AMERICAN QUASAR PETROLEUM CO.
OF NEW MEXICO

707 UNITED BANK TOWER, 1700 BROADWAY, DENVER, COLORADO 80290, U.S.A.
TELEPHONE (303) 861-8437

September 27, 1983

State of Utah
Division of Oil, Gas & Mining
4241 State Office Building
Salt Lake City, Utah 84114

Subject: Application for Permit to Drill
UPRR 35-22, SE NW Sec. 35, T3N-R7E
Summit County, Utah

Gentlemen:

Enclosed is an application for permit to drill for the referenced location. Due to topography and proximity of the location to Chalk Creek and existing pipelines, it is necessary to move the surface location to the west, as shown on the enclosed plat. The producing interval of the wellbore in the Nugget formation will be within a 200 foot radius of the center of the SE¼ NW¼ of Section 35. This will be accomplished by taking advantage of the anticipated natural drift tendencies along with directional drilling control. A complete directional well survey will be supplied at time of completion. The approved water application will be forwarded to your office upon approval.

American Quasar plans to spud this well by mid-October, 1983. Should you have any questions, please contact me at your convenience.

Sincerely,

John F. Works

John F. Works
Division Drilling Coordinator

JFW:sb
encl.

Form OGC-1a

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

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

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. Type of Well: Oil Well [X] Gas Well [ ] Other Single Zone [X] Multiple Zone [ ]

2. Name of Operator: American Quasar Petroleum Co.

3. Address of Operator: 707 United Bank Tower 1700 Broadway Denver, CO 80290

4. ~~Location of~~ Well (Report location clearly and in accordance with any State requirements.*)
At surface ~~1234'~~ 1235' FWL & 2338' FNL, SW¼NW¼, Sec. 35
At proposed prod. zone Center of SE¼ NW¼, Sec. 35 (See note below)

5. Lease Designation and Serial No.: FEE

6. If Indian, Allottee or Tribe Name:

7. Unit Agreement Name:

8. Farm or Lease Name: UPRR

9. Well No.: 35-22

10. Field and Pool, or Wildcat: ~~Wildcat~~ UNDESIGNATED

11. Sec., T., R., M., or Blk. and Survey or Area: Sec. 35, T3N-R7E

12. County or Parrish: Summit County, Utah 13. State: Utah

14. Distance in miles and direction from nearest town or post office*: Approximately 16 miles ENE of Coalville, Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any): Surface location-1235' Btm hole location-660'

16. No. of acres in lease: 480

17. No. of acres assigned to this well: 80

18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.: 1450'@ BH location

19. Proposed depth: 13,000' MD

20. Rotary or cable tools: Rotary

21. Elevations (Show whether DF, RT, GR, etc.): 6641' GL (ungraded)

22. Approx. date work will start*: October 15, 1983

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
17½"	13 3/8"	54.5#	2000'	Cemt to sfc
12¼"	9 5/8"	43.5# & 47#	10000'	Cemt to 8000'±
8¼"	7 3/4"(liner)	46.10#	9800-10400'	Length of liner
6½"	5"(liner)	18#	13000-9700'	Length of liner

Set 60'± of 30" conductor
MIRU drilling rig
Drill and cemt casing as above
DST as warranted
Use a low solids/lightly dispersed mud system
Log as follows: DIL, DLL/GR, FDC/CNL, Integrated Sonic, & Dipmeter
Will run 7" tieback to top of 5" liner if inspection of 9 5/8" casing warrants
Directional drilling required due to proximity of the surface location to pipelines, Chalk Creek and rough terrain.

Note: Well will penetrate Nugget within 200' radius of center of SE/NW.

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 John F. Works John F. Works Title Division Drilling Coordinator Date 9/19/83

(This space for Federal or State office use)

Permit No. Approval Date

Approved by Title Date

Conditions of approval, if any:

RECEIVED SEP 30 1983 DIV. OF OIL, GAS & MINING

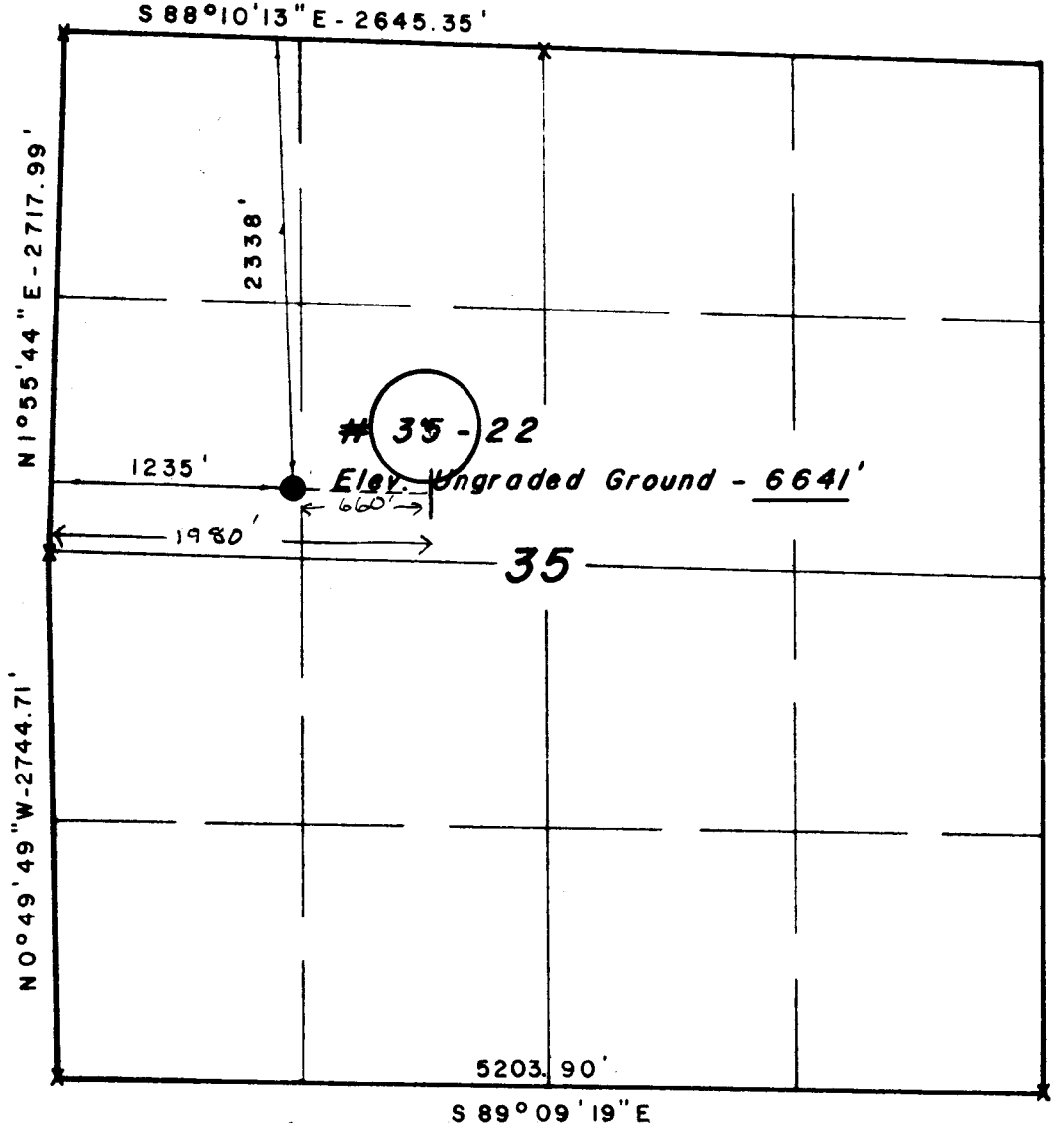
*See Instructions On Reverse Side

203-1

The NW 1/4 & SE 1/4 of each quarter section are the permitted areas for the 80 stand up units

T 3 N , R 7 E , S.L.B. & M.

BEST COPY AVAILABLE



X = Section Corners Located

PROJECT

AMERICAN QUASAR PETROLEUM CO.

Well location, # 35 - 22, located as shown in the SW 1/4 NW 1/4 Section 35, T 3 N, R 7 E, S.L.B. & M. Summit County, Utah.

N

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.

Dave Stewart

REGISTERED LAND SURVEYOR
REGISTRATION Nº 3154
STATE OF UTAH

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

SCALE 1" = 1000'	DATE 3/8/82
PARTY D.A. J.K. L.Z.	REFERENCES GLO Plat
WEATHER Cold	FILE AMERICAN QUASAR

OPERATOR AMERICAN QUASAR PETROLEUM DATE 10-3-83

WELL NAME UPRR 35-22

SEC SENW 35 T 3N R 7E COUNTY SUMMIT

43-043-30243
API NUMBER

FEE
TYPE OF LEASE

POSTING CHECK OFF:

[ ] INDEX	[ ] MAP	[ ] HL
[ ] NID	[ ]	[ ] PI

PROCESSING COMMENTS:

DIRECTIONAL DRILLING

NO OTHER WELL IN STANDUP 80

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

DATE: 10-4-83

BY: [signature]

✓ CHIEF PETROLEUM ENGINEER REVIEW:

10/4/83. Standup 80 Acres E1/2 NW1/4, Sec 35.

APPROVAL LETTER:

SPACING: [ ] A-3 _____ UNIT [X] c-3-a AMENDED 203-1 10-29-82 CAUSE NO. & DATE

[ ] c-3-b [ ] c-3-c

SPECIAL LANGUAGE: (1) DIRECTIONAL SURVEY DATA MUST BE SUBMITTED AT TIME OF COMPLETION. (2) SPECIAL ATTENTION IS DIRECTED TO COMPLIANCE WITH PRESSURE TESTING AND OTHER REQUIREMENTS OF THE ORDER IN CAUSE #203-1 AS AMENDED. (3) WATER

October 4, 1983

American Quasar Petroleum Company
707 United Bank Tower
1700 Broadway
Denver, Colorado 80290

RE: Well No. UPRR # 35-22
SE NW, Sec. 35, T. 3N, R. 7E.
(surf) SW NW, 2338' FNL, 1235' FWL
(BHL) 200' Radius of center of SE NW
Summit County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with the Order issued in Amended Cause No. 203-1, dated 10-29-82. Directional survey data must be submitted at time of completion. Special attention is directed to compliance with pressure testing and other requirements of the Order in Cause # 203-1 as amended. Prior to spudding, a copy of the Utah Division of Water Rights (801-533-6071) approval for use of water at the drilling site shall be submitted to this office, otherwise authority to drill this well 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 43-043-30243.

Sincerely,

Norman C. Stout
Administrative Assistant

NCS/cf
Enclosures

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: AMERICAN QUASAR PETROLEUM

WELL NAME: UPRR #35-22

SECTION SENW 35 TOWNSHIP 3N RANGE 7E COUNTY SUMMIT

DRILLING CONTRACTOR Parker

RIG # 183

SPUDDED: DATE 10-18-83

TIME 9:30 AM

HOW Rotary

DRILLING WILL COMMENCE

REPORTED BY John Works

TELEPHONE # 303-861-8437

DATE 11-2-83 SIGNED SB

WATER PERMIT # 83-35-29

Form OGC-1b

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

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 [X] GAS WELL [ ] OTHER

2. NAME OF OPERATOR: American Quasar Petroleum Co.

3. ADDRESS OF OPERATOR: 707 United Bank Tower 1700 Broadway Denver, CO 80290

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 1234' FWL & 2338' FNL, SW¼NW¼ Sec. 35

5. LEASE DESIGNATION AND SERIAL NO.: FEE

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: UPRR

9. WELL NO.: 35-22

10. FIELD AND POOL, OR WILDCAT: Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 35, T3N-R7E

14. PERMIT NO.: 43-043-30243

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 6641' GL (ungraded)

12. COUNTY OR PARISH: Summit

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	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other) Monthly Report of operations			[XX]
(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.)*

See attached

RECEIVED
MAR 7 1984
DIVISION OF
OIL, GAS & MINING

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

SIGNED [signature] TITLE Division Production Manager DATE 2/5/84

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UPRR 35-22
1234' FWL 2338' FNL, Sec. 35, T3N-R7E
[illegible] County, Utah Elev: 6641 GL

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

2/22/84 - Day 127 - TD 10913', made 0'. TIH, MW 8.8, Vis 57, WL 6.4, pH 9.6. Attempted to drill, motor stalled. Pull string tool & TOH. LD motor & 1½° bent sub. PU BHA & bit #28 (Security M84F, SN 278684) & TIH. Hit tight spot @9479'. Could not work through. TOH, LD 2 IBS, inspect bit, TIH.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

2/23/84 - Day 128 - TD 10957', Twin Creek. Drlg w/Navidrill. MW 8.8+, Vis 49, WL 6.8, pH 9.7. TIH, work thru tight spot @9510 w/10-15M# down & 35-40M# drag up. Mix & circ slug. TOH & change BHA & bit. RR Bit #25, (6 1/8" 331-B, S/N 0110176). Break circ @shoe. Wash & ream 45' to btm. Survey 11½° N27E @10906'. Drlg, bit #25 has drld 44' in 9 hrs. WOB 20M, RPM 32, BGG 1, TG 2. Btm hole location 10837.6', N74', E368'.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

2/24/84 - Day 129 - TD 10990', made 33' in Twin Creek. Drlg w/Navidrill. MW 8.8+, Vis 43, WL 7, pH 9.9. Drlg w/RR #25 6 1/8" bit. Mud motor quit, TOH & change mud motor. Test mud motor, TIH, break circulation at shoe @10130'. Surv 10° N30E @10936'. BHL N79' E639' @TVD 10867'. Bit #25 has drld 77' in 19½ hrs. WOB 20M, RPM 32. IDC $2,269,139, TDC $274,219, CWC $2,543,358.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

2/25/84 - Day 130 - TD 11002', Twin Creek, drlg w/Navidrill. MW 8.8, Vis 55, WL 7.2, pH 9.8. TOH for bent sub, TIH, wash & ream 15' to btm, orient tool & drlg. RR #25 has drld 89' in 23½ hrs. WOB 6-8, 420 RPM.

2/26/84 - Day 131 - TD 11042', Twin Creek, Drlg w/Navidrill. MW 8.9, Vis 56, WL 7.6, pH 9.7. Drlg w/RR #25 & mud motor quit. TOH @11017'. TIH w/bit #29, 6 1/8" CHR 331, S/N 0207975, made 25', 3 hrs. WOB 5-6, RPM 420, BGG 2, TG 4.

2/27/84 - Day 132 - TD 11195', Twin Creek, Drlg w/Navidrill, MW 8.9, Vis 49, WL 7.8, pH 9.9. Bit #29 has drld 178' in 19 hrs. WOB 3-8M, RPM 420, BGG 1-2 Surv: 8½° N34E @11018' (N90.2' E646', TVD 10948', 10 3/4° N25E @11078' (N98.9', E651.4' TVD 11007', 12° N22E @11140'.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

2/28/84 - Day 133 - TD 11299', made 104' in Twin Creek. TOH, magnaflux DC's. MW 8.8, Vis 48, WL 7.8, pH 9.8. Drld w/bit #29, 6 1/8" hole. Made 282' in 29½ hrs. WOB 8M#, RPM 420. TOH, magnaflux. LD 1 DC swelled box, 1 X-O sub swelled box & X-O pin, 1 bent sub cracked pin. Surv: 13½° N21E @11201' (BHL N123' E661', TVD 11127'), 15½° N21E @11264' (BHL N137' E667', TVD 11188').

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

2/29/84 - Day 134 - TD 11307', Twin Creek, Drlg. mw 8.7, Vis 48, WL 7.2, pH 9.7. Fin PU BHA, TIH, wash & ream to 10975-11299', drlg w/RR #25. WOB 25M, RPM 80.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

3/1/84 - Day 135 - TD 11364', made 54' in Twin Creek, Drlg. MW 8.9, Vis 48, WL 7.6, pH 9.8. TOH for bit 11301', LD 10 jts 5" DP. PU 10 jts 3½" DP. TIH w/Bit #30, (6 1/8" SMS86F, S/N 273754). Broke circulation at shoe, now drlg. Surv: 16° N20E @11319', WOB 20M, RPM 50, BGG 1-2, TG 4.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

3/2/84 - Day 136 - TD 11398', made 34', Twin Creek, Drlg. MW 8.8, Vis 48, WL 7.6, pH 9.7. TOH for bit @11381', ran bit #31, (6 1/8" SMS808F, S/N 264067). Bit drld 17'in 9½ hrs. WOB 25M, RPM 45, BGG 2, TG 4. TDC $2,269,139, IDC $374,083, CWC $2,643,222.

UPRR 35-22
1234' FWL 2338' FNL, Sec. 35, T3N-R7E
Summit County, Utah Elev: 6641 GL

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

2/9/84 - Day 114 - Drlg Twin Creek @10362', drld 108' in 15 hrs. MW 8.8, Vis 44, WL 9, pH 9.3. Surv 8 3/4° S43E @10272'. Bit #24 has drld 108' in 15 hrs. WOB 8-10M, RPM 420, BGG 2, TG 6.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

2/10/84 - Day 115 - Drlg Twin Creek @10402', drld 40' in 9 hrs. MW 8.7, Vis 49, WL 8, pH 9.4. Surv: 9½° S61E @10333'. Mud motor failed, TOH, change out mud motor. TIH, run steering tool, orient mud motor. Bit #24 has drld 148' in 24 hrs. WOB 8-10M, RPM 420, BGG 2, TG 4. IDC $2,017,709, TDC $274,219, CWC $2,291,928.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

2/11/84 - Day 116 - TD 10448', cut drlg line. Drld 46' in Twin Creek in 8½ hrs. MW 8.7, Vis 42, WL 7.8, pH 9.3. Surv 9¼° S75E @10392'. Steering tool parted, TOH, recovered tool, change out mud motor, TIH to csg shoe, break circulation, now cutting drlg line. Bit #24 has drld 194' in 32½ hrs. WOB 5-10M, RPM 420.

2/12/84 - Day 117 - Drlg Twin Creek @10550', drld 102' in 19 hrs. MW 8.8, Vis 49, WL 7.8, pH 9.7. Surv 9¼° N88E @10458', Bit #24 has drld 296' in 51½ hrs. WOB 8-10M, RPM 420, BGG 2, TG 6.

