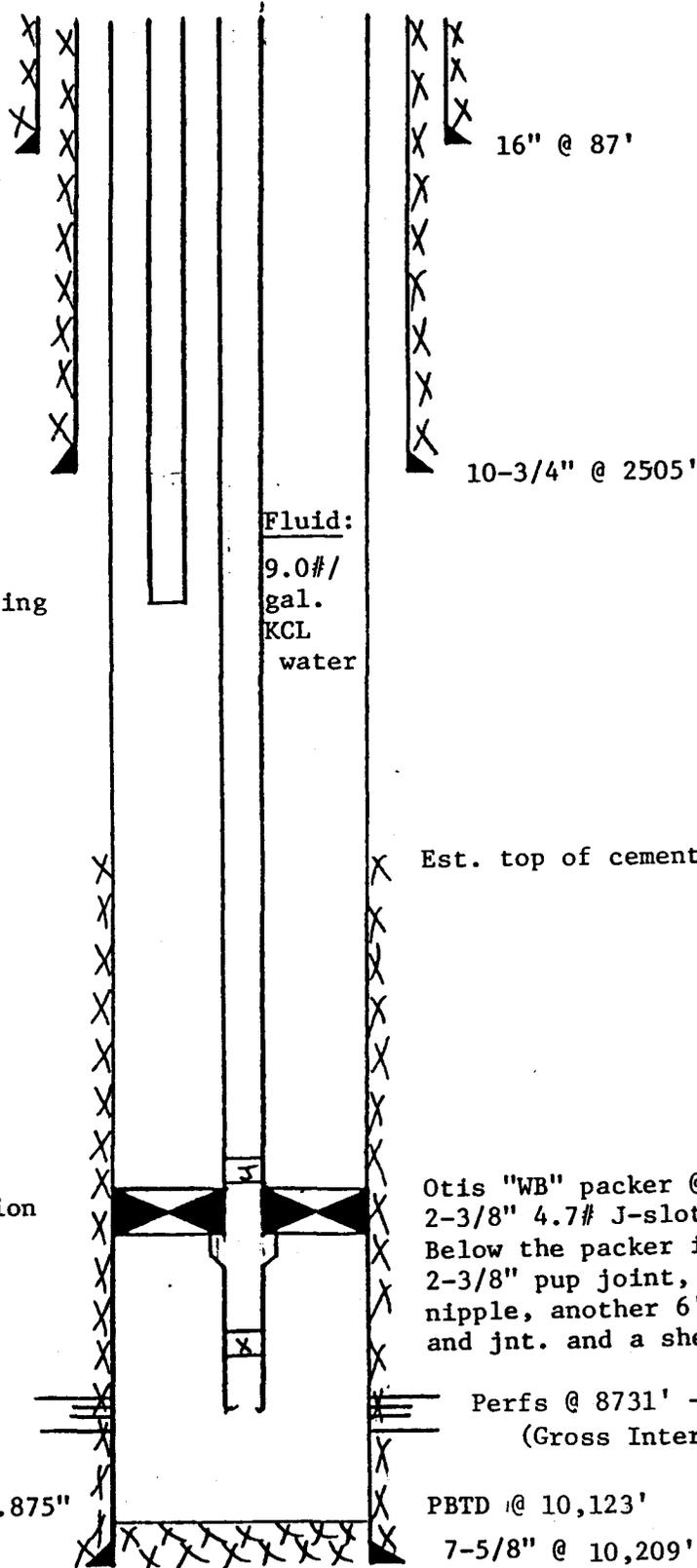
Washburn #1-2C2
 Present Perforations
 (All Depths Are DIL of 8/17/83)

<u>INTERVAL</u>	<u>FOOTAGE</u>	<u>JSPF</u>	<u>SHOTS</u>
8731-8739'	8	2	16
8771-8776'	5	2	10
8828-8838'	10	2	20
8858-8870'	12	2	24
8902-8908'	6	2	12
8935-8938'	3	2	6
8940-8942'	2	2	4
8945-8949'	4	2	8
8950-8952'	2	2	4
8973-8976'	3	2	6
9056-9059'	3	2	6
9121-9124'	3	2	6
9147-9158'	11	2	22
9180-9184'	4	2	8
9187-9190'	3	2	6
9198-9202'	4	2	8
9206-9209'	3	2	6
9212-9215'	3	2	6
9270-9272'	2	2	4
9278-9281'	3	2	6
9285-9289'	4	2	8
9295-9299'	4	2	8
9324-9328'	4	2	8
9379-9381'	2	2	4
9386-9390'	4	2	8
9399-9402'	3	2	6
9467-9473'	6	2	12
9487-9492'	5	2	10
9564-9574'	10	2	20
9607-9612'	5	2	10
9616-9620'	4	2	8
9668-9673'	5	2	10
9676-9684'	8	2	16
9711-9717'	6	2	12
9728-9750'	22	4	88
9806-9814'	8	2	16
9816-9822'	6	4	10
9912-9916'	4	2	8
9934-9938'	4	2	8
9939-9960'	21	4	84
	229		542

SONAT EXPLORATION COMPANY

Present Schematic
Washburn #1-2C2
Section 2, T3S, R2W
Duchesne Co., Utah

BTS/JAW 9/83



2-3/8", 4.7#, N-80, A-95 heat string
@ 5000'±

Fluid:
9.0#/gal.
KCL
water

Est. top of cement: 7000'±

2-3/8", 4.7#, N-80, A-95 Production
tbg. @ 8720'±

Otis "WB" packer @ 8720'± with a
2-3/8" 4.7# J-slot locator above.
Below the packer is a X-over, 6'-
2-3/8" pup joint, 2-3/8" "X"
nipple, another 6'-2-3/8" pup jnt.
and jnt. and a shear-out plug.

Perfs @ 8731' - 9960' DIL
(Gross Intervals)

Min. I.D. : 2-3/8", "X" nipple=1.875"

PBTD @ 10,123'

7-5/8" @ 10,209'

Sonat Exploration Company
Post Office Box 1513
Houston TX 77251 1513
713 940 4000

RECEIVED

SEP 30 1983

SONAT EXPLORATION

DIVISION OF
OIL, GAS & MINING

September 30, 1983

Re: Well Status Report
Washburn #1-2C2
Section 2, T3S, R2W
Duchesne Co., Utah

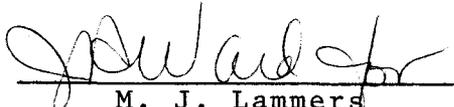
OCT 3 1983

State of Utah
Natural Resources & Energy
Oil, Gas & Mining
4241 State Office Bldg.
Salt Lake City, Utah 84114

Gentlemen:

9/24/83 thru 9/29/83

JBCO completed flowline. Turned well on 11:20 AM with 2100 psig SITP. Unloaded CaCl₂/H₂O to pit with slugs of gas and oil. Turned to production facility at midnight. On 9/24-0700 hrs. FARO 484 MCFD, 17 BWPD, 480 psig on 12/64" choke but no oil to tank. Found oil in treater steamline. SI well at 1100 hrs. to repair leak in treater steam coil-cracked weld. Five (5) hr. SITP built up to 2100 psig at 1600 hrs. when turned well back on. On 9/26-18 hr. test-FARO 203 BOPD, 6 BWPD, heading gas, 40 psig FTP on 3/4" choke; 9/27-1 hr. S.I. SV system leak, cut paraffin 2 hrs. FARO 216 BOPD, 9 BWPD, 40 psig FTP, heads of gas; 9/28-Flowed 23 hrs. at daily rate of 160 BOPD, 5 BWPD with 40 psig FTP on 48/64". Heads of gas and 9/29-145 B/O 3 BW 35 psig FTP. Plan to acidize tomorrow.


M. J. Lammers
Senior Drilling Engineer

Sonat Exploration Company
Post Office Box 1513
Houston TX 77251-1513
713 940 4000

SONAT EXPLORATION

December 5, 1983

Re: Washburn #1-2C2
Section 2, T38, R2W
Duchesne County, Utah

State of Utah
Natural Resources and Energy
Oil, Gas and Mining
4241 State Office Building
Salt Lake City, Utah 84114

Attention: Mrs. Claudia Jones

Dear Mrs. Jones:

In accordance with your request, enclosed are copies of the Sundry Notices and Completion Report which were filed with your office.

If you require additional information, please call me at 713/940-4014.