2/13/84 - Day 118 - Drlg Twin Creek @10654', drld 104' in 20 hrs. MW 8.8, Vis 52, WL 7.8, pH 9.8. Surv: 9¼° N68E @10519', 10 3/4° N50E @10579'. Bit #24 has drld 400' in 71½ hrs, WOB 6-10M, RPM 420, BGG 2.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

2/14/84 - Day 119 - Drlg Twin Creek @ 10720', drld 66' in 16½ hrs, MW 8.8 Vis 51 WL 7.6 pH 9.8. Surv. 11-3/4° N 54E @ 10641', Bit #24 drld 466' in 88 hrs. WOB 6-10,000 RPM 420 BGG 2 units.

UPRR 35-22
13000 Nugget-Dev
Summit Co., UT
Pineview Field

2/15/84 - Day 120 - Drlg Twin Creek @ 10801' Drld 81' in 19½ hrs. MW 8.8 Vis 52 WL 7.4 pH 9.8. Surv. 11½° N34E @ 10765', Bit #24 has drld 547' in 107½ hrs, WOB 5-10,000 RPM 420 BGG trace.

UPRR 35-22
13000 Nugget-Dev.
Summit Co., UT
Pineview Field

2/16/84 - Day 121 - TD 10801', rmg @ 10420' w/ 6½" bit, rmd 166' in 9 hrs, MW 8.8 Vis 49 WL 7.4 pH 9.7. Pull stearing tool. TOH & LD 18 jts DP, navidrill & bentsub, RR Bit #23 6½" (SN 386237) & TIH. Started reaming 6-1/8" hole to 6-1/2" @ 11,254'.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

2/17/84 - Day 122 - TD 10801', TOH w/BHA. MW 8.8, Vis 45, WL 7.6, pH 9.8. Reamed 381' 6 1/8" hole to 6½" hole. Circ btms up, TOH for mud motor & BHA. IDC $2,140,156, TDC $274,219, CWC $2,414,375.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

2/18/84 - Day 123 - TD 10848', Directional drilling in Twin Creek. MW 8.7, Vis 47, WL 7.8, pH 9.7. FTOH & change BHA. TIH w/Bit #25 (6 1/8", 331-B, S/N 0110176 at 10801')made 47'.
2/19/84 - Day 124 - TD 10878', TOH w/BHA, bit plugged. MW 8.9, Vis 56, WL 6.8, pH 9.5. Surv 12½° N22E @10828', 12 3/4° N22E @10843'. Bit #25 drld 77' in 28½ hrs. WOB 10-12M, RPM 420, BGG 2, TG 4.
2/20/84 - Day 125 - TD 10913', Twin Creek. TOH for mud motor. MW 8.8, Vis 58, WL 7.2, pH 9.7. Change BHA, TIHw/Bit #26 (RR Security M89F S/N 251767). Reamed 6 1/8" to 6½" 10801-10878'. Drld to 10913', WOB 25-30M, 55 RPM. Wireline broke & dropped instrument while rng survey. TOH for mud motor.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

2/21/84 - Day 126 - TD 10193', made 0', TIH w/steering tool. MW 8.8, Vis 55, WL 6.4, surv 10873' 12½° N24E, Twin Creek. FTOH, PU 6½" diamond bit & TIH. Would not go thru liner. TOH & LD 6½" bit. PU 6 1/8" bit & Dyna-drill & TIH. TIH w/steering tool.

1234' FWL 2338' FNL, Sec 35, T3N-R7E
Summit County, Utah Elev: 6641 GL

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

1/28/84 - Day 102 - Drlg Preuss salt @9574', Drld 102' in 11½ hrs. MW 10.8, Vis 41, WL 11.2, pH 10.4. TOH w/bit #19 @9485', Bit drld 39' in 10½ hrs. Cond: 8-6-1/8". Ran Bit #20 (8½" Hughes J33 S/N ZW 241). Bit has drld 89' in 8½ hrs. WOB 45M, RPM 45, BGG 4, TG 14.

1/29/84 - Day 103 - Drlg Preuss salt @9800', drld 226' in 24 hrs. MW 10.8, Vis 43, WL 11.4, pH 10.5. Bit #20 has drld 315' in 32½ hrs. WOB 45M, RPM 45, BGG 1-2.

1/30/84 - Day 104 - Drlg Basalt Preuss @9977', drld 177' in 24 hrs. MW 12.5, Vis 56, WL 10.8, pH 10.1. Bit #20 has drld 492' in 56½ hrs. WOB 45M, RPM 45, base of salt @9928', BGG 2.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

1/31/84 - Day 105 - TD 10016', W&R to btm. Drld 39' in 11½ hrs. MW 13, Vis 59, WL 11, pH 9.5. TOH w/Bit #20 @10016'. Bit drld 531' in 68 hrs. Cond: 5-4-I. Ran Bit #21 (8½" Security S86F S/N 115555). Now W&R to btm.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

2/1/84 - Day 106 - Drlg Twin Creek @10079', drld 63' in 20 hrs, MW 13.6, Vis 60, WL 12.2, pH 9.4. Bit #21 has drld 63' in 20 hrs. WOB 45M, RPM 45, S/T Twin Creek 10027', BGG 1-2, TG 0.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

2/2/84 - Day 107 - TD 10130', RU csg tools. MW 13.6, Vis 60, WL 10, pH 9.8. Drilled to 10130', circ btms up, TOH to 9 5/8" csg shoe. Circulate, TIH to btm w/no problems. TOH w/Bit #21 Bit drld 114' in 33½ hrs. Cond: 2-2-I. Now RU csg tools to run 7 3/4" liner.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

2/3/84 - Day 108 - TD 10130', TIH, MW 13.6, Vis 60, WL 8.8, pH 9.7. RU csg crews, MU 20 jts 7 3/4" 36.10# LSS125 SFJP w/Brown Oil Tool liner hanger, total length 894.58'. TIH w/9263' DP, circ to clear liner. Attempt to set liner hanger, BO on last attempt. TOH, setting tool rlsd from liner hanger. PU 1 jt 3½" DP & sqz pkr, now TIH. IDC $1,896,691, TDC $274,219, CWC $2,170,910.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

2/4/84 - Day 109 - TD 10130', TOH, MW 13.3, Vis 58, WL 14.8, pH 10.8. TIH, set squeeze pkr @9290'. Break circ, RU Halliburton, cemt liner as follows: 47 bbls SW flush followed by 400 sx Class H w/18% salt, .3% Halad 24 + ¼# Flocele. Displace w/10 BW + 183 bbls mud. CIP @ 2 PM. Rels pkr, TOH, TIH w/Bit #RR21 (8½" Security S86F S/N 115554). Circ & WOC @8000'. TIH, tag TOC @9051'. Drld cemt to top of liner @9235'. Now TOH w/Bit #RR21.

2/5/84 - Day 110 - TD 10130', drlg out liner. MW 13.3, Vis 55, WL 15.2, pH 10.5. FTOH w/Bit #21, LD 69 jts 5" DP & 6 5/8" DC. Change lower pipe rams to 3½", PU 4½" DC & 61 jts 3½" DP. TIH w/Bit #22, 6½" Security M44NF S/N 294682. Drld cemt out of top of liner @9235'. TIH, TOC @9808'. Hit hard cemt @9950'. Now drlg cemt.

2/6/84 - Day 111 - TD 10150', Rng Gyro. Drld 20' in 4½ hrs. MW 8.6, Vis 37, WL 16.4, pH 10.7. Drld cemt & shoe, press test csg to 1000 psi for 15 min. Displaced salt mud w/low solids mud. Drld to 10150', TOH w/Bit #22. Bit drld 20' in 4½ hrs, cond: 5-4-I. RU WL, now rng Gyro.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

2/7/84 - Day 112 - Drlg Twin Creek @10231', drld 81' in 12 hrs. MW 8.7, Vis 40, WL 10.4, pH 9.9. Surv: 6 3/8° S52E @10180'. Finish rng Gyro, PU BHA, TIH w/Bit #23 (6½" Security S86F, S/N 286237). Bit #23 has drld 81' in 12 hrs, WOB 20M, RPM 45, BGG 2, TG 4.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

2/8/84 - Day 113 - TD 10254', orienting mud motor. Drld 23' in 4 hrs. MW 8.7, Vis 42, WL 9.8, pH 9.4. TOH w/Bit #23 @10254', Bit drld 104' in 16 hrs. Cond: 4-3-I. Ran Bit #24 (6 1/8" Christiansen MD 331 S/N 0109730). Attempt to orient mud motor, bearing tool failed. Pull tool OOH, repair tool

UPRR 35-22
1234' FWL 2338' FNL, Sec. 35, T3N-R7E
Summit County, Utah Elev: 6641 GL

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

1/18/84 - Day 92 - TD 9446', logging. Drld 44' in 5½ hrs. MW 8.8, Vis 70, WL 9.2, pH 10.2. Surv: 14° N85E @9366'. S/T Salt 9438'. Circulate & condition, TOH w/Bit #18 @9446'. Bit drld 350' in 57 hrs. Cond: 5-4-1/8". RU Schlumberger, RIH w/DIL & Integrated Sonic log to 9416'. Now logging.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

1/19/84 - Day 93 - TD 9446'. String up 10 lines. Finish running logs & TIH to circ & cond. MW 8.8, Vis 60, WL 9.2, pH 10.2. Run CNL-FDC to 8416'. Run HT log (Dipmeter) to 9396'. RD Schlumberger. TIH w/Bit #18 to shoe. Slip drlg line & string to 10 lines.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

1/20/84 - Day 94 - TD 9446', TIH, MW 8.8, Vis 55, WL 9.4, pH 10.1. Finish stringing up 10 lines, TIH, unable to break circulation. Attempt to unplug bit. TOH, LD plugged DC & shock sub. TIH, circ & cond for csg. IDC $1,641,406, TDC $66,504, CWC $1,707,910.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

1/21/84 - Day 95 - TD 9446', rng 9 5/8" csg. MW 8.8, Vis 67, WL 9.6, pH 9.9. TIH, W&R to btm, circ & cond for csg. TOH, LD DC & BHA, RU csg crews. Now rng 9 5/8" csg.

1/22/84 - Day 96 - TD 9446', WOC. Ran 9 5/8" csg as follows: 67 jts 43.5# S-95 LT&C 2878.40', 149 jts 40# S-95 LT&C 6481.65', 1 jt 43.5# S-95 LT&C 44.86', 1 landing jt 33.07', total csg 9437.98'. Set at 9433'. RU & cemt as follows: 330 sx 50-50 Pozmix + 2% gel +0.2% R6 followed by 660 sx Class G + 0.2% R6 nitrified to 8 ppg. Tailed in w/250 sx Class G + 0.1% R6. Displaced cemt with full circulation, did not bump plug. Now WOC.

1/23/84 - Day 97 - TD 9446', NU BOP, WOC. Bled nitrogen off annulus, ND BOP's, set slips, cutoff csg, NU csg spool. Now NU BOP's.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

1/24/84 - Day 98 - TD 9446', Circulating btms up. MW 8.8, Vis 38, WL 20, pH 10.2. Finish NU BOP's, pressure test rams, manifold, kill lines & kelly cocks to 5000 psi, Hydril to 2500 psi, kelly hose & mud lines to 3500 psi. PU DC, TIH w/Bit #19 (8½" Reed S31G S/N 639887). Drilled float collar, RIH to float shoe, encountered no cement. Press test csg to 1000 psi for 30 min, now circ btms up.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

1/25/84 - Day 99 - TD 9446', TOH, MW 8.7, Vis 45, WL 22.6, pH 11.1. FTOH w/Bit #19. RU Petrolog, run cemt bond log TD to 7000', indicated TOC @7320'. Fair to poor bond on shoe jt. Perf'd sqz holes 9398-9400', 2 SPF. RIH to set cemt retnr @9378'. TIH, sting into retnr, establish injection rate @3 BPM @2700 psi. Sting out of retnr, pump 10 BW followed by 50 sx Class G w/1% D28 + 0.6% D21 followed by 10 BW. Displaced to stinger. Sting into cemt retnr & displace cemt. Sting out, reverse circ, now TOH.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

1/26/84 - Day 100 - TD 9446', changing out mud. MW 8.7, Vis 38, WL 20, pH 11.3. PU DC, TIH w/Bit #19 (8½" Reed F21G S/N 639887). Drld cemt retnr @9378', drld hard cemt to float shoe @9431'. Pressure test csg to 1000 psi 15 min, now displacing low-solids mud w/wtd salt mud.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

1/27/84 - Day 101 - Drlg Preuss @9472', Drld 26' in 7½ hrs. MW 10.9, Vis 40, WL 12.6, pH 10.9. Finished displacing mud, circ & cond, drld float shoe, now drlg. Bit #19 has drld 26' in 7½ hrs, WOB 35M, RPM 55, BGG 2. IDC $1,772,629, TDC $274,219, CWC $2,046,848.

UPRR 35-22
1234' FWL 2338' FNL, Sec. 5, T3N-R7E
Summit County, Utah Elev: 6641 GL

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

1/4/84 - Day 78 - Drlg Stump @8273', Drld 129' in 19 hrs. MW 9, Vis 55, WL 6.8, pH 10. Surv 12 3/4° N63E @8303', 12 3/4° N68E @8183'. Bit #RR 9 has drld 190' in 26 hrs. WOB 60-70M, RPM 60, BGG 2-4.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

1/5/84 - Day 79 - TD 8338', TIH. Drld 65' in 14 hrs. MW 9, Vis 57, WL 6.8, pH 10.1. Surv 12¼° N68E @8256', 12° N70E @8277'. TOH w/Bit #RR 9 @8338', bit drld 255' in 40 hrs. Cond: 8-8-3/4". Ran Bit #RR10 (12¼" Reed FP 52 S/N 892175). S/T Preuss 8283'. BGG 2-4.

UPRR 35-22
13000 Nugget-Dev.
Summit Co., UT
Pineview Field

1/6/84 - Day 80 - TD 8423' Preuss, Drld 85' in 14 hrs. MW 9.0 Vis 63 WL 7.2 pH 9.7. Surv 12¼° N74E @8347', finished reaming to btm, Bit #RR10 drld 85' in 14½ hrs, WOB 70000 RPM 60 BGG 2 units. IDC $1,447,446 TDC $66,504 CWC $1,513,950

UPRR 35-22
13000 Nugget-Dev.
Summit Co., UT
Pineview Field

1/7/84 - Day 81 - Drlg Preuss @ 8543', Drld 120' in 19 hrs. MW 9.0 Vis 67 WL 7.6 pH 9.6. Surv 12¼° N74E @ 8373', 11½° N75E @ 8435'. Bit #RR10 drld 205' in 33½ hrs, WOB 70000 RPM 65 BGG 2 unts.

1/8/84 - Day 82 TD 8581' TIH. Drld 38' in 10½ hrs. MW 9.0 Vis 57 WL 7 pH 10. Surv 11¼° N79E @ 8524'. TOH w/ Bit #RR10 @ 8581', bit drld 243' in 44 hrs, cond 8-8-i. TIH w/ Bit #RR11 12¼" Smith F2 S/N EC5772. BGG 2 unts

1/9/84 - Day 83 TD 8683', rng survey. Drld 102' in 19 hrs, MW 9 Vis 54 WL 7.2 pH 9.8. Surv 11° N82E @ 8566', 10½° N83E @ 8626'. Finished TIH, wash & rm 75'. Bit #RR11 has drld 102' in 19 hrs. WOB 70000 RPM 55 BGG 2 unts TG 10 unts.

UPRR 35-22
13000 Nugget-Dev
Summit Co., UT
Pineview Field

1/10/84 - Day 84 - TD 8691' TIH, drld 8' in 2 hrs, MW 9.0 Vis 54 WL 7.2 pH 10, TOH w/ Bit #RR11 @ 8691', Bit drld 110' in 21 hrs cond.8-6-1/8", inspect BHA change out 9 DC's, TIH w/ Bit #17 12¼" Reed FP52J S/N A10699. BGG 2 units.

UPRR 35-22
13000 Nugget-Dev
Summit Co., UT
Pineview Field

1/11/84 - Day 85 - TD 8785 Preuss drld 94' in 14 hrs, MW 8.9 Vis 56 WL 7 pH 10.2. Surv. 10-3/4°N85E @ 8658', 11-1/4°N86E @ 8720'. Bit #17 drld 94' in 14 hrs, WOB 70,000 RPM 60. BGG 2-4 units TG 10 units

UPRR 35-22
13000 Nugget-Dev
Summit Co., UT
Pineview Field

1/12/84 - Day 86 - TD 8921' Rng Survey. Drld 136' in 19½ hrs. MW 8.8 Vis 59 WL 8.2 pH 9.8. Surv. 11½° N85E @ 8750', 12¼° N86E @ 8810', 13° N84E @ 8871'. Bit #17 drld 230' in 33½ hrs, WOB 60-70,000, RPM 60, BGG 2-4 units

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

1/13/84 - Day 87 - Drlg Preuss @9031', drld 110' in 15½ hrs. MW 8.8, Vis 55, WL 9.6, pH 10. Surv: 13° N84E @8871', 13¼° N85E @8933'. Bit #17 has drld 340' in 49 hrs. WOB 60M, RPM 60, BGG 2.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

1/14/84 - Day 88 - Drlg Preuss @9092', drld 61' in 22 hrs. MW 8.8, Vis 63, WL 10.8, pH 10.3. Surv: 13 3/4° N84E @8996', 14° N83E @9027'. Bit #17 has drld 401' in 71 hrs. WOB 55-60M, RPM 60, BGG 2.

1/15/84 - Day 89 - Drlg Preuss @9165', drld 73' in 14½ hrs. MW 8.8, Vis 56, WL 10, pH 10. Surv: 14° N84E @9088'. TOH w/Bit #17 @9096', bit drld 405' in 73½ hrs. Cond: 8-4-¼". Ran Bit #18 (12¼" Security S86F S/N 156656). Bit has drld 69' in 12 hrs. WOB 65M, RPM 55, BGG 1-2, TG 2.