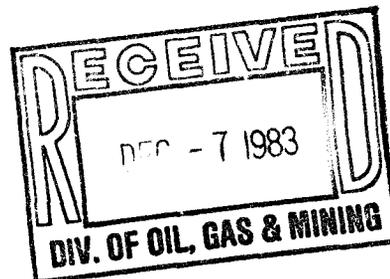
Sincerely,



D. E. Richards
Senior Drilling Engineer

JAW/mlb

Enclosures

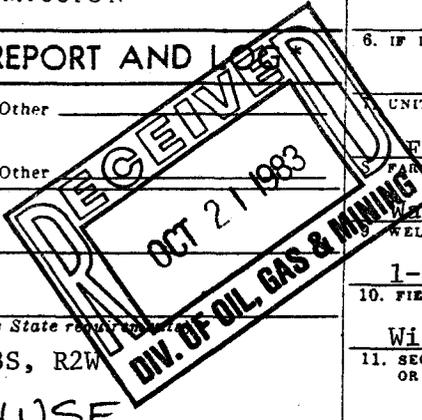


(See other instructions on reverse side)

214
15

WELL COMPLETION OR RECOMPLETION REPORT AND LOGS

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: Sonat Exploration Company
 3. ADDRESS OF OPERATOR: P O Box 1513, Houston, TX 77251-1513
 4. LOCATION OF WELL (Report location clearly and in accordance with any State regulations):
 At surface 1530'FEL & 500'FSL of Section 2, T3S, R2W
 At top prod. interval reported below Straight Hole SWSE
 At total depth Straight Hole



5. LEASE DESIGNATION AND SERIAL NO. _____
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME _____
 UNIT AGREEMENT NAME _____
 Fee
 7. FARM OR LEASE NAME: Washburn
 WELL NO. 1-2C2
 10. FIELD AND POOL, OR WILDCAT: Wildcat
 11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA: Section 2, T3S, R2W

14. PERMIT NO. 43-013-30786 DATE ISSUED 7/8/83
 12. COUNTY OR PARISH: Duchesne 13. STATE: Utah

15. DATE SPUDDED 7/21/83 16. DATE T.D. REACHED 9/14/83 17. DATE COMPL. (Ready to prod.) 9/17/83
 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* GL=5334'
 19. ELEV. CASINGHEAD
 20. TOTAL DEPTH, MD & TVD 10,209' 21. PLUG. BACK T.D., MD & TVD 10,123'
 22. IF MULTIPLE COMPL. HOW MANY* Single
 23. INTERVALS DRILLED BY Transcontinental Rig
 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* #57
 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN: Perforations from 8731'-9960'DIL (gross intervals)
 DIL/SPL/BHC/Sonic/GR; FDC/CNL/DIL; GR/CCL
 27. WAS WELL CORED No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
16"		87' BGL		227 sx. + additives	
10-3/4"	45.5#	2505'	12 1/2"	575 sx. + additives	
7-5/8"	29.7 & 33.7	10,209'	9-7/8"	1280 sx.	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	8682'	8670'
					Heat String 2-3/8"	5006'	

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number): See attachment for details of perforations.

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
8731'-9960' (gross intervals)	Acidized w/five stgs 4000 gal ea. 15% HCl, dropping 130 7/8" balls between stgs. Prepad and post flush 5000 gal KCl wtr.

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
9/24/83	Flowing	Producing					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10/3/83	7	24/64"	→	44.03	70 MCF	2.8	1591'
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
35-200 psi	0	→	151 BPD	240 MCF	10	40.0	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): Fuel and Flared
 TEST WITNESSED BY: P. Pongetti

35. LIST OF ATTACHMENTS: Two copies of the Present Schematic and Tbg. Tally
 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
 SIGNED: DE Richards TITLE: Senior Drilling Engineer DATE: October 18, 1983

*(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.), annotations 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 PRESSURE, AND RECOVERIES		38. GEOLOGIC MARKERS	
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			NAME
			MEAS. DEPTH
			TRUE VERT. DEPTH
Green River	5370'	8820'	TGR 3
Wasatch	8820'	N.P.	Carbonate
			Sand, Shale Limestone, Oil Shale
			Sand and Shale

Sonat Exploration Company
Post Office Box 1513
Houston TX 77251 1513
713 940 4000

SONAT EXPLORATION

September 26, 1985

State of Utah
Natural Resources and Energy
Oil, Gas and Mining
4241 State Office Building
Salt Lake City, Utah 84114

Gentlemen:

Enclosed, in triplicate, is Form OGC-1b "Sundry Notices and Reports on Wells," concerning the subject well.

If additional information is necessary, please call me at 713/840-4970.

Sincerely,

D. T. McPherson

D. T. McPherson
Supervisor of Production Engineering

DTM/jaw
Enclosures

RECEIVED

OCT 01 1985

**DIVISION OF OIL
GAS & MINING**

Re: Washburn #1-202
Section 2, T3S, R2W
Duchesne County, Utah

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

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

27

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.)