1/16/84 - Day 90 - Drlg Preuss @9282', drld 117' in 19½ hrs. MW 8.7, Vis 60, WL 10.8, pH 10. Surv: 14° N83E @9150', 13½° N84E @9201'. Bit #18 has drld 186' in 31½ hrs. WOB 65M, RPM 54. BGG 2.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

1/17/84 - Day 91 - Drlg Preuss @9402', drld 120' in 20 hrs. MW 8.8, Vis 60, WL 9.4, pH 10.3, surv: 13 3/4° N84E @9243', 13 3/4° N83E @9304'. Bit #18 has drld 306' in 51½ hrs. WOB 65M, RPM 54, BGG 2.

UPRR 35-22
1234' FWL 2338' FNL, Sec. 35, T3N-R7E
Summit County, Utah Elev: 6641 GL

UPRR 35-22
13000 Nugget-Dev
Summit Co., UTah
Pineview Field

12-21-83 Day 64 - TD 7386', drlg Kelvin @ 7478', drld 92' in 12½ hrs, MW 9 Vis 57 WL 6.6 pH 10.3. Surv. 7-3/4°N64E @ 7373' 7-3/4°N64E @ 7433'. Bit #RR12 has drld 92' in 12½ hrs, WOB 65,000, RPM 80, BGG 0-1 unit, TG 0.

UPRR 35-22
13000 Nugget-Dev.
Summit Co., Utah
Pineview Field

12-22-83: Day 65 - TD 7564', drlg Kelvin. TOH & chg BHA, drld 86' in 12½ hrs, MW 9.0 Vis 55 WL 6.8 pH 10.0. Surv. 7½°N67E @ 7522'. Bit #RR14 has drld 67' in 9½ hrs, WOB 70,000 RPM 60-70 BGG 0-1 TG 0.
IDC: $1,170,049 TDC: $66,504

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

12/23/83 - Day 66 - TD 7655', Magnafluxing DC's. Drld 91' of Kelvin in 11 hrs. MW 8.9, Vis 52, WL 6.6, pH 10.1. Surv: 7½° N68E @7553', 7¼° N67E @7584', 7¼° N68E @7616'. Bit #RR14 has drld 158' in 20½ hrs. LD 3 DC's w/pulled thread, LD DC with cracked box, LD shock sub w/crooked box. WOB 70M, RPM 45-50.
12/24/83 - Day 67 - TD 7676', drlg Stump. Drld 21' in 7 hrs. Finished magnafluxing DC & BHA. MW 9 , Vis 54, WL 6.8, pH 9.8. Bit #RR15 (12¼" Smith F2 S/N EC 5761) drld 21' in 7 hrs. WOB 45M, RPM 70, Surv 7¼° N66E 7639', BGG 1-2.
12/25/83 - Day 68 - TD 7743', Drlg Stump. Made 67' in 22 hrs. MW 9, Vis 51, WL 6.6, pH 9.9. Bit #RR 15 made 88' in 29 hrs. WOB 45-55M, RPM 70. Surv: 7° N63E @7670', 7 1/8° N65E @7701'. BGG 2, TG 0.
12/26/83 - Day 69 - TD 7811', Drlg, Stump. Made 68' in 21 hrs. MW 9, Vis 52, WL 6.8, pH 10.1. Surv 7¼° N66E @7732', 7¼° N66E @7763'. Bit #RR 15 has dlrd 156' in 50 hrs. WOB 55M, RPM 80, BGG 2-4, TG 0.
12/27/83 - Day 70 - TD 7870', TIH w/mud motor. Drld 59' Stump in 11½ hrs. Run Bit #16, (12¼" Hughes J-22 SNZWo26) at 7870'. MW 9, Vis 54, WL 7, pH 10. Surv: 7° N68E @7794', 7° N68E @7825'. TOH, LD drlg assy. PU mud motor, 2° bent sub & BHA. Sfc test motor, TIH, BGG 2-4, TG 0.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

12/28/83 - Day 71 - TD 7883', drlg w/mud motor. Made 13' in 15 hrs. MW 9.1, Vis 55, WL 6.8, pH 9.8. TIH w/mud motor, break circ, FTIH. W&R 40' to btm. Orient tool & drlg. BGG 2, TG 0.

UPRR 35-22
13000 Nugget-Dev
Summit Co., Utah
Pineview Field

12/29/83 - Day 72 - TD 7896', drlg w/ mud motor. Made 13' in 24 hrs. MW 9.0 Vis 53 WL 6.6 pH 10.2 BGG 2
IDC $1,260,206 TDC $66,504

UPRR 35-22
13000 Nugget-Dev
Summit County, Utah
Pineview Field

12/30/83 - Day 73 - TOH w/mud motor. Made 18' in 23½ hrs. MW 9, Vis 54, WL 6.6, pH 10.3. Surv 7874' 8¼° N68E. Drlg w/mud motor, service rig, now TOH to change BHA. BGG 4, TG 0.
IDC $1,265,943, TDC $66,504, CWC $1,332,447.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

12/31/83 - Day 74 - TD 7914', repairing rig. MW 8.9, Vis 53, WL 6.8, pH 10. TOH w/Bit #16 @7914'. Bit drld 44' in 62½ hrs. Cond: 6-4-1/16". LD mud motor, PU bldg assy, TIH w/Bit #RR10 (12¼" Reed FP52J S/N 892175). Reamed through tite hole while TIH. SD to repair rotary chain sprocket.
1/1/84 - Day 75 - Drlg Kelvin @7994', drld 80' in 14½ hrs. MW 8.9, Vis 66, WL 7.2, pH 9.9 Surv 10° N70E @7917', 11° N69E @7947'. Finished repairing rotary sprocket, wash & ream to btm. Bit #RR10 has drld 80' in 14½ hrs. WOB 70M, RPM 60, BGG 4, TG 0.
1/2/84 - Day 76 - TD 8083', trip for BHA. Drld 89' in 13 hrs. MW 9, Vis 57, WL 6.8, pH 10.3. Surv 11½° N69E @7978', 12½° N69E @8040'. TOH w/Bit #RR10 @8083'. Bit drld 169' in 27½ hrs. Cond: 5-5-1/16". LD bldg assy, now PU packed BHA.
1/3/84 - Day 77 - Drlg Stump @8144'. Drld 61' in 7 hrs. MW 9, Vis 54, WL 7, pH 9.8. Surv: 12¼° N65E @8111'. Fin PU BHA, TIH w/Bit #RR9 (12¼" Reed HS51J S/N NCF 195). Bit has drld 61' in 7 hrs. S/T Stump @8014'. WOB 70M, RPM 60, BGG 2, TG 0.

UPRR 35-22
1234' FWL 2338' FNL, Sec. 35, T3N-R7E
Summit County, Utah Elev: 6641 GL

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

12/8/83 - Day 51 - Drlg Kelvin @5924', drld 35' in 14½ hrs. MW 9, Vis 55, WL 7.2, pH 10.1. Surv 1 3/4° S17E @6881'. Finish orienting mud motor, rm to btm. Bit #11 has drld 35' in 14½ hrs. WOB 15M, RPM 110, BGG 0-1, TG trace.

UPRR 35-22
13000 Nugget-Dev
Summit
Pineview Field

12/9/83 - Day 52 - TD 6955', TIH w/mud motor. Drld 31' in 14½ hrs. MW 9, Vis 54, WL 7, pH 10. Surv 2° S39E @6911'. TOH w/bit #11 @6955', bit drld 66' in 29 hrs, Cond: 2-2-1/8" Change mud motors, TIH w/Bit #12 (12¼" Smith F2 S/N EE3134). BGG 0-1. IDC $860,292, TDC $66,504, CWC $926,796.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

12/10/83 - Day 53 - Drlg Kelvin @7011', drlg 56' in 23 hrs. MW 9, Vis 56, WL 6.8, pH 10.2. Surv 2° S52E @6941'. Bit #12 has drld 56' in 23 hrs. WOB 15-17M, RPM 110, BGG 0-1.
12/11/83 - Day 54 - Drlg Kelvin @7057', drld 46' in 23 hrs. MW 9, Vis 54, WL 6.6, pH 10.1. Surv 2° S83E @7001'. Bit #12 has drld 102' in 46 hrs. WOB 15-25M, RPM 110, BGG 0-1.
12/12/83 - Day 55 - Drlg Kelvin @7076', drld 19' in 9 hrs, MW 9, Vis 58, WL 7, pH 10.3. TOH w/Bit #12 @7067'. Bit drld 112' in 57 hrs, Cond 4-E-1/8". Ran Bit #13 (12¼" Hughes J11, S/N 119YG). Bit has drld 9' in 3 hrs. BGG 0-1, TG trace.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

12/13/83 - Day 56 - TD 7099', rmg @7026', drld 23' in 4 hrs. MW 9, Vis 55, WL 6.8, pH 10.5. Surv @7061' 2 3/4° N85E. TOH w/Bit #13 @7099'. Bit drld 32' in 7 hrs, cond: 8-2-I. LD mud motor, PU rmg assy. TIH w/Bit #RR 11 (12¼" F2 S/N EC5772). Now rmg @7026'. BGG 0-1, TG trace.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

12/14/83 - Day 57 - TD 7146', orienting mud motor. Drld 47' in 5 hrs. MW 9, Vis 58, WL 6.4, pH 10.7. Surv 3° N79E @7131'. Pulled bit #RR 11 @7146', bit drld 47' in 5 hrs, Cond: 4-4-1/8". PU mud motor, TIH w/Bit #14, (12¼" Hughes J22 S/N 650WG). Now orienting mud motor.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

12/15/83 - Day 58 - Drlg Kelvin @7209', Drld 63' in 23 hrs. MW 9, Vis 53, WL 6.4, pH 10.3. Surv 3° N74E @7158'. Bit #14 has drld 63' in 23 hrs. WOB 15M, RPM 110, BGG 0-1.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

12/16/83 - Day 59 - Drlg Kelvin @7251', drld 42' in 13 hrs. MW 9, Vis 48, WL 7.2, pH 10.5. Surv 3½° N71E @7188'. TOH, replace mud motor, TIH, orient. Bit #14 has drld 105' in 36 hrs. WOB 15, RPM 110, BGG 0-1. IDC $955,520, TDC $66,504, CWC $1,022,024.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

12/17/83 - Day 60 - Drlg Kelvin @7313', drld 62' in 22½ hrs. MW 9, Vis 50, WL 7.2, pH 10.4. Surv 4¼° N65E @7218'. Bit #14 has drld 167' in 57½ hrs. WOB 16M, RPM 110, BGG 0-1.
12/18/83 - Day 61 - Drlg Kelvin @7345', drld 72' in 13 hrs. MW 9, Vis 50, WL 6.8, pH 10.5, surv 4½° N71E @7278'. TOH w/Bit #14 @7323', bit drld 177' in 62½ hrs. Cond: 2-E-1/8". Ran Bit #15 (12¼" Smith F2 S/N EC5761). Bit drld 22' in 8 hrs. WOB 14M, RPM 110, BGG 0-1, TG trace.
12/19/83 - Day 62 - Drlg Kelvin @7381', drld 36' in 22½ hrs. MW 8.9, Vis 53, WL 6.8, pH 10.5. Bit #15 has drld 58' in 30½ hrs. WOB 15M, RPM 110, BGG 0-1.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

12/20/83 - Day 63 - TD 7386', rmg motor run. Drld 5' in 4 hrs. MW 8.9, Vis 55, WL 7, pH 10.2. Surv 6½° N64E @7339'. TOH w/Bit #15 @7386'. Bit drld 63' in 34½ hrs. Cond: 2-3-1/8". LD mud motor & tools, PU rmg assy. TIH w/Bit #RR12 (12¼" Smith F2 S/N EE3134). Now rmg to btm. WOB 0-5M, RPM 55, BGG 0-1 TG trace.

UPRR 35-22
1234' FWL 2338' FNL, Sec. 9, T3N-R7E
Summit County, Utah Elev: 6641 GL

UPRR 35-22
13000 Nugget=Dev
Summit County, UT
Pineview Field

11/24/83 - Day 37 - Drlg Kelvin @5715', drld 179' in 22½ hrs. MW 9, Vis 57, WL 7.2, pH 10.2. Surv ¼° @5602'. Bit #7 has drld 785' in 80½ hrs. WOB 50M, RPM 65, BGG tr-1.
CORRECTION: Report dated 11/23/83 - TD 5536.

11/25/83 - Day 38 - Drlg Kelvin @5919'. Drld 204' in 22 hrs. MW 9.1, vis 55, WL 7.8, pH 10.3. Surv: 1° @5722'. Bit #7 has drld 989' in 102½ hrs. WOB 50M, RPM 70M, BGG tr-1. IDC $655,763, TDC $66,504, CWC $722,267.

11/26/83 - Day 39 - Drlg Kelvin @6034', drld 115' in 9½ hrs. MW 9.1, Vis 51, WL 11.2, pH 10. Surv 3/4° @5965'. Pulled Bit #7 @5931', bit drld 1001' in 104 hrs. Cond: 5-5-1/8". RU & run Gyro 5900' to sfc. Btm hole location: 53' S 3° 40 min E. TIH w/Bit #8 (12¼" Smith F2 S/N EC5943). Bit has drld 103' in 8 hrs. WOB 45M, RPM 65. BGG trace, TG 2.

11/27/83 - Day 40 - Drlg Kelvin @6247'. Drld 213' in 22 hrs. MW 9.2, Vis 53, WL 7, pH 10.1. Surv: 3/4° @6088', 1° @6212'. Bit #8 has drld 316' in 30 hrs. WOB 50, RPM 65, BGG trace.

11/28/83 - Day 41 - Drlg Kelvin @6414', drld 167' in 23 hrs. MW 9.1, Vis 48, WL 7.6, pH 9.9. Surv 1° @6305'. Bit #8 has drld 483' in 53 hrs. WOB 55M, RPM 70, BGG trace.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

11/29/83 - Day 42 - Drlg Kelvin @6566', drld 152' in 22 hrs. MW 9.1, vis 47, WL 8, pH 9.8. Surv 1° @6427', 1½° @6551'. Bit #8 has drld 635' in 75 hrs. WOB 55M, RPM 70, BGG trace.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

11/30/83 - Day 43 - Drlg Kelvin @6694', drld 128' in 22½ hrs. MW 9.1, Vis 50, WL 7.4, pH 9.8, Surv 3/4° @6641'. Bit #8 has drld 763' in 97½ hrs. WOB 55M, RPM 80, BGG trace.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

12/1/83 - Day 44 - TD 6744', TIH. Drld 50' in 7½ hrs. MW 9.1, Vis 54, WL 7.6, pH 9.9. Surv 1° @6729'. TOH w/Bit #8 (12¼" Smith F2 S/N EC5943). Bit drld 813' in 105 hrs. Cond: 5-4-1/8". PU Baker Mud motor, 1½° bent sub & MWD tool. TIH w/Bit #9 (12¼" Reed HS51, S/N NCF195). BGG tr-1.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

12/2/83 - Day 45 - Drlg Kelvin @6766', drld 22' in 17½ hrs. MW 9.2, Vis 56, WL 7.4, pH 9.8. Test mud motor & MWD, TIH. Orient mud motor. Bit #9 has drld 22' in 17½ hrs. WOB 10-20M, RPM 90, BGG tr-1, TG 0. IDC $756,490, TDC $66,504, CWC $822,994.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

12/3/83 - Day 46 - Drlg Kelvin @6787', drld 21' in 12 hrs. MW 9.1, Vis 55, WL 7, pH 9. Surv 1° S10W @6705', 1½° S14E @6748'. TOH w/Bit #9, bit drld 24' in 18 hrs. Cond: 2-3-I. Ran Bit #10 (12¼" Reed FP52, S/N 882175). Bit has drld 19' in 11½ hrs. WOB 20M, RPM 105, BGG tr-1, TG 0.

12/4/83 - Day 47 - TD 6820', TIH, drld 33' in 20 hrs, MW 9.1, Vis 55, WL 7.2, pH 10.2. Surv 1½° S66E @6780'. TOH @6820 to change mud motors. Bit #10 has drld 57' in 31½ hrs. BGG tr-1.

12/5/83 - Day 48 - Drlg Kelvin @6851', drld 31' in 18½ hrs. MW 9, Vis 52, WL 6.8, pH 9.9. Surv 1 3/4° S9W @6812'. FTIH, orient mud motor. Bit #10 has drld 83' in 50 hrs. WOB 15-25M, RPM 105-125. BGG 0-1, TG trace.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

12/6/83 - Day 49 - TD 6853', thawing standpipe. Drld 2' in 2½ hrs. MW 9, Vis 51, WL 7, pH 10. TOH, Bit #10 @6863', bit drld 85' in 52½ hrs. Cond: 4-4-I. LD mud motor & MWD, PU rmg assy, TIH w/Bit #RR9 (12¼" Reed HS51J S/N NCF 195). TIH w/DC, SD to thaw stand pipe & kelly hose.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

12/7/83 - Day 50 - TD 6889', orienting mud motor. Drld 36' in 4 hrs. MW 9, Vis 50, WL 7.2, pH 9.9. Surv 2° S9E @6866'. TIH w/rmg assy, wash & ream to btm, POH w/Bit #RR 9 @6889'. Bit drld 36' in 4 hrs. LD BHA, PU mud motor, TIH, now RU to orient mud motor. BGG 0-1, TG trace.

UPRR 35-22
1234' FWL 2338' FNL, Sec. 35, T3N-R7E
Summit County, Utah Elev: 6641 GL

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
N. Pineview Field

11/12/83 - Day 25 - Drlg Kelvin @3720'. Drld 242' in 22 hrs. MW 9, Vis 45, WL 9.6, pH 9.3. Surv 3/4° @3541' 1° @3716'. Bit #4 has drld 1108' in 71 hrs. WOB 35-40M, RPM 80, BGG 1-2.
11/13/83 - Day 26 - Drlg Kelvin @3847'. Drld 87' in 10½ hrs. MW 8.9, Vis 45, WL 7.6, pH 9.3. Surv 1° @3805'. TOH w/Bit #4 @1153'. Bit drld 1153' in 76½ hrs. Cond: 4-3-I. TIH w/bit #5 (12¼" Hughes J22 S/N VL117). Bit has drld 42' in 5 hrs. WOB 35M, RPM 80. BGG 1, TG 23.
11/14/83 - Day 27 - TD 3929'. Trip for hole. Drld 82' in 8 hrs. MW 8.7, Vis 45, WL 8, pH 9.7. Surv 1° @3915'. Lost 400# pump press @3929'. TOH, LD shock sub. TIH. Bit #5 has drld 124' in 13 hrs. WOB 45-50M, RPM 80, BGG 1-2.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
N. Pineview Field

11/15/83 - Day 28 - Drlg Kelvin @3988', drld 59' in 5 hrs. MW 8.9, Vis 51, WL 7.6, pH 10.1. FTIH, W&R to btm, TOH, looking for hole in DP. LD 1 10" collar, TIH w/Bit #5 (12¼" Hughes J22 S/N VL117). Bit has drld 183' in 18 hrs. WOB 50M, RPM 80, BGG 1-2.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
N. Pineview Field

11/16/83 - Day 29 - Drlg Kelvin @4128', drld 140' in 15 hrs. MW 8.9, Vis 48, WL 7.2, pH 9.4. Surv 1° @4007'. Bit #5 has drld 323' in 33 hrs. WOB 45-50M, RPM 80. BGG 1-2.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
N. Pineview Field

11/17/83 - Day 30 - TD 4214', TIH. Drld 86' in 10 hrs. MW 8.8, Vis 57, WL 6.6, pH 9.7. TOH w/Bit #5 @4214'. Bit drld 409' in 43 hrs. Cond: 7-4-I. Magnaflux DC, change out DC. Now TIH.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

11/18/83 - Day 31 - Drlg @4409', drld 195' in 16½ hrs. MW 8.9, Vis 65, WL 6.8, pH 10. Surv 4369' 1°. FTIH w/Bit #6 (12¼" Hughes J22 S/N 686KK). Bit has drld 195' in 16½ hrs. WOB 50M, RPM 80, BGG 2-5, TG 5. IDC $573,638, TDC $66,504, CWC $640,142.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

11/19/83 - Day 32 - Drlg Kelvin @4659', drld 250' in 22½ hrs. MW 9.1, Vis 50, WL 6.6, pH 9.6. Surv ½° @4617'. Bit #6 has drld 445' in 39 hrs. WOB 50, RPM 80, BGG tr-2.
11/20/83 - Day 33 - Drlg Kelvin @4907', drld 248' in 21½ hrs. MW 9.1, Vis 51, WL 6.8, pH 10. Surv ½° @4742'. Bit #6 has drld 693' in 60½ hrs. WOB 45-50, RPM 65. BGG tr-1.
11/21/83 - Day 34 - Drlg Kelvin @4987', drld 80' in 16 hrs, MW 9.2, Vis 52, WL 6.4, pH 10.1. Surv 1° @4987'. TOH w/Bit #6 @4930', bit drld 716' in 58 hrs. Cond: 5-8-½". TIH w/Bit #7 (12¼" Reed HS51, S/N 890006). Bit has drld 57' in 13½ hrs. WOB 50, RPM 65. BGG 2-3, TG 4.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

11/22/83 - Day 35 - Drlg Kelvin @5312', drld 228' in 22 hrs, MW 9.1, Vis 56, WL 7.8, pH 10.3. Surv 3/4° @5110', 1° @5233'. Bit #7 has Drld 382' in 35½ hrs. WOB 50M, RPM 65, BGG 1-3 CORRECTION TO REPORT 11/21/83: Depth: 5084, drld 177' in 16 hrs.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
Pineview Field

11/23/83 - Day 36 - Drlg Kelvin @6536', drld 224' in 22½ hrs. MW 9.1, Vis 56, WL 7.4, pH 10.1. Surv ½° @5356', 3/4° @5480'. Bit #7 has drld 606' in 58 hrs. WOB 50, RPM 65, BGG 1-2.

UPRR 35-22
1234' FWL 2338' FNL, Sec. 35, T3N-R7E
Summit County, Utah Elev: 6641 GL

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
N. Pineview Field

11/1/83 - Day 14 - TD 2210', opening hole @2150', opened 241' in 20 hrs, MW 8.9, Vis 40, WL N/C, pH 9.6. TOH w/HO #3 @1929', HO opened 376' in 32½ hrs. TIH w/HO #4 17½" Grant S/N 25422. HO has opened 221' in 17½ hrs. WOB 25-30, RPM 110.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
N. Pineview Field

11/2/83 - Day 15 - TD 2210, cemtg 13 3/8" csg. MW 9, Vis 52, WL N/C, pH 9.7. Open 12¼" hole to 2210', C&C, TOH, TIH, C&C. TOH w/HO #4. HO opened 281' in 23½ hrs. RU csg crews, run 51 jts 13 3/8" 68# K55 ST&C, total length 2202.72'. RU Halliburton, now cemtg.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
N. Pineview Field

11/3/83 - Day 16 - TD 2210', NU BOPE. Cemtd 13 3/8" w/1500 sx lite + ½# Flocele + 3% CaCl followed by 500 sx Class H + ¼# Flocele +2% CaCl. Displace cemt w/full returns. Circ cemt to sfc, PD 8:05 AM 11/2/83. RD cemtrs, WOC. Cutoff conductor & 13 3/8", weld on WH & test. Now NU BOP's. 13 3/8" csg set @2202.20'.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
N. Pineview Field

11/4/83 - Day 17 - TD 2210, TIH, MW 8.8, Vis 46, WL N/C, pH 9.7. NU BOP, test all rams, valves, lines & manifold to 3000#. Test Hydril to 2000#. PU bit #2 (12¼" RBIR4 S/N BP 841). Now TIH. IDC $391,254, TDC $66,504, CWC $457,758.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
N. Pineview Field

11/5/83 - Day 18 - TD 2264', magnaflux DC's, drld 54' in 12 hrs, MW 8.8, Vis 44, WL 12.0, pH 10.2. FTIH, drld cemt & float shoe, drld to 2264'. TOH w/Bit #2, bit drld 54' in 12 hrs. Cond: 4-6-1/16". Now magnafluxing BHA.

11/6/83 - Day 19 - Drlg Frontier @2338', drld 74' in 14 hrs. MW 8.8, Vis 46, WL 9.2, pH 10.3. Surv 0° @2317', finish magnafluxing DC's. PU BHA, TIH w/Bit #3 (12¼" Hughes J11, S/N 385BA). Bit has drld 74' in 14 hrs, WOB 20-30M, RPM 50-85.

11/7/83 - Day 20 - TD 2473', drld 135' in 23 hrs, tripping for hole in pipe. MW 8.6, Vis 53, WL 10.4, pH 10.4. Surv ¼° @2395'. Bit #3 has drld 263' in 37 hrs, WOB 30-35M, RPM 110. BGG trace.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
N. Pineview Field

11/8/83 - Day 21 - TD 2652', drld 179' Kelvin in 19 hrs. TOH, MW 8.7, Vis 45, WL 9.8, pH 10.4. Surv 3/4° @2520', 3/4° @2612'. TOH, found hole in DP @880'. LD 1 jt DP, TIH, drill & survey. Lost pump pressure & torque. PU & lost 72M# wt, now TOH. Bit #3 has drld 442' in 46 hrs. WOB 40-45M, RPM 100-105, BGG trace-2.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
N. Pineview Field

11/9/83 - Day 22 - Drlg Kelvin @2713', drld 61' in 4½ hrs. MW 8.7, Vis 44, WL 10, pH 10.4. FTOH, jars broken 1' from btm. LD jars, PU fishing tools. TIH, engage fish, TOH, LD jars & fishing tools. Bit #3 drld 442' in 46 hrs, Cond: 7-4 in gauge. TIH w/Bit #4 (12¼" Smith F2 S/N EC 0849). Bit has drld 61' in 4½ hrs. WOB 45, RPM 65, BGG trace, TG 4-5.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
N. Pineview Field

11/10/83 - Day 23 - Drlg Kelvin @3114', drld 401' in 21 hrs. MW 8.8, Vis 43, WL 10.8, pH 10.2. Surv 0° @2706', 3/4° @2891, 3/4° @3077'. Bit #4 has drld 462' in 25½ hrs. WOB 45, RPM 80 BGG trace.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
N. Pineview Field

11/11/83 - Day 24 - Drlg Kelvin @3518', drld 404' in 21½ hrs. MW 8.9, Vis 45, WL 9.8, pH 9.9. Surv 3/4° @3265', ½° @3451'. Bit #4 has drld 866' in 47 hrs. WOB 40, RPM 80, BGG trace. IDC $493,617, TDC $66,504, CWC $560,124.

UPRR 35-22
1234' FWL 2338' FNL, Sec. 35, T3N-R7E
Summit County, Utah Elev: 6641 GL

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
N. Pineview Field

10/18/83 - Fin RURT. Mix spud mud, now PU bit & DC's. Prep to spud.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
N. Pineview Field

10/19/83 - Day 1 - Drlg @248', drld 161' in 10 hrs. MW 8.6, Vis 36, WL NC, pH 11.6. Surv 3/4° @143'. PU DC's, TIH w/Bit #1, 12¼" Hughes J11, S/N 384BA. Spudded @9:30 AM 10/18/83. Bit #1 has drld 161' in 10 hrs. WOB 5-10M, RPM 56.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
N. Pineview Field

10/20/83 - Day 2 - Drlg @523', drld 275' in 13½ hrs. MW 8.6, Vis 34, WL NC, pH 11.5. Surv 3/4° @416'. Bit #1 has drld 436' in 23½ hrs.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
N. Pineview Field

10/21/83 - Day 3 - Drlg @970', drld 447' in 17½ hrs. MW 8.7, Vis 45, WL N/C, pH 10.9, surv 1° @632', 3/4° @817'. CWC $121,922.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
N. Pineview Field

10/22/83 - Day 4 - Drlg @1389', Drld 419' in 21½ hrs, MW 8.9, Vis 49, WL NC, pH 10.6. Surv 3/4° @1096', ½° @1281'. Bit #1 has drld 1302' in 62½ hrs. WOB 25, RPM 110.

10/23/83 - Day 5 - Drlg Kelvin @1657', drld 268' in 21 hrs, MW 8.9, Vis 49, WL NC, pH 10.2. Surv 1° @1405', ½° @1497'. Bit #1 has drld 1570' in 83½ hrs. WOB 15-20M, RPM 110.

10/24/83 - Day 6 - Drlg Kelvin @1942', drld 285' in 21 hrs, Surv 0° @1714', ½° @1899'. Bit #1 has drld 1855' in 104½ hrs. WOB 20-25M, RPM 110.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
N. Pineview Field

10/25/83 - 7 - TD 2210', TOH for HO. Drld 266' in 18 hrs. MW 8.8, Vis 43, WL N/C, pH 9.1. Surv 3/4° @1961', ¼° @2085'. Bit #1 drld 2123' in 122½ hrs. WOB 25M, RPM 110.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
N. Pineview Field

10/26/83 - Day 8 - TD 2210', opening hole @420'. Opened 333' in 16 hrs. MW 8.8, Vis 46, WL N/C, pH 9.6. FTOH, LD BHA, TIH w/HO #1 (17½" Grant S/N 18441). Now opening hole. WOB 5-20M, RPM 90-110.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
N. Pineview Field

10/27/83 - Day 9 - TD 2210', opening 12¼" hole @740'. Opened 320' in 22½ hrs. HO #1 has opened 653' in 38½ hrs. WOB 15-20M, RPM 110.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
N. Pineview Field

10/28/83 - Day 10 - TD 2210', opening hole @969' opened 229' in 19 hrs, MW 8.7, Vis 40, WL N/C pH 9.5. TOH w/HO #1 @866', HO opened 779' in 51½ hrs. Ran HO #2 17½" Grant S/N 26074, HO has opened 103' in 6 hrs. WOB 15-25, RPM 90-110. CWC $195,894.

UPRR 35-22
13000 Nugget-Dev
Summit County, UT
N. Pineview Field

10/29/83 - Day 11 - TD 2210', opening hole @1372', opened 403' in 23½ hrs. MW 8.7, Vis 41, WL N/C, pH 9.7. HO #2 has opened 506' in 29½ hrs. WOB 20-30M, RPM 110.

10/30/83 - Day 12 - TD 2210', opening hole @1690', opened 318' in 20 hrs. MW 8.9, Vis 58, WL N/C, ph 10.1. TOH w/HO #2 @1553, HO opened 687' in 42½ hrs. Ran HO #3 (17½" Grant S/N 19144). HO has opened 137' in 6½ hrs. WOB 20-30M, RPM 110.

10/31/83 - Day 13 - TD 2210', opening 12¼" hole @1909', opened 219' in 23½ hrs, MW 8.9, Vis 38, WL N/C, pH 9.7. HO #3 has opened 356' in 30 hrs. WOB 20-30M, RPM 110.

UPRR 35-22
1234' FWL 2338' FNL, Sec. 35, T3N-R7E
Summit County, Utah Elev: 6641 GL

UPRR 35-22 13000 Nugget Summit County, UT Pineview Field	9/30/83 - First Report - Staked location: 1234' FWL & 2338' FNL Sec. 35, T3N-R7E, Summit County, Utah. Btm hole location to be in SE¼NW¼ Sec. 35, GL 6641'. Building location & road.
UPRR 35-22 13000 Nugget-Dev Summit County, UT North Pineview Field	10/1-3/83 - Building road and location.
UPRR 35-22 13000 Nugget-Dev Summit County, UT North Pineview Field	10/4/83 - Building road & location.
UPRR 35-22 13000 Nugget-Dev. Summit Co., Utah N. Pineview Field	10-5-83: Drld location & road.
UPRR 35-22 13000 Nugget-Dev Summit County, UT N. Pineview Field	10/6/83 - Graveling road & location.
UPRR 35-22 13000 Nugget-Dev Summit County, UT N. Pineview Field	10/7/83 - Building road & location.
UPRR 35-22 13000 Nugget-Dev Summit County, UT N. Pineview Field	10/8-10/83 - Building & graveling road & location.
UPRR 35-22 13000 Nugget-Dev Summit County, UT N. Pineview Field	10/11/83 - Finish graveling location.
UPRR 35-22 13000 Nugget-Dev. Summit Co., UT N. Pineview Field	10-12-83: Drlg conductor hole.
UPRR 35-22 13000 Nugget-Dev Summit County, UT N. Pineview Field	10/13/83 - Set 60' 30" conductor. MIRT.
UPRR 35-22 13000 Nugget-Dev Summit County, UT N. Pineview Field	10/14/83 - Drld rathole & mousehole, MIRU RT.
UPRR 35-22 13000 Nugget-Dev Summit County, UT N. Pineview Field	10/15-17/83 - RU Parker Drlg Co. Rig #183. Will spud today.

UPRR 35-22

Talked to John Dolan 3/28/84
said he would set plugs
as follows:

11900'-12100' Tp Nugget 11965'

10030' — 10230'

9200'-9300' Tp Preuss

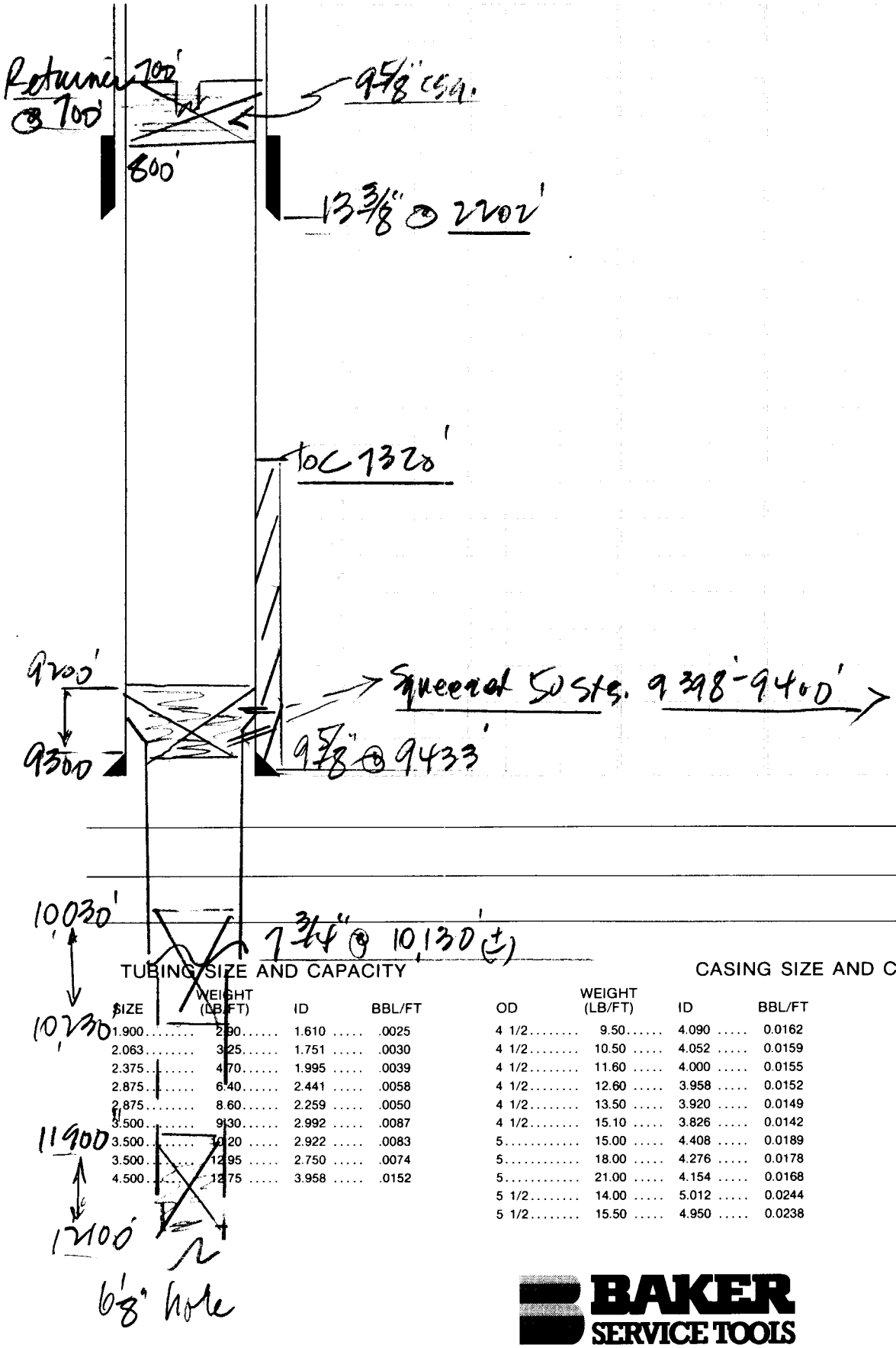
700' — 800' Relayer @ 700'

leaving all pipe in hole

DRH

THINK IT OUT! WRITE IT OUT!