RECEIVED

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Sonat Exploration Company

3. ADDRESS OF OPERATOR
P O Box 1513, Houston, TX 77251-1513

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
1530' FEL & 500' FSL of Section 2, T3S, R2W

14. PERMIT NO.
43-013-30786

15. ELEVATIONS (Show whether DT, RT, GR, etc.)
5324'

5. LEASE DESIGNATION AND SERIAL NO.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
FEE

8. FARM OR LEASE NAME
Washburn

9. WELL NO.
1-2C2

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA
Section 2, T3S, R2W

12. COUNTY OR PARISH
Duchesne

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 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) _____	(Other) _____
(Other) <u>Recomplete</u>		(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 Operations:

1. Squeeze off Wasatch at 8670'.
2. Perforate and acidize the Green River zone from 7192'-8406' EL.
3. Complete in the Green River zone.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 10/3/85
BY: John R. Daza

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

SIGNED D.T. McPherson TITLE Supv. of Production Engineering DATE 9/26/85

(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

111927

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. FEE	
2. NAME OF OPERATOR Sonat Exploration Company, Attn: J.A. Ward		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR P.O. Box 1513, Houston, TX 77251-1513		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 1530' FEL & 500' FSL of Section 2, T3S, R2W.		8. FARM OR LEASE NAME Washburn	
14. PERMIT NO. 43-013-30786		9. WELL NO. 1-2C2	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5324'		10. FIELD AND POOL, OR WILDCAT Wildcat	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 2-T3S-R2W	
		12. COUNTY OR PARISH Duchesne	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"/>	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 checked="" 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.)*

See attachment.

18. I hereby certify that the foregoing is true and correct
SIGNED LR Tschibart TITLE Supv. of Prod. Eng. DATE 11/6/86

(This space for Federal or State office use)

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

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

DATE: 11-13-86
BY: John R. Bays

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law 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.

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 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

Data on Present Zones

Green River Zone: Present perforations at 7192-8406' OA

Average daily production for first 21 producing days in October 1986.

Oil (BOPD) = 11

Gas (MCFPD) = 19

Water (BWPD) = 0

Reason for abandonment: The well is uneconomical to operate.

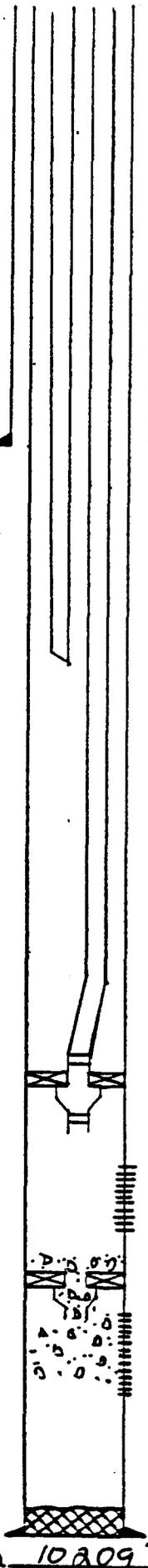
Wasatch Zone: Squeezed perforations at 8731-9960' OA.

Depth Reference; KB to THF _____; KB to MGL 17
 Annulus Fluid: 9.5 ppg Formation
 Tree: 5000 Dual psi WP

Type of Pump: _____
 Unit Size: _____
 SPM: _____
 Stroke Length: _____
 Type of Drive: _____

PRESENT
MECHANICAL SKETCH

Otis "X" SN @ ±7100'; 1.825" ID
National Hydraulic Pump Cavity
Otis "WB" PKr @ 7100' w/
J-Latch locator
Otis "WB" PKr @ 8620'



Bluebell FIELD
Washburn LEASE
#1-202 WELL

Completed: 10/83
 Workover: 3/84 (11/85) /

TUBING			
Size	Weight	Thread	IS Coilers
<u>2 3/8"</u>	<u>4.7 #</u>	<u>8rd</u>	<u>IS EUE</u>
<u>N-80</u>			
<u>A-95</u>	<u>7100'</u>	<u>Rerun</u>	<u>Non</u>
Grade	Feet	New/Used/Rerun	Coating
<u>2 3/8"</u>	<u>Heat string to 5160'</u>		

10 3/4" csg. 45.50 # to 2505'

Remarks: TOC @ 7000'

7192'-8406' OA w/ 3 SPF Green River zone

8731'-9960' OA w/ 1 1/2 PF, Wasatch zone

PSTD @ ± 8600'
2 5/8" csg. 33.70 # to 10209'