DATE 3/28/84 WELL NO. 35-22 LEASE _____ FIELD _____



TUBING SIZE AND CAPACITY

SIZE	WEIGHT (LB/FT)	ID	BBL/FT
1.900	2.90	1.610	.0025
2.063	3.25	1.751	.0030
2.375	4.70	1.995	.0039
2.875	6.40	2.441	.0058
2.875	8.60	2.259	.0050
3.500	9.30	2.992	.0087
3.500	10.20	2.922	.0083
3.500	12.95	2.750	.0074
4.500	12.75	3.958	.0152

CASING SIZE AND CAPACITY

OD	WEIGHT (LB/FT)	ID	BBL/FT
4 1/2	9.50	4.090	0.0162
4 1/2	10.50	4.052	0.0159
4 1/2	11.60	4.000	0.0155
4 1/2	12.60	3.958	0.0152
4 1/2	13.50	3.920	0.0149
4 1/2	15.10	3.826	0.0142
5	15.00	4.408	0.0189
5	18.00	4.276	0.0178
5	21.00	4.154	0.0168
5 1/2	14.00	5.012	0.0244
5 1/2	15.50	4.950	0.0238

OD	WEIGHT (LB/FT)	ID	BBL/FT
5 1/2	17.00	4.892	0.0232
5 1/2	20.00	4.778	0.0222
5 1/2	23.00	4.670	0.0212
7	17.00	6.538	0.0415
7	20.00	6.456	0.0405
7	23.00	6.366	0.0394
7	26.00	6.276	0.0383
7	32.00	6.094	0.0361
7	35.00	6.004	0.0350
7	38.00	5.920	0.0340

BAKER SERVICE TOOLS
A DIVISION OF BAKER INTERNATIONAL CORPORATION

FORMCO #WS-20-27 (REV. 1/79)

Form OGC-1b

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

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

5. LEASE DESIGNATION AND SERIAL NO.: FEE

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.)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1. OIL WELL [ ] GAS WELL [X] OTHER

7. UNIT AGREEMENT NAME:

2. NAME OF OPERATOR: American Quasar Petroleum Co.

8. FARM OR LEASE NAME: UPRR

3. ADDRESS OF OPERATOR: 707 Two United Bank Center 1700 Broadway Denver, CO 80290

9. WELL NO.: 35-22

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 1234' FWL, 2338' FNL (SW¼ NW¼)

10. FIELD AND POOL, OR WILDCAT: Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 35, T3N-R7E

14. PERMIT NO.: 43-043-30243

15. ELEVATIONS (Show whether DF, RT, GR, etc.): GR 6441' KB 6668'

12. COUNTY OR PARISH: Summit

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	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[XX] ✓	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[XX]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other)			
(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.)*

Set the following cemt plugs:

40 sx 11900-12100'
40 sx 10030-10230'
25 sx 9200-9300'
40 sx 700-800'
10 sx Surface

Installed DHM. Received oral approval to P&A 3/28/84 10:55 AM from Gil Hunt.

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 4/3/84
BY: [signature]

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

SIGNED [signature] TITLE Division Production Manager DATE 4/2/84

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Form OGC-3

SUBMIT IN DUPLICATE *
(See other instructions on reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL [ ] GAS WELL [ ] DRY [X] Other

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

2. NAME OF OPERATOR: American Quasar Petroleum Co.

3. ADDRESS OF OPERATOR: 707 Two United Bank Center 1700 Broadway Denver, CO 80290

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface 1234' FWL, 2338' FNL (~~SW¼~~ SW NW¼)
At top prod. interval reported below
At total depth 1941' FWL, 2070' FNL

5. LEASE DESIGNATION AND SERIAL NO.: FEE
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT AGREEMENT NAME:
8. FARM OR LEASE NAME: UPRR
9. WELL NO.: 35-22
10. FIELD AND POOL, OR WILDCAT: Wildcat
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 35, T3N-R7E
12. COUNTY OR PARISH: Summit
13. STATE: Utah

14. PERMIT NO.: 43-043-30243 DATE ISSUED: 10/4/83

15. DATE SPUDDED: 10/18/83
16. DATE T.D. REACHED: 3/26/84
17. DATE COMPL. (*Ready to prod.*): P&A
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*: GR 6441' KB 6668'
19. ELEV. CASINGHEAD:
20. TOTAL DEPTH, MD & TVD: 12420'
21. PLUG, BACK T.D., MD & TVD: --
22. IF MULTIPLE COMPL., HOW MANY*: --
23. INTERVALS DRILLED BY: → ROTARY TOOLS: 0-TD CABLE TOOLS: --
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: --
25. WAS DIRECTIONAL SURVEY MADE: Yes
26. TYPE ELECTRIC AND OTHER LOGS RUN: DILL-GR, BHC-GR, LDT/CNL, HDT
27. WAS WELL CORED: Yes

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
30"	Conductor	60'	--	--	--
13 3/8"	68#	2202'	17 ½"	2000 sx	None
9 5/8"	43.5 & 40#	9433'	12 ¼"	1240 sx	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
7 3/4	9235	10130	400	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
--	--	--

31. PERFORATION RECORD (*Interval, size and number*)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
11900-12100'	40 sx
10030-10230'	40 sx
9200-9300'	25 sx
700-800'	40 sx
Surface	10 sx

33.* PRODUCTION

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

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:

RECEIVED
APR 2 1984
DIVISION OF OIL, GAS & MINING

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

SIGNED [signature] TITLE Division Production Manager DATE 4/2/84

*(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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Nugget	12040	12360	DST #1 Open 150 min, SI 2½ hrs, rec 4000' WC & 722' SGCM, IHP 5415, IFP 1478, FFP 1975, FHP 5301
Nugget	12370	12420	DST #2 Open 150 min, SI 130 min, rec 3000' WC & 1136' SW, IHP 5677, IFP 1208, FFP 1669, ISIP 4732, FHP 5490

38. GEOLOGIC MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
Kelvin	Surface	
Stump	7872	
Preuss	8182	
Twin Creek	9969	
Nugget	11965	
TD	12420	

STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

May 22, 1984

American Quasar Petroleum Co.
707 Two United Bank Center
1700 Broadway
Denver, Colorado 80290

RE: Well No. UPRR 35-22
API #43-043-30243
2338' FNL, 1234' FWL SW/NW
Sec. 35, T 3N, R. 7E.
Summit County, Utah

Gentlemen:

According to our records, a "Well Completion Report" filed with this office April 2, 1984, on the above referred to well, indicates the following electric logs were run: DILL-GR, GNC-GR, LDT/CNL, and HDT. As of todays date, this office has not received these logs.

Rule C-5, General Rules and Regulations and Rules of Practice and Procedure, requires that a well log shall be filed with the Commission together with a copy of the electric and radioactivity logs.

We will be happy to acknowledge receipt of your response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgement should avoid unnecessary mailing of a second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

Claudia Jones

Claudia Jones
Well Records Specialist

CJ/cj

cc: Dianne R. Nielson, DOGM
Ronald J. Firth, DOGM

89260

LYNES

TECHNICAL SERVICES, Security Life Bldg. • Suite 1350 • 1616 Glenarm • Denver, Colorado 80202 • Phone: (303) 573-8027

Operator: American Quasar Petroleum Co.
Address: 707 United Bank Tower, 1700 Boardway Denver, Co. 80290
Well Name and No.: U.P.R.R. #35-22
Ticket No.: 02362
Date: 3-27-84
DST No.: 2
No. Final Copies: 17

Contractor	Parker Drilling	Top Choke	1"
Rig No.	183	Bottom Choke	3/4"
Spot	N/W/4	Size Hole	6 1/8"
Sec.	35	Size Rat Hole	--
Twp.	3 N	Size & Wt. D. P.	4½" 19.50 IF
Rng.	7 E	Size Wt. Pipe	3½" 15.50 IF
Field	Pineview	I. D. of D. C.	2¼"
County	Summit	Length of D. C.	699.71 Ft.
State	Utah	Total Depth	12420 Ft.
Elevation	6668 Ft.	Interval Tested	12370-12420 Ft.
Formation	Nugget	Type of Test	Bottom Hole Conventional

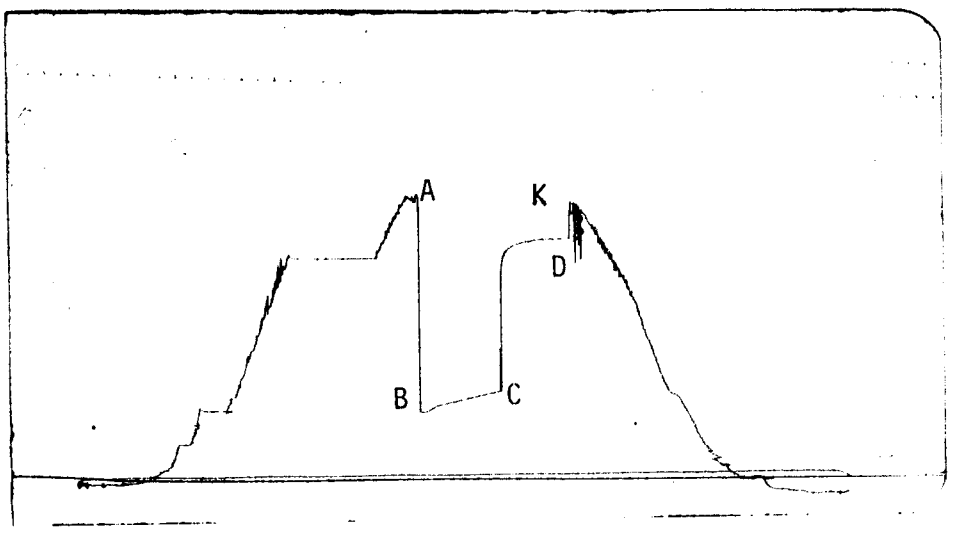
Flow No. 1	150	Min.
Shut-in No. 1	130	Min.
Flow No. 2	--	Min.
Shut-in No. 2	--	Min.
Flow No. 3	--	Min.
Shut-in No. 3	--	Min.

Bottom Hole Temp.	220°F
Mud Weight	8.7
Gravity	--
Viscosity	60

Tool opened @ 6:40 AM

Outside Recorder

PRD Make Kuster-3
No. 22987 Cap. 9100 @12378'



Press		Corrected
Initial Hydrostatic	A	5674
Final Hydrostatic	K	5602
Initial Flow	B	1400
Final Initial Flow	C	1811
Initial Shut-in	D	4918
Second Initial Flow	E	--
Second Final Flow	F	--
Second Shut-in	G	--
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--

Lynes Dist.: Casper, Wy.
Our Tester: Stormy Hayes
Witnessed By: Neal Walker

Did Well Flow – Gas -- Oil -- Water --

RECOVERY IN PIPE:

Ran 3000' of water cushion

4136 ft. Total Fluid = 26.1 bbls.
3000 ft. Water cushion = 19.8 bbls.
1136 ft. Mud and salt water, slightly gas cut = 6.3 bbls.

Blow Description:

1st Flow: Opened tool with ½" blow, increasing to 10" in 120 minutes, decreased to 7" in 140 minutes remaining throughout the flow.

Comments: The test results indicate a mechanically successful test. The flow and shut-in curves suggest average permeability within the zone tested.

This test consists of one 150 minute flow and one 130 minute shut-in.

Form 1

LY-230

AMERICAN QUASAR
TEST#: 2
U.P.R.R. #35-22
12370 - 12420ft.

Location: 35-3N-7E
Test Type: BOTTOM HOLE CONVENTIONAL
Formation: NUGGET

Recorder Number: 1665
Recorder Depth: 12400 ft.

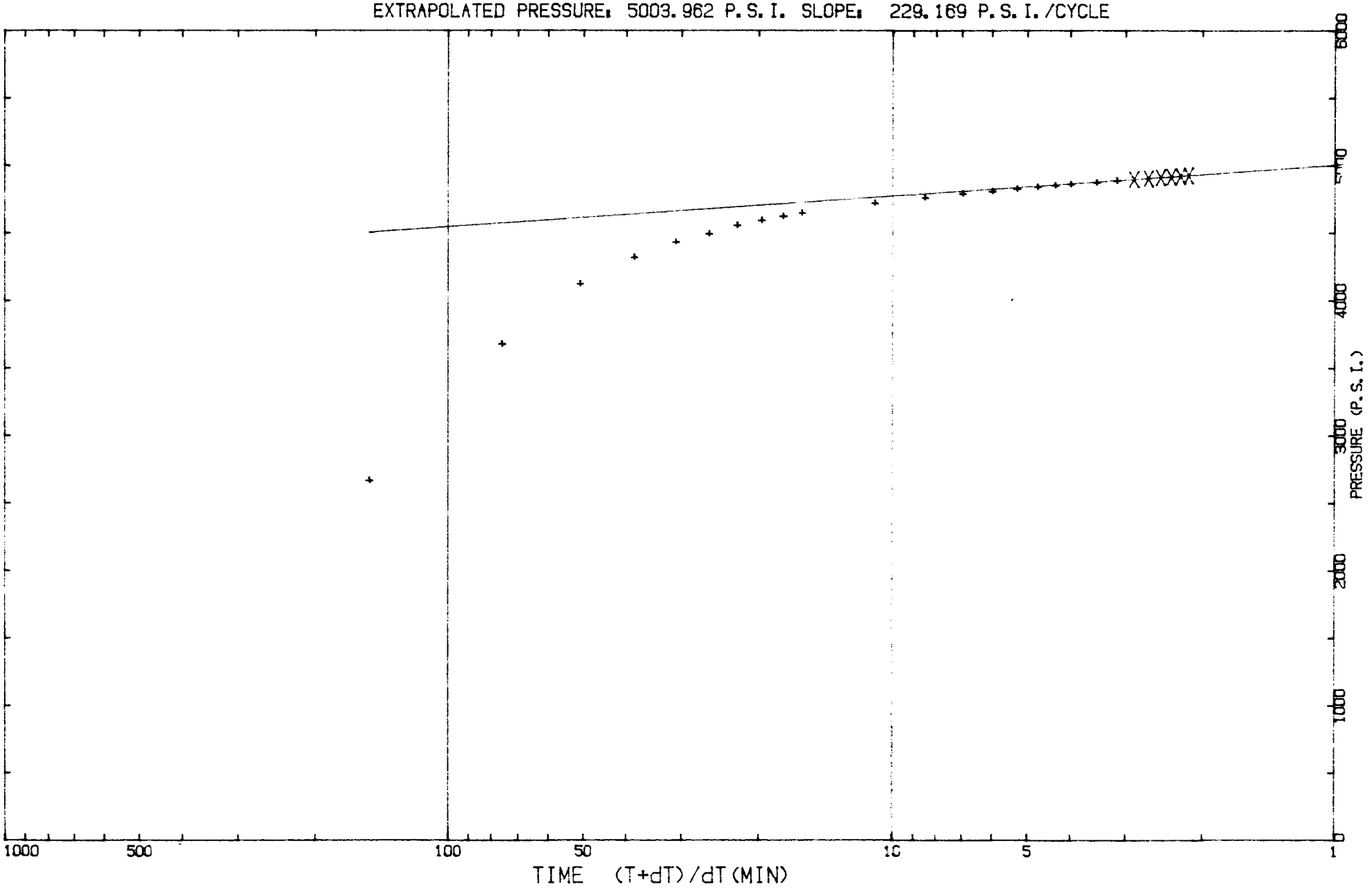
TIME-PRESSURE LISTING

CHART LABEL	COMMENTS	TIME MIN.	DELTA P psi	PRESSURE psi	(T+dt)/dt ABSCISSA	PRESSURE SQUARED psi^2/10^6
A	INITIAL HYDROSTATIC	0.00		5648.0		
B	START OF 1st FLOW	0.00		1310.0		
C	END OF 1st FLOW	150.00		1815.0		
	1st SHUTIN PERIOD	0.00	0.0	1815.0	0.0000	
		1.00	853.0	2668.0	151.0000	
		2.00	1863.0	3678.0	76.0000	
		3.00	2308.0	4123.0	51.0000	
		4.00	2505.0	4320.0	38.5000	
		5.00	2618.0	4433.0	31.0000	
		6.00	2680.0	4495.0	26.0000	
		7.00	2743.0	4558.0	22.4286	
		8.00	2780.0	4595.0	19.7500	
		9.00	2810.0	4625.0	17.6667	
		10.00	2835.0	4650.0	16.0000	
		15.00	2908.0	4723.0	11.0000	
		20.00	2948.0	4763.0	8.5000	
		25.00	2978.0	4793.0	7.0000	
		30.00	2996.0	4811.0	6.0000	
		35.00	3015.0	4830.0	5.2857	
		40.00	3028.0	4843.0	4.7500	
		45.00	3038.0	4853.0	4.3333	
		50.00	3048.0	4863.0	4.0000	
		60.00	3063.0	4878.0	3.5000	
		70.00	3076.0	4891.0	3.1429	
		80.00	3085.0	4900.0	2.8750*	
		90.00	3090.0	4905.0	2.6667*	
		100.00	3098.0	4913.0	2.5000*	
		110.00	3103.0	4918.0	2.3636*	
		120.00	3108.0	4923.0	2.2500*	
D	END OF 1st SHUTIN	130.00	3113.0	4928.0	2.1538*	
Q	FINAL HYDROSTATIC	0.00		5600.0		