Prepared By: LRT Date: 9-3-86

T.D. 10209'

Depth Reference; KB to THF _____; KB to MGL _____

Annulus Fluid: _____ ppg _____

Tree: _____ psi WP _____

Type of Pump: _____

Unit Size: _____

SPM: _____

Stroke Length: _____

Type of Drive: _____

Bluebell FIELD

Washburn LEASE

#1-2C2 WELL

Completed: 10 / 83

Workover: 3 / 84, 11 / 85, 1 /

TUBING _____

" # _____

Size Weight Thread Collars _____

Grade to Feet New/Used/Rerun Coating _____

2300'

2600'

10 3/4" csg. 45.50 # to 2505'

**PROPOSED
MECHANICAL SKETCH**

Remarks: TOC Behind 7 5/8" @ 7000'

Otis "WB" PKr @ 7100'

7192'-8406' OA w/ 3 SAF ^{Green} River Zone

Otis "WB" @ 8670'

8731'-9960' OA w/ 1.02 JPF, Wasatch Zone

PSTD @ _____
7 5/8 csg. 33.70 # to 10209'
to _____

T.D. 10209'

Prepared By: LRT Date: 9-3-86

Proposed P&A Procedure

1. RU rig.
2. ND tree. NU and test BOP's to 2500 psi. Remove BPV's.
3. POOH and lay down short string.
4. RU on long string. Establish injection rate of 3-4 BPM at maximum 4500 psi down tbg. Spot 150 sx "G" down to EOT. Sq. 100 sx below pkr at 7100'. Leave 50 sx on top of pkr. POOH with tbg.
5. ND tbg. spool and BOP's. Weld onto 7-5/8" csg. and NU BOP's on 10-3/4" csg. Cut 7-5/8" csg. at 2600' and work free.
6. Spot 150 sx Cl "G" cement across 10-3/4" csg shoe from 2600-2300'.
7. Spot 30 sx Cl "G" on top of 10-3/4" csg from 60' to surface.
8. Cut off 10-3/4" csg 4' BGL. Weld on 1/4" plate on 10-3/4" csg. Install dry hole marker on csg. with name of well name, number, and location of well.
9. Will remove surface production equipment and perform final location restoration.



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

June 24, 1987

TO: FILE
FROM: VICKY CARNEY *VLC*
RE: WASHBURN #1-2C2 API# 43 013 30786 SEC 02 T03S R02W

In questioning the PRODUCING ZONE for this well, I talked with RJFirth. State approval was given 10-3-85 to plug back from WSTC to GRRV. We do not have a sundry stating this was done, but we do have a sketch stamped "PRESENT MECHANICAL SKETCH" showing a plug between the WSTC & GRRV producing zones and a workover date of 11-85.

There has been production during this time and it was decided to use the 11-85 date as the change. Therefore, any production THROUGH 11-85 will be in the WSTC producing zone and all production BEGINNING 12-85 will in the GRRV producing zone.

0511S-31

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.)

5. LEASE DESIGNATION AND SERIAL NO.	FEE
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
7. UNIT AGREEMENT NAME	
8. FARM OR LEASE NAME	Washburn
9. WELL NO.	1-2C2
10. FIELD AND POOL, OR WILDCAT	Wildcat
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	Sec. 2, T3S, R2W
12. COUNTY OR PARISH	Duchesne
13. STATE	Utah

RECEIVED
OCT 20 1988

DIVISION OF
OIL, GAS & MINING

1. OIL WELL GAS WELL OTHER P&A'd

2. NAME OF OPERATOR
Sonat Exploration Company, Attn: Julie Ward

3. ADDRESS OF OPERATOR
P.O. Box 1513, Houston, TX 77251-1513

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface
1530' FEL & 500' FSL of Section 2, T3S, R2W

14. PERMIT NO.
43-013-30786

15. ELEVATIONS (Show whether OF, RT, OR, etc.)
5324'

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 checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <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.)*

See attachment.

18. I hereby certify that the foregoing is true and correct
SIGNED Julie Ward TITLE Regulatory Compl. Admin. DATE 10/17/88

(This space for Federal or State office use)

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

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law 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.