* VALUES USED FOR EXTRAPOLATIONS

1st SHUT-IN:
HORNER EXTRAPOLATION 5003.96 PSI
HORNER SLOPE 229.17 psi/cycle

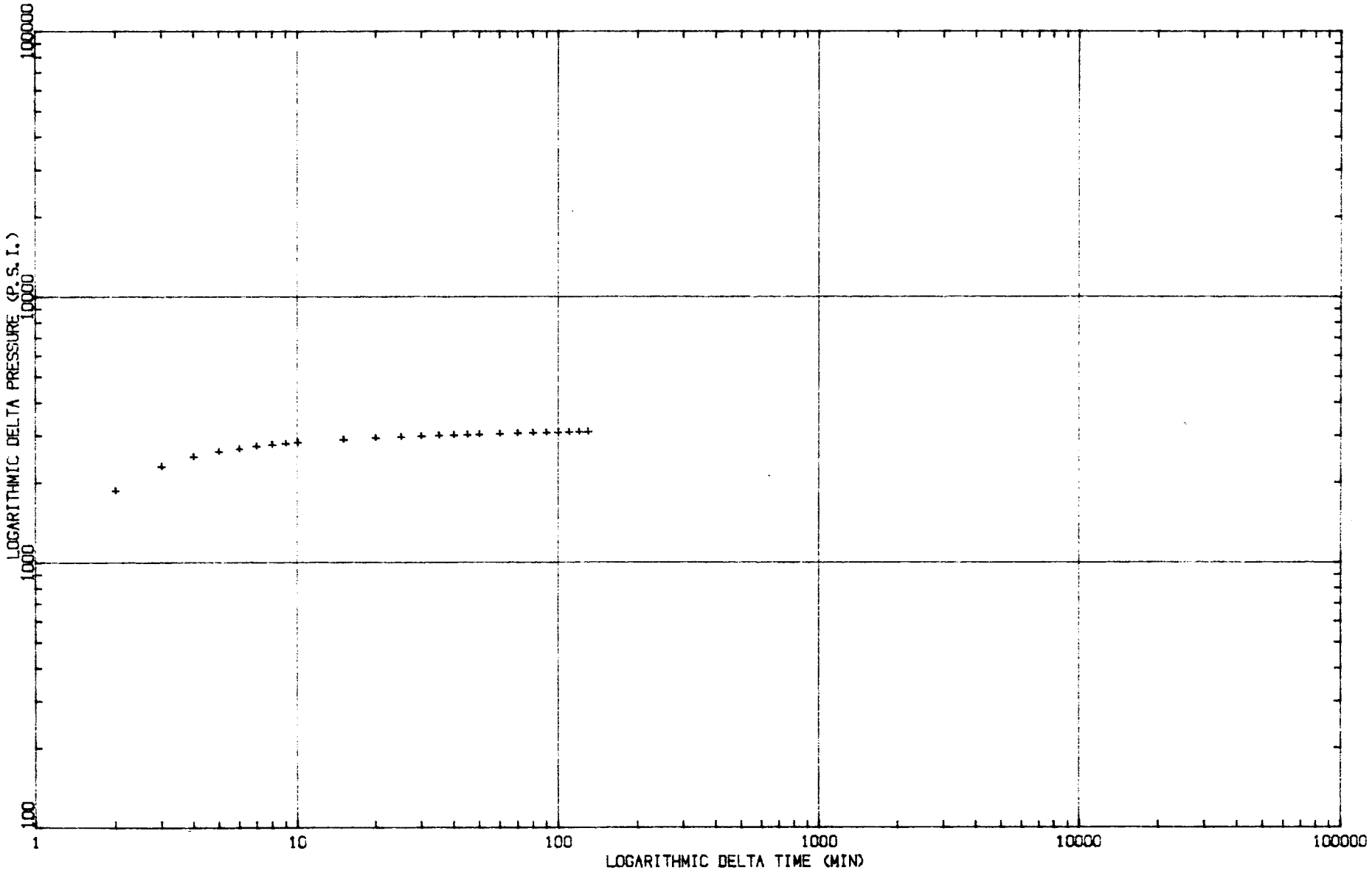
OPERATOR: AMERICAN QUASAR
WELL NAME: U. P. R. R. #35-22
LOCATION: 35-3N-7E DST #: 2
FIRST SHUT-IN
RECORDER: 1665 DEPTH: 12400 ft.
EXTRAPOLATED PRESSURE: 5003.962 P.S.I. SLOPE: 229.169 P.S.I./CYCLE



OPERATOR: AMERICAN QUASAR
WELL NAME: U. P. R. R. #35-22
LOCATION: 35-3N-7E
FIRST SHUT-IN
RECORDER: 1665

DST #: 2

DEPTH: 12400 ft.



..ERICAN QUASAR
DST#: 2
U.P.R.R. #35-22
12370 - 12420ft.

Location: 35-3N-7E
Test Type: BOTTOM HOLE CONVENTIONAL
Formation: NUGGET

Recorder Number: 1665
Recorder Depth: 12400

SAMPLE DATA
****

SAMPLE CHAMBER:
****

Capacity of sample chamber	2100	cc
Volume of sample.....	2200	cc
Pressure in sampler.....	580	psig
Where sampler was drained...	on location	

Sampler contained:

Water	2200	cc	salt water
Gas	.75	cu-ft	

RESISTIVITY DATA:
****

Top.....:	700 PPM NACL
Middle.....:	13 000 PPM NACL
Bottom.....:	28 000 PPM NACL
Sampler.....:	30 000 PPM NACL
Mud pit.....:	6800 PPM NACL
Make-up Water..:	525 PPM NACL

LYNES INC.

DMR—312 DIGITAL MEMORY RECORDER NO. 1665 CAP 10000 AT 12400

OPERATOR American Quazar Petroleum WELL NAME U.P.R.R. #35-22 TICKET NO. 02362 DST NO 2

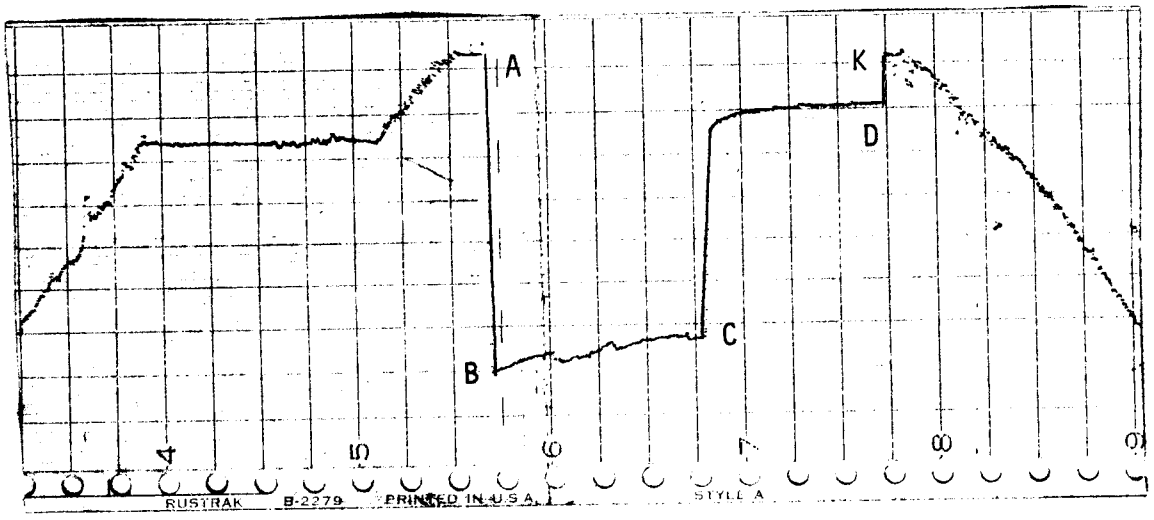
06:03:30 T	196.937	
	5675.00	
	5662.50	
	5657.50	
	5652.50	
	5650.00	
	5647.50	
	5645.00	
06:01:30 T	200.625	
	5792.50	
	5647.50	
	5652.50	
Initial Hydro.	5647.50	
	5645.00	
	5642.50	
	5640.00	
06:09:30 T	201.687	
	5785.00	
	5807.50	
Start 1st flow	1310.00	
	1312.50	
	1317.50	
	1327.50	
	1335.00	
06:47:30 T	206.187	
	1350.00	
	1357.50	
	1367.50	
	1372.50	
	1382.50	
	1390.00	
	1395.00	
06:55:30 T	209.875	
	1412.50	
	1420.00	
	1425.00	
	1432.50	
	1440.00	
	1447.50	
	1455.00	
07:03:30 T	211.875	
	1470.00	
	1475.00	
	1482.50	
	1487.50	
	1495.00	
	1502.50	
	1512.50	
07:11:30 T	213.125	
	1522.50	
	1522.50	
	1525.00	
	1527.50	
	1532.50	
	1535.00	
	1537.50	
07:19:30 T	214.000	
	1542.50	
	1542.50	
	1547.50	
	1550.00	
	1552.50	
	1555.00	
	1557.50	
07:27:30 T	214.750	
	1562.50	
	1565.00	
	1567.50	
	1572.50	
	1575.00	
	1577.50	
	1580.00	
07:35:30 T	215.437	
	1582.50	
	1587.50	
	1587.50	
	1592.50	
	1595.00	
	1597.50	
	1600.00	
07:43:30 T	215.937	
	1605.00	
	1607.50	
	1610.00	
	1612.50	
	1615.00	
	1617.50	
	1620.00	
07:51:30 T	216.437	
	1622.50	
	1627.50	
	1630.00	
	1632.50	
	1632.50	
	1635.00	
	1637.50	
07:59:30 T	216.937	
	1645.00	
	1647.50	
	1647.50	
	1652.50	
	1652.50	
	1657.50	
	1657.50	
08:07:30 T	217.375	
	1662.50	
	1665.00	
	1667.50	
	1672.50	
	1672.50	
	1675.00	
	1677.50	
08:15:30 T	217.750	
	1682.50	
	1682.50	
	1687.50	
	1690.00	
	1692.50	
	1695.00	
	1697.50	
08:23:30 T	218.125	
	1702.50	
	1702.50	
	1705.00	
	1707.50	
	1712.50	
	1712.50	
	1715.00	
08:31:30 T	218.437	
	1720.00	
	1722.50	
	1727.50	
	1727.50	
	1730.00	
	1732.50	
	1735.00	
08:39:30 T	218.625	
	1740.00	
	1742.50	
	1745.00	
	1747.50	
	1750.00	
	1750.00	
	1752.50	
08:47:30 T	218.875	
	1760.00	
	1760.00	
	1762.50	
	1762.50	
	1767.50	
	1770.00	
	1772.50	
08:55:30 T	219.125	
	1777.50	
	1777.50	
	1782.50	
	1782.50	
	1787.50	
	1787.50	
	1790.00	
09:03:30 T	219.375	
	1795.00	
	1797.50	
	1797.50	
	1800.00	
	1802.50	
	1805.00	
	1807.50	
09:11:30 T	219.687	
	1812.50	
End 1st flow	1815.00	
	2667.50	
	3677.50	
	4122.50	
	4320.00	
	4432.50	
09:19:30 T	220.250	
	4557.50	
	4595.00	
	4625.00	
	4650.00	
	4667.50	
	4685.00	
	4700.00	
09:27:30 T	219.625	
	4722.50	
	4732.50	
	4742.50	
	4750.00	
	4757.50	
	4762.50	
	4772.50	
09:35:30 T	218.812	
	4782.50	
	4787.50	
	4792.50	
	4797.50	
	4802.50	
	4807.50	
	4807.50	
09:43:30 T	218.125	
	4815.00	
	4820.00	
	4822.50	
	4825.00	
	4830.00	
	4832.50	
	4835.00	
09:51:30 T	217.500	
	4842.50	
	4842.50	
	4845.00	
	4847.50	
	4850.00	
	4852.50	
	4852.50	
09:59:30 T	217.000	
	4857.50	
	4857.50	
	4862.50	
	4862.50	
	4865.00	
	4865.00	
	4867.50	
10:07:30 T	216.562	
	4870.00	
	4872.50	
	4875.00	
	4875.00	
	4877.50	
	4877.50	
	4880.00	
10:15:30 T	216.250	
	4882.50	
	4882.50	
	4885.00	
	4885.00	
	4885.00	
	4887.50	
	4890.00	
10:23:30 T	215.937	
	4892.50	
	4892.50	
	4892.50	
	4892.50	
	4895.00	
	4897.50	
	4895.00	
10:31:30 T	215.687	
	4897.50	
	4900.00	
	4900.00	
	4897.50	
	4900.00	
	4902.50	
	4902.50	
10:39:30 T	215.562	
	4905.00	
	4905.00	
	4905.00	
	4905.00	
	4907.50	
	4907.50	
	4907.50	
10:47:30 T	215.312	
	4907.50	
	4910.00	
	4910.00	
	4912.50	
	4912.50	
	4912.50	
	4912.50	
10:55:30 T	215.187	
	4915.00	
	4915.00	
	4915.00	
	4917.50	
	4917.50	
	4917.50	
	4917.50	
11:03:30 T	215.062	
	4917.50	
	4920.00	
	4917.50	
	4920.00	
	4922.50	
	4922.50	
	4920.00	
11:11:30 T	215.000	
	4922.50	
	4922.50	
	4922.50	
	4922.50	
	4922.50	
	4922.50	
	4922.50	
11:19:30 T	214.875	
	4925.00	
	4927.50	
	4927.50	
End 1st shut-in	4927.50	
	5590.00	
Final Hydro.	5600.00	
	5585.00	
11:27:30 T	214.312	
	5572.50	
	5575.00	
	5547.50	
	5257.50	
	5437.50	
	5575.00	
	5585.00	

1ERICAN QUASAR
DST#: 2
U.P.R.R. #35-22
12370 - 12420ft.

PRESSURE RECORDER NUMBER : 1665

DEPTH : 12400.00ft. LOCATION : OUTSIDE
TYPE : DMR CAPACITY : 10000.00psi

	PRESSURE psi
A)Initial Hydro	: 5648.0
B)1st Flow Start	: 1310.0
C)1st Flow End	: 1815.0
D)END 1st Shutin	: 4928.0
Q)Final Hydro.	: 5600.0



TEST TIMES(MIN)
1st FLOW :150
SHUTIN:130

LYNES

TECHNICAL SERVICES, Security Life Bldg. • Suite 1350 • 1616 Glenarm • Denver, Colorado 80202 • Phone: (303) 573-8027

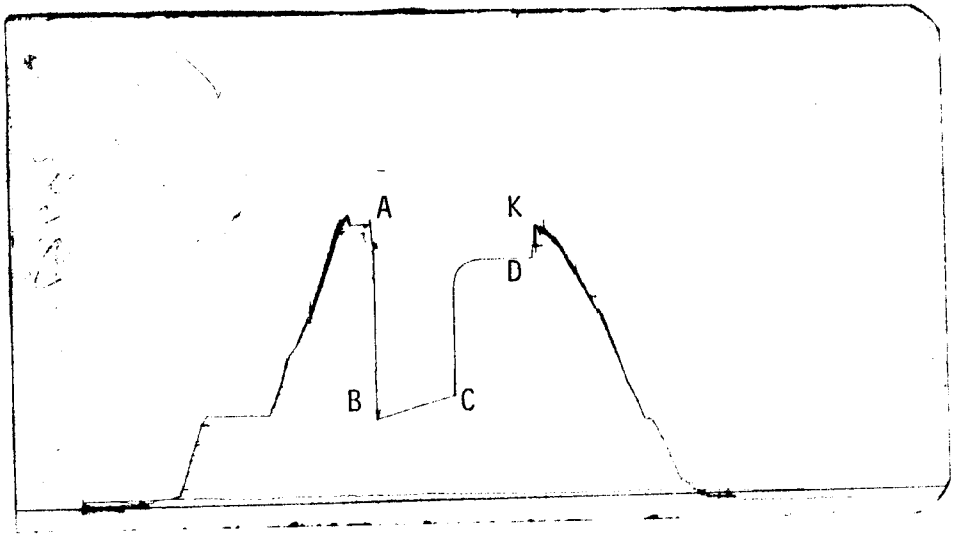
Operator: American Quasar
Address: 707 United Bank Tower, 1700 Broadway, Denver, Co. 80290
Well Name and No.: U.P.R.R. #35-22
Ticket No.: 02361
Date: 3-24-84
DST No. 1
No. Final Copies 17

Contractor	Parker Drilling	Top Choke	1"	Flow No. 1	150 Min.
Rig No.	183	Bottom Choke	1"	Shut-in No. 1	150 Min.
Spot	N/W/4	Size Hole	6 1/8"	Flow No. 2	-- Min.
Sec.	35	Size Rat Hole	--	Shut-in No. 2	-- Min.
Twp.	3 N	Size & Wt. D. P.	4½" (19.90) & 3½"	Flow No. 3	-- Min.
Rng.	7 E	Size Wt. Pipe	-- (13.30)	Shut-in No. 3	-- Min.
Field	Pineview	I. D. of D. C.	2¼"		
County	Summit	Length of D. C.	440.68 Ft.		
State	Utah	Total Depth	12,360 Ft.	Bottom Hole Temp.	204°F
Elevation	6668 Ft.	Interval Tested	12040-12360 Ft.	Mud Weight	8.8
Formation	Nugget	Type of Test	Bottom Hole Conventional	Gravity	--
				Viscosity	84
				Tool opened @	6:31 AM

Outside Recorder

PRD Make Kuster-3
No. 22987 Cap. 9100 @ 12050'

Press		Corrected
Initial Hydrostatic	A	5513
Final Hydrostatic	K	5385
Initial Flow	B	1631
Final Initial Flow	C	2054
Initial Shut-in	D	4781
Second Initial Flow	E	--
Second Final Flow	F	--
Second Shut-in	G	--
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--



Lynes Dist.: Casper, Wy.
Our Tester: Stormy Hayes
Witnessed By: Neal Walker

Did Well Flow – Gas NO Oil NO Water NO

RECOVERY IN PIPE:

Ran 4000' of water cushion

4722 ft. Total Fluid = 62 bbls.
4000 ft. Water cushion = 56.8 bbls.
722 ft. Gas cut mud = 6.16 bbls.

Blow Description: Opened tool with a weak blow of ½" increasing to 10" underwater blow in 60 minutes, decreased to ½" at 140 minutes, 9" at 150 minutes.

Comments: This test consists of one flow and one shut-in only. The test results indicate a mechanically successful test. the flow and shut-in curves suggest average permeability within the zone tested. The shut-in curves stabilized in 110 minutes at 4833 psi therefore no extrapolations were performed.

AMERICAN QUASAR
DST#: 1
U.P.R.R. #35-22
12040 - 12360ft.

Location: 35-3N-7E
Test Type: BOTTOM HOLE CONVENTIONAL
Formation: NUGGET

Recorder Number: 1665
Recorder Depth: 12070 ft.

TIME-PRESSURE LISTING

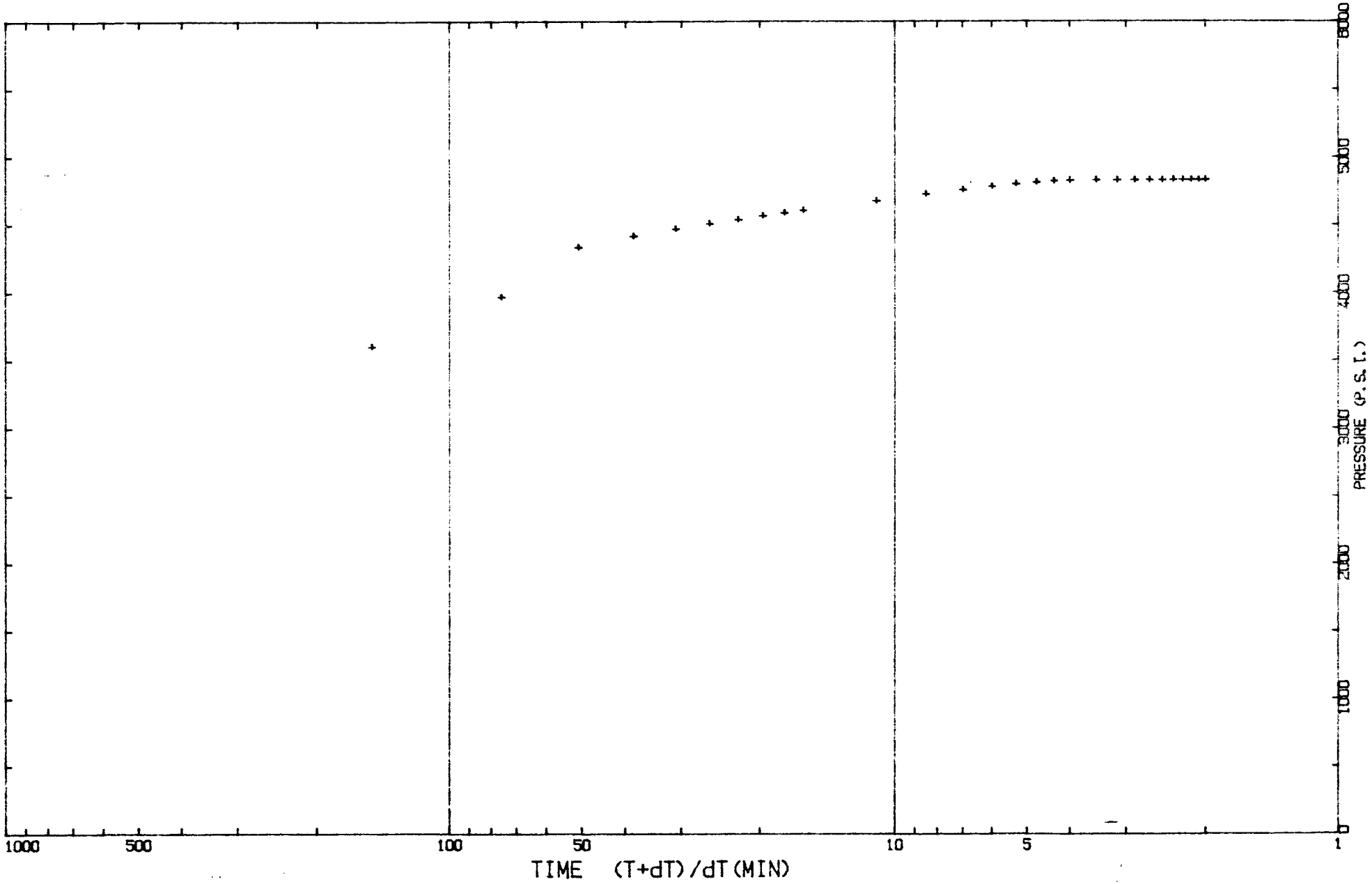
CHART LABEL	COMMENTS	TIME MIN.	DELTA P psi	PRESSURE psi	(T+dt)/dt ABSCISSA	PRESSURE SQUARED psi^2/10^6
A	INITIAL HYDROSTATIC	0.00		5523.0		
B	START OF 1st FLOW	0.00		1658.0		
C	END OF 1st FLOW	150.00		2118.0		
	1st SHUTIN PERIOD	0.00	0.0	2118.0	0.0000	
		1.00	1485.0	3603.0	151.0000	
		2.00	1851.0	3969.0	76.0000	
		3.00	2217.0	4335.0	51.0000	
		4.00	2300.0	4418.0	38.5000	
		5.00	2352.0	4470.0	31.0000	
		6.00	2392.0	4510.0	26.0000	
		7.00	2422.0	4540.0	22.4286	
		8.00	2450.0	4568.0	19.7500	
		9.00	2470.0	4588.0	17.6667	
		10.00	2490.0	4608.0	16.0000	
		15.00	2560.0	4678.0	11.0000	
		20.00	2610.0	4728.0	8.5000	
		25.00	2642.0	4760.0	7.0000	
		30.00	2665.0	4783.0	6.0000	
		35.00	2685.0	4803.0	5.2857	
		40.00	2697.0	4815.0	4.7500	
		45.00	2705.0	4823.0	4.3333	
		50.00	2710.0	4828.0	4.0000	
		60.00	2712.0	4830.0	3.5000	
		70.00	2712.0	4830.0	3.1429	
		80.00	2712.0	4830.0	2.8750	
		90.00	2712.0	4830.0	2.6667	
		100.00	2712.0	4830.0	2.5000	
		110.00	2715.0	4833.0	2.3636	
		120.00	2715.0	4833.0	2.2500	
		130.00	2715.0	4833.0	2.1538	
		140.00	2715.0	4833.0	2.0714	
D	END OF 1st SHUTIN	150.00	2715.0	4833.0	2.0000	
Q	FINAL HYDROSTATIC	0.00		5503.0		

* VALUES USED FOR EXTRAPOLATIONS

OPERATOR: AMERICAN QUASAR
WELL NAME: U.P.R.R. #35-22
LOCATION: 35-3N-7E
FIRST SHUT-IN
RECORDER: 1665

DST #: 1

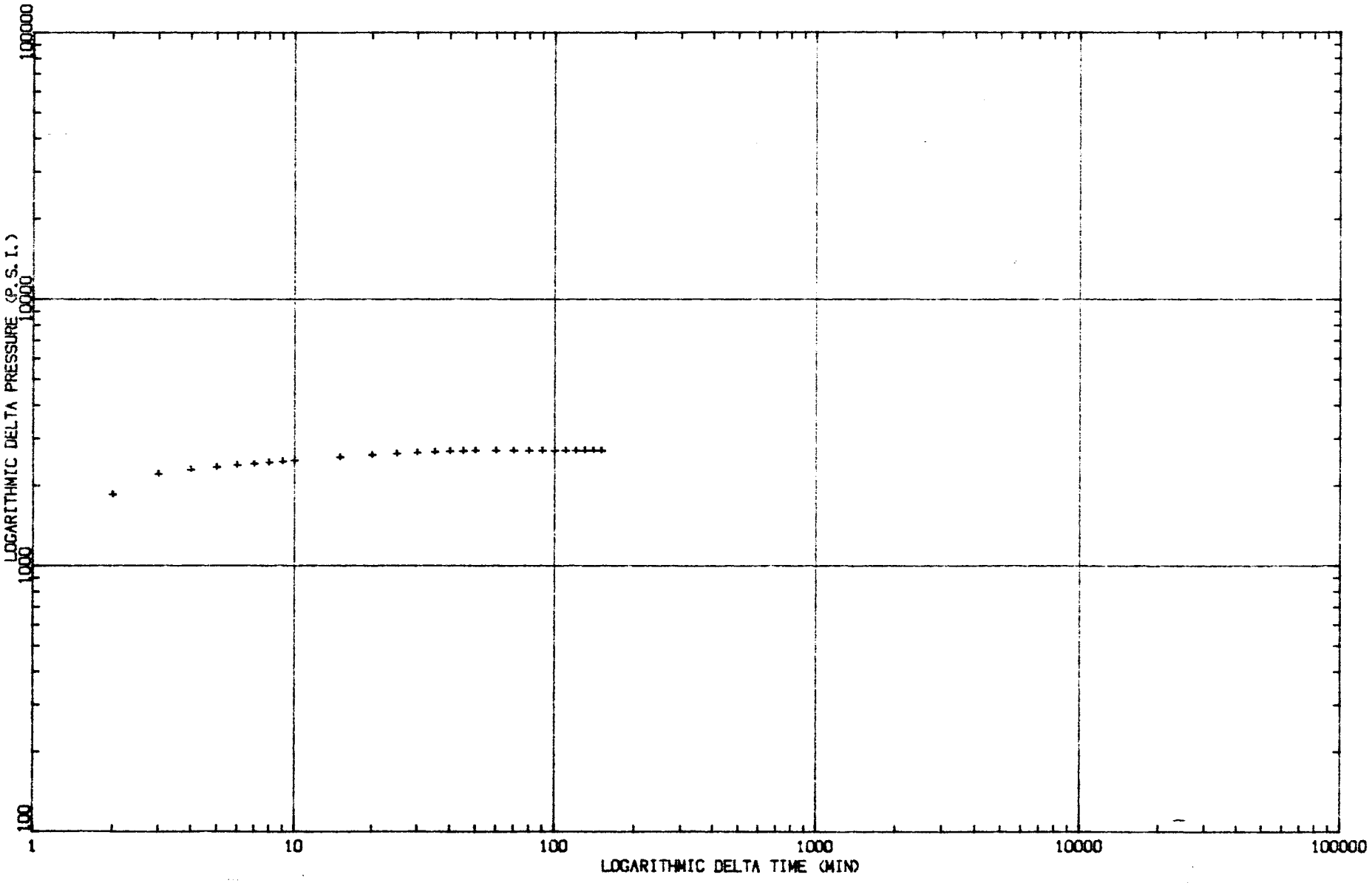
DEPTH: 12070



OPERATOR: AMERICAN QUASAR
WELL NAME: U. P. R. R. #35-22
LOCATION: 35-3N-7E
FIRST SHUT-IN
RECORDER: 1665

DST #: 1

DEPTH: 12070



AMERICAN QUASAR
DST#: 1
U.P.R.R. #35-22
12040 - 12360ft.

Location: 35-3N-7E
Test Type: BOTTOM HOLE CONVENTIONAL
Formation: NUGGET

Recorder Number: 1665
Recorder Depth: 12070 ft.

SAMPLE DATA

SAMPLE CHAMBER:

Capacity of sample chamber	2100	cc
Volume of sample.....	1800	cc
Pressure in sampler.....	360	psig
Where sampler was drained...	on location	

Sampler contained:

Mud	1800	cc	oil & gas cut
Gas	.5	cu-ft	

RESISTIVITY DATA:

Top.....:	400 PPM NACL
Middle.....:	10 000 PPM NACL
Bottom.....:	12 000 PPM NACL
Sampler.....:	16 000 PPM NACL
Mud pit.....:	4500 PPM NACL
Make-up Water..:	400 PPM NACL

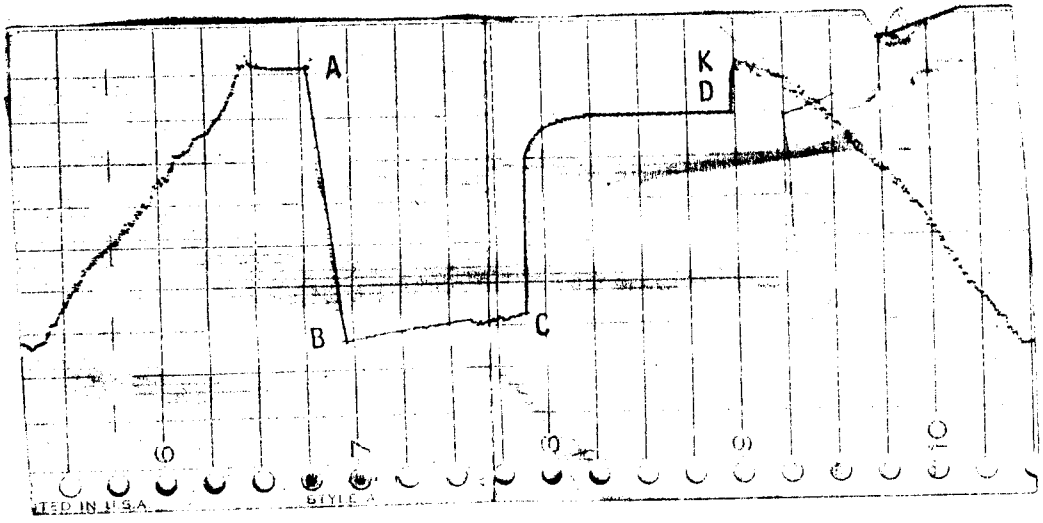
AMERICAN QUASAR
DST#: 1
U.P.R.R. #35-22
12040 - 12360ft.

PRESSURE RECORDER NUMBER : 1665

DEPTH : 12070.00ft.
TYPE : DMR

LOCATION : OUTSIDE
CAPACITY : 10000.00psi

	PRESSURE psi
A)Initial Hydro :	5523.0
B)1st Flow Start:	1658.0
C)1st Flow End :	2118.0
D)END 1st Shutin:	4833.0
Q)Final Hydro. :	5503.0



TEST TIMES(MIN)
1st FLOW :150
SHUTIN:150

STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

July 6, 1984

American Quasar Petroleum Company
707 Two United Bank Center
1700 Broadway
Denver, Colorado 80290

Gentlemen

SUBJECT: WELL NO. UPRR 35-22

This letter is to advise you that the directional survey has not been received by this office on Well No. UPRR 35-22, API #43-043-30243, Sec. 35, T. 3N., R. 7E., Summit County, Utah.

Rule C-8 - Drilling Procedure of The Oil and Gas Conservation General Rules and Regulations and Rules and Practice and Procedure states:

> Upon completion, a complete angular deviation and directional survey of the well obtained by an approved well surveying company shall be filed with the Division together with other regularly required reports.

We will be happy to acknowledge receipt of your response to this notice if you will include an extra copy of the transmittal letter with a place for our signature and a self addressed envelope for the return. Such acknowledgement should avoid unnecessary mailing of a second notice from our agency.

Thank you for your prompt attention to the above matter.

Sincerely

Claudia L. Jones

Claudia L. Jones
Well Records Specialist

clj

cc Dianne R. Nielson
Ronald J. Firth
John R. Baza
File

file

AMERICAN QUASAR PETROLEUM CO.

1700 UNITED BANK TOWER / 700 BROADWAY / DENVER / COLORADO 80290, U.S.A.

Telephone (303) 861-8437

TRANSMITTAL FORM

To ... State of Utah Natural Resources / Oil, Gas & Mining .....

Address ..4241 State Office Building, Salt Lake City, UT 84114 .....

Attention ... Claudia Jones .....

Subject Well No. UPRR 35-22 / API #43-043-30283 / Sec. 35, T3N, R7E, Summit Co., UT

Enclosed as follows:

1-DILL-ER
1-LDT/CNL
1 BHC-GR

PLEASE SIGN AND RETURN THE WHITE COPY.

Signed ..... Date .....

Thank You, Phyllis Grasz

AQP043 D

AMERICAN QUASAR PETROLEUM CO.

1700 UNITED BANK TOWER / 700 BROADWAY / DENVER / COLORADO 80290, U.S.A.

Telephone (303) 861-8437

TRANSMITTAL FORM

To ....State of Utah Natural Resources.....

Address .4241 State Office Building, Salt Lake City, UT 84114.....

Attention...Claudia L. Jones.....

Subject ...Well No. UPRR 35-22.....

Enclosed as follows:

1 copy of the directional survey on Well No. UPRR 35-23, API #43-043-30223, Sec. 35, T3N, R 7E, Summit Co., Utah.

RECEIVED
JUL 18 1984
DIV. OF OIL, GAS & MINING

Please sign and return white copy. Thank You. Phyllis Grasz

Signed..... Date.....

BEST COPY AVAILABLE

```
*************************
*                       *
*                       *
*                       *
*************************
*-----------------------*
*------SCHLUMBERGER-----*
*-----------------------*
*************************
```

SCHLUMBERGER DIRECTIONAL SURVEY

43-043-30243

AMERICAN QUASAR

PROTESTANT CAMP UPRR 35-22

PINEVIEW FIELD

SUMMIT COUNTY,UTAH

RUN NO. 1 2148 - 9388

JANUARY 13, 1984

START OF SURVEY IS CASING AT 2148 FT.

EXACT RADIUS OF CURVATURE METHOD

DUPLICATE

REFERENCE JOB 16511.

RECEIVED
JUL 18 1984
DIV. OF OIL, GAS & MINING

Schlumberger

```
*************************
*                       *
*                       *
*                       *
*************************
*-----------------------*
*------SCHLUMBERGER-----*
*-----------------------*
*************************
```

SCHLUMBERGER DIRECTIONAL SURVEY

AMERICAN QUASAR

PROTESTANT CAMP UPRR 35-22

PINEVIEW FIELD

SUMMIT COUNTY,UTAH

RUN NO. 1 2148 - 9388

JANUARY 18, 1984

START OF SURVEY IS CASING AT 2148 FT.

EXACT RADIUS OF CURVATURE METHOD

REFERENCE JOB 16511.