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 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

Data on Present Zone:

Green River Zone: Abandoned perforations at 7192-8406'OA

OIL AND GAS	
DRN	RUF
JRB	GLH
DTC	SLS
L-TAS	
2 - MICROFILM	
3 - FILE	

Washburn #1-2C2
Section 2, T3S, R2W
Duchesne County, Utah

P&A Procedure

1. MI/RU well service unit on 9/12/88.
2. Pumped 30 bbls down 2-3/8" heat string. Pumped 300 bbls formation water down 2-3/8" production string.
3. ND tree. NU and tested BOPs.
4. POOH and laid down heat string.
5. Released 2-3/8" production string from Otis "WB" packer at 7100'. POOH. Laid down National pump cavity. TIH with tubing and seal assembly. Latched into packer at 7100'. Established injection rate of 3 BPM at 1600 psi. Squeezed 100 sx C1 "G" cement below the packer. Spotted 50 sx C1 "G" cement on top of packer. POOH to 240'.
7. Pumped down 10-3/4" with 10 sx C1 "G" cement with 2% chloride and pumped down 2-3/8" tubing with 50 sx C1 "G" cement with 2% chloride. POOH.
8. ND BOPs. NU wellhead.
9. Tied into 10-3/4". Attempted to pressure test. Leaked off to 650 psi. Tied into 7-5/8" - tested to 2000 psi - OK.

Note: Noticed slow leak off in 10-3/4" casing to 650 psi. Gary Gardner with State of Utah, Oil, Gas, and Mining witnessed leak off. National valve at surface was leaking slowly. Pressure tested OK.
10. RD/MO well service unit.
11. Cut off conductor pipe, 10-3/4" and 7-5/8" casing. Filled 10-3/4" x 7-5/8" annulus with 4 sx C1 "G" cement to surface. Welded steel plate on top of casing with well data as per Gary Gardner, State of Utah, Oil, Gas, and Mining. ~~NOT P&A UNIT~~
9/16/88. The location is being cleared and restored. Estimated completion of project ±November 15, 1988.

Sonat Exploration Company
Post Office Box 151
Houston TX 77251 1513
713 940 4000

RECEIVED
OCT 20 1988

SONAT EXPLORATION

DIVISION OF
OIL, GAS & MINING

October 17, 1988

RE: Washburn #1-2C2
Sonat-Strand-Baranger #1-23B2
Duchesne County, Utah

State of Utah
Natural Resources and Energy
Oil, Gas, and Mining
4241 State Office Building
Salt Lake City, UT 84114

Gentlemen:

Enclosed in triplicate is Form OGC-1b, "Sundry Notices and Reports on Wells" and its attachments regarding the subject wells.

If additional information is necessary, please contact Julie Ward at 713/940-4021.

Sincerely,



Debbie H. Leflar
Regulatory Compliance Administrator

JAW:by

Enclosures

SONAT EXPLORATION

October 26, 1988

RE: Washburn #1-2C2
Duchesne County, UT
35 24 5 2

Mr. and Mrs. Dean Washburn
Route 2
Roosevelt, UT 84066



Dear Mr. and Mrs. Washburn:

This will confirm our understanding that in consideration of SEVENTEEN THOUSAND FIVE HUNDRED dollars (\$17,500.⁰⁰) being full settlement, the receipt of which is hereby acknowledged; you agree that Sonat Exploration Company has adequately restored the surface of the subject land to your satisfaction and do hereby release Sonat Exploration Company, its successors and assigns from any action, claim or demand against it occasioned by the drilling of the subject well.

Please acknowledge by signing in the space provided below.

Thank you for your cooperation.

Sincerely,



M. J. Simon
Drilling Manager

MJS:by

Accepted and agreed to this 21 day of November, 1988.

Signed: Dean Washburn

Print Name



APPLIED DRILLING SERVICES, INC.

OILFIELD CONSULTANTS AND OPERATIONS MANAGEMENT

Rt. 1 Box 1764
Roosevelt, Utah 84066
801-722-5087

January 24, 1989

P.O. Box 620554
Littleton, Colorado 80127
303-973-6189

RECEIVED
FEB 01 1989

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

DIVISION OF
OIL, GAS & MINING

Dear Arlene:

35 IW - 2
43-013-
30786

Enclosed are the final records and land owners agreements between Sonat Exploration Company and the land owners on the Dean 1-7C1, Washburn 1-2C2 and Barranger 1-23B2. As indicated in my conversation with Jim Thompson, these agreements will satisfy your records so that Sonat's bond might be released.

43-013-30739
35 IW - 7

If you should have any questions, please feel free to contact me at 801-722-5087.

Sincerely,

Cary Smith, President
APPLIED DRILLING SERVICES, INC.

Enclosures

43-013-30786