Schlumberger

MEAS. DEPTH FT	DEVIATION DEGREES	AZIMUTH DEGREES	TRUE VERTICAL DEPTH FT	CO-ORDINATES + NORTH - SOUTH	+ EAST - WEST	COURSE LENGTH FT
2148.0	0.9	90	2148.0	0.0	0.0	0.0
2160.0	0.9	90	2160.0	0.0	0.2	0.2
2180.0	0.9	86	2180.0	0.0	0.5	0.5
2200.0	0.8	84	2200.0	0.0	0.8	0.8
2220.0	0.6	72	2220.0	0.1	1.0	1.0
2240.0	0.5	78	2240.0	0.1	1.2	1.2
2260.0	0.6	75	2260.0	0.2	1.4	1.4
2280.0	0.5	85	2280.0	0.2	1.6	1.6
2300.0	0.5	75	2300.0	0.2	1.8	1.8
2320.0	0.5	76	2320.0	0.3	1.9	2.0
2340.0	0.5	87	2340.0	0.3	2.1	2.1
2360.0	0.5	74	2360.0	0.3	2.3	2.3
2380.0	0.5	72	2380.0	0.4	2.4	2.5
2400.0	0.5	75	2400.0	0.4	2.6	2.7
2420.0	0.5	72	2420.0	0.5	2.8	2.8
2440.0	0.3	90	2440.0	0.5	2.9	3.0
2460.0	0.4	82	2460.0	0.5	3.0	3.1
2480.0	0.4	133	2480.0	0.5	3.2	3.2
2500.0	0.4	295	2500.0	0.5	3.1	3.2
2520.0	0.4	263	2520.0	0.5	3.0	3.1
2540.0	0.5	109	2540.0	0.5	3.0	3.1
2560.0	0.4	123	2560.0	0.4	3.2	3.2
2580.0	0.4	104	2580.0	0.3	3.3	3.3
2600.0	0.4	110	2600.0	0.3	3.4	3.4
2620.0	0.4	115	2620.0	0.2	3.6	3.6
2640.0	0.4	132	2640.0	0.2	3.7	3.7
2660.0	0.4	128	2660.0	0.1	3.8	3.8
2680.0	0.4	128	2680.0	0.0	3.9	3.9
2700.0	0.4	113	2700.0	-0.1	4.0	4.0
2720.0	0.5	103	2720.0	-0.1	4.2	4.2
2740.0	0.4	126	2740.0	-0.2	4.3	4.3
2760.0	0.4	124	2760.0	-0.3	4.4	4.4
2780.0	0.5	129	2780.0	-0.4	4.5	4.6
2800.0	0.5	140	2800.0	-0.5	4.7	4.7
2820.0	0.5	140	2820.0	-0.6	4.8	4.8
2840.0	0.5	134	2840.0	-0.7	4.9	4.9
2860.0	0.5	141	2860.0	-0.9	5.0	5.1
2880.0	0.5	149	2880.0	-1.0	5.1	5.2
2900.0	0.5	149	2900.0	-1.2	5.2	5.3
2920.0	0.6	161	2920.0	-1.3	5.3	5.4
2940.0	0.6	158	2940.0	-1.5	5.4	5.6
2960.0	0.7	168	2960.0	-1.8	5.4	5.7
2980.0	0.8	165	2980.0	-2.0	5.5	5.8
3000.0	0.9	165	3000.0	-2.3	5.6	6.0
3020.0	0.8	171	3020.0	-2.6	5.6	6.2
3040.0	1.0	177	3040.0	-2.9	5.6	6.3

MEAS. DEPTH FT	DEVIATION DEGREES	AZIMUTH DEGREES	TRUE VERTICAL DEPTH FT	CO-ORDINATES + NORTH - SOUTH	+ EAST - WEST	COURSE LENGTH FT
3060.0	1.0	177	3060.0	-3.2	5.7	6.5
3080.0	1.0	177	3080.0	-3.6	5.7	6.7
3100.0	1.0	173	3100.0	-3.9	5.7	6.9
3120.0	1.1	189	3119.9	-4.3	5.7	7.1
3140.0	1.1	186	3139.9	-4.7	5.7	7.3
3160.0	1.1	177	3159.9	-5.1	5.6	7.6
3180.0	1.1	176	3179.9	-5.5	5.7	7.9
3200.0	1.2	188	3199.9	-5.8	5.7	8.1
3220.0	1.3	187	3219.9	-6.3	5.6	8.4
3240.0	1.1	177	3239.9	-6.7	5.6	8.7
3260.0	1.4	188	3259.9	-7.1	5.6	9.0
3280.0	1.4	189	3279.9	-7.6	5.5	9.4
3300.0	1.3	182	3299.9	-8.1	5.4	9.7
3320.0	1.3	185	3319.9	-8.5	5.4	10.1
3340.0	1.3	181	3339.9	-9.0	5.4	10.5
3360.0	1.4	179	3359.9	-9.5	5.4	10.9
3380.0	1.3	181	3379.9	-9.9	5.4	11.3
3400.0	1.4	174	3399.9	-10.4	5.4	11.7
3420.0	1.5	174	3419.9	-10.9	5.5	12.2
3440.0	1.4	174	3439.9	-11.4	5.5	12.7
3460.0	1.3	179	3459.9	-11.9	5.5	13.1
3480.0	1.3	174	3479.9	-12.3	5.6	13.5
3500.0	1.2	173	3499.9	-12.8	5.6	13.9
3520.0	1.2	172	3519.8	-13.2	5.7	14.3
3540.0	1.3	173	3539.8	-13.6	5.7	14.8
3560.0	1.2	169	3559.8	-14.0	5.8	15.2
3580.0	1.2	170	3579.8	-14.5	5.9	15.6
3600.0	1.2	168	3599.8	-14.9	6.0	16.0
3620.0	1.1	160	3619.8	-15.3	6.1	16.4
3640.0	1.1	166	3639.8	-15.6	6.2	16.8
3660.0	1.1	160	3659.8	-16.0	6.3	17.2
3680.0	1.1	159	3679.8	-16.3	6.4	17.6
3700.0	1.1	167	3699.8	-16.7	6.5	17.9
3720.0	1.1	162	3719.8	-17.1	6.6	18.3
3740.0	1.2	163	3739.8	-17.5	6.8	18.7
3760.0	1.1	165	3759.8	-17.8	6.9	19.1
3780.0	1.1	167	3779.8	-18.2	7.0	19.5
3800.0	1.0	166	3799.8	-18.6	7.0	19.9
3820.0	1.0	162	3819.8	-18.9	7.1	20.2
3840.0	1.0	152	3839.8	-19.2	7.3	20.6
3860.0	1.0	156	3859.8	-19.5	7.4	20.9
3880.0	0.9	157	3879.8	-19.8	7.6	21.2
3900.0	1.0	158	3899.8	-20.2	7.7	21.6
3920.0	1.0	161	3919.8	-20.5	7.8	21.9
3940.0	1.1	161	3939.8	-20.8	7.9	22.3
3960.0	1.2	166	3959.8	-21.2	8.0	22.7

Schlumberger

MEAS. DEPTH FT	DEVIATION DEGREES	AZIMUTH DEGREES	TRUE VERTICAL DEPTH FT	CO-ORDINATES + NORTH - SOUTH	+ EAST - WEST	COURSE LENGTH FT
3980.0	1.1	171	3979.8	-21.6	8.1	23.1
4000.0	1.1	182	3999.8	-22.0	8.2	23.5
4020.0	1.1	172	4019.8	-22.4	8.2	23.8
4040.0	1.1	169	4039.8	-22.7	8.2	24.2
4060.0	1.0	177	4059.7	-23.1	8.3	24.5
4080.0	1.1	186	4079.7	-23.5	8.3	24.9
4100.0	1.1	171	4099.7	-23.9	8.3	25.3
4120.0	1.1	172	4119.7	-24.2	8.3	25.6
4140.0	1.1	192	4139.7	-24.6	8.3	26.0
4160.0	1.0	196	4159.7	-25.0	8.2	26.3
4180.0	1.0	189	4179.7	-25.3	8.2	26.6
4200.0	0.9	173	4199.7	-25.6	8.2	26.9
4220.0	0.9	176	4219.7	-26.0	8.2	27.2
4240.0	0.8	170	4239.7	-26.2	8.2	27.5
4260.0	0.8	181	4259.7	-26.5	8.2	27.8
4280.0	0.8	171	4279.7	-26.8	8.3	28.0
4300.0	0.8	169	4299.7	-27.1	8.3	28.3
4320.0	0.8	168	4319.7	-27.3	8.4	28.6
4340.0	0.7	192	4339.7	-27.6	8.4	28.8
4360.0	0.8	165	4359.7	-27.9	8.4	29.1
4380.0	0.7	162	4379.7	-28.1	8.4	29.4
4400.0	0.7	164	4399.7	-28.3	8.5	29.6
4420.0	0.8	170	4419.7	-28.6	8.6	29.9
4440.0	0.7	188	4439.7	-28.9	8.6	30.1
4460.0	0.8	180	4459.7	-29.1	8.6	30.4
4480.0	0.9	183	4479.7	-29.4	8.6	30.6
4500.0	0.9	191	4499.7	-29.7	8.5	30.9
4520.0	1.0	203	4519.7	-30.0	8.4	31.2
4540.0	0.9	185	4539.7	-30.4	8.3	31.5
4560.0	0.9	187	4559.7	-30.7	8.3	31.8
4580.0	1.0	189	4579.7	-31.0	8.3	32.1
4600.0	1.0	191	4599.7	-31.3	8.2	32.4
4620.0	1.0	195	4619.7	-31.7	8.1	32.7
4640.0	1.0	188	4639.7	-32.0	8.1	33.0
4660.0	0.9	186	4659.7	-32.4	8.0	33.3
4680.0	1.0	189	4679.7	-32.7	8.0	33.6
4700.0	0.9	189	4699.7	-33.0	7.9	33.9
4720.0	0.9	192	4719.7	-33.3	7.9	34.2
4740.0	1.1	197	4739.7	-33.7	7.8	34.5
4760.0	1.1	197	4759.7	-34.0	7.7	34.9
4780.0	1.1	207	4779.7	-34.4	7.5	35.2
4800.0	1.2	212	4799.6	-34.7	7.3	35.5
4820.0	1.2	212	4819.6	-35.1	7.1	35.8
4840.0	1.2	215	4839.6	-35.4	6.9	36.1
4860.0	1.2	211	4859.6	-35.8	6.6	36.4
4880.0	1.1	213	4879.6	-36.1	6.4	36.7

Schlumberger

MEAS. DEPTH FT	DEVIATION DEGREES	AZIMUTH DEGREES	TRUE VERTICAL DEPTH FT	CO-ORDINATES + NORTH - SOUTH	+ EAST - WEST	COURSE LENGTH FT
4900.0	1.4	209	4899.6	-36.5	6.2	37.0
4920.0	1.3	215	4919.6	-36.9	6.0	37.4
4940.0	1.2	208	4939.6	-37.3	5.7	37.7
4960.0	1.4	213	4959.6	-37.7	5.5	38.1
4980.0	1.3	218	4979.6	-38.0	5.2	38.4
5000.0	1.2	209	4999.6	-38.4	5.0	38.7
5020.0	1.2	209	5019.6	-38.8	4.8	39.1
5040.0	1.4	218	5039.6	-39.1	4.5	39.4
5060.0	1.4	214	5059.6	-39.5	4.2	39.8
5080.0	1.7	214	5079.6	-40.0	3.9	40.2
5100.0	1.8	216	5099.6	-40.5	3.6	40.6
5120.0	1.8	220	5119.6	-41.0	3.2	41.1
5140.0	1.7	220	5139.6	-41.4	2.8	41.5
5160.0	1.9	222	5159.5	-41.9	2.4	42.0
5180.0	1.8	226	5179.5	-42.4	1.9	42.4
5200.0	1.8	220	5199.5	-42.8	1.5	42.9
5220.0	1.7	223	5219.5	-43.3	1.1	43.3
5240.0	1.7	222	5239.5	-43.7	0.7	43.7
5260.0	1.8	226	5259.5	-44.2	0.3	44.2
5280.0	1.8	222	5279.5	-44.6	-0.1	44.6
5300.0	1.8	225	5299.5	-45.1	-0.6	45.1
5320.0	1.8	222	5319.5	-45.5	-1.0	45.6
5340.0	1.9	221	5339.5	-46.0	-1.4	46.0
5360.0	2.0	223	5359.4	-46.5	-1.9	46.6
5380.0	1.8	223	5379.4	-47.0	-2.3	47.1
5400.0	1.8	225	5399.4	-47.5	-2.8	47.6
5420.0	1.8	223	5419.4	-47.9	-3.2	48.0
5440.0	1.6	223	5439.4	-48.4	-3.6	48.5
5460.0	1.7	226	5459.4	-48.8	-4.0	48.9
5480.0	1.5	223	5479.4	-49.2	-4.4	49.4
5500.0	1.6	225	5499.4	-49.6	-4.8	49.8
5520.0	1.6	232	5519.4	-49.9	-5.2	50.2
5540.0	1.8	221	5539.4	-50.3	-5.6	50.6
5560.0	1.5	227	5559.4	-50.7	-6.0	51.1
5580.0	1.7	234	5579.3	-51.1	-6.5	51.5
5600.0	1.6	232	5599.3	-51.4	-6.9	51.9
5620.0	1.4	234	5619.3	-51.8	-7.3	52.3
5640.0	1.3	230	5639.3	-52.0	-7.7	52.6
5660.0	1.2	236	5659.3	-52.3	-8.1	52.9
5680.0	1.1	234	5679.3	-52.5	-8.4	53.2
5700.0	1.0	241	5699.3	-52.7	-8.7	53.5
5720.0	1.0	239	5719.3	-52.9	-9.0	53.7
5740.0	0.9	233	5739.3	-53.1	-9.3	53.9
5760.0	0.9	252	5759.3	-53.2	-9.6	54.1
5780.0	0.9	251	5779.3	-53.3	-9.9	54.2
5800.0	0.7	238	5799.3	-53.5	-10.1	54.4

MEAS. DEPTH FT	DEVIATION DEGREES	AZIMUTH DEGREES	TRUE VERTICAL DEPTH FT	CO-ORDINATES + NORTH - SOUTH	+ EAST - WEST	COURSE LENGTH FT
5820.0	0.9	250	5819.3	-53.6	-10.4	54.6
5840.0	0.8	248	5839.3	-53.7	-10.6	54.7
5860.0	0.8	248	5859.3	-53.8	-10.9	54.9
5880.0	0.9	245	5879.3	-53.9	-11.2	55.0
5900.0	0.8	237	5899.3	-54.0	-11.4	55.2
5920.0	0.7	231	5919.3	-54.2	-11.6	55.4
5940.0	0.8	233	5939.3	-54.4	-11.8	55.6
5960.0	0.7	233	5959.3	-54.5	-12.1	55.8
5980.0	0.8	231	5979.3	-54.7	-12.3	56.0
6000.0	0.7	243	5999.3	-54.8	-12.5	56.2
6020.0	0.6	256	6019.3	-54.9	-12.7	56.4
6040.0	0.5	231	6039.3	-55.0	-12.9	56.5
6060.0	0.4	241	6059.3	-55.1	-13.0	56.6
6080.0	0.5	234	6079.3	-55.2	-13.1	56.7
6100.0	0.5	277	6099.3	-55.2	-13.3	56.8
6120.0	0.3	249	6119.3	-55.2	-13.4	56.8
6140.0	0.3	232	6139.3	-55.3	-13.5	56.9
6160.0	0.4	241	6159.3	-55.3	-13.6	57.0
6180.0	0.4	240	6179.3	-55.4	-13.7	57.1
6200.0	0.4	231	6199.3	-55.5	-13.8	57.2
6220.0	0.3	254	6219.3	-55.5	-13.9	57.3
6240.0	0.4	237	6239.3	-55.6	-14.0	57.3
6260.0	0.5	246	6259.3	-55.7	-14.2	57.4
6280.0	0.4	225	6279.3	-55.7	-14.3	57.6
6300.0	0.5	237	6299.3	-55.8	-14.4	57.7
6320.0	0.5	252	6319.3	-55.9	-14.6	57.8
6340.0	0.6	231	6339.3	-56.0	-14.8	57.9
6360.0	0.7	240	6359.3	-56.1	-14.9	58.1
6380.0	0.7	235	6379.3	-56.3	-15.2	58.3
6400.0	0.8	229	6399.3	-56.4	-15.4	58.5
6420.0	0.7	216	6419.3	-56.6	-15.5	58.7
6440.0	0.8	218	6439.3	-56.8	-15.7	59.0
6460.0	0.8	215	6459.3	-57.0	-15.9	59.2
6480.0	0.7	222	6479.3	-57.3	-16.0	59.5
6500.0	0.8	222	6499.3	-57.4	-16.2	59.7
6520.0	0.9	219	6519.3	-57.7	-16.4	60.0
6540.0	1.0	201	6539.3	-58.0	-16.6	60.3
6560.0	1.0	218	6559.2	-58.3	-16.7	60.6
6580.0	1.0	220	6579.2	-58.5	-16.9	60.9
6600.0	1.1	211	6599.2	-58.8	-17.2	61.3
6620.0	1.1	215	6619.2	-59.2	-17.4	61.6
6640.0	1.2	214	6639.2	-59.5	-17.6	62.0
6660.0	1.5	220	6659.2	-59.9	-17.9	62.5
6680.0	1.5	220	6679.2	-60.3	-18.2	62.9
6700.0	1.5	216	6699.2	-60.7	-18.5	63.4
6720.0	1.5	214	6719.2	-61.1	-18.8	63.9

MEAS. DEPTH FT	DEVIATION DEGREES	AZIMUTH DEGREES	TRUE VERTICAL DEPTH FT	CO-ORDINATES + NORTH - SOUTH	+ EAST - WEST	COURSE LENGTH FT
6740.0	1.3	216	6739.2	-61.5	-19.1	64.4
6760.0	1.5	203	6759.2	-61.9	-19.3	64.9
6780.0	1.7	203	6779.2	-62.4	-19.6	65.4
6800.0	2.0	200	6799.2	-63.0	-19.8	66.1
6820.0	2.2	198	6819.2	-63.7	-20.0	66.8
6840.0	2.2	200	6839.1	-64.5	-20.3	67.6
6860.0	2.3	190	6859.1	-65.2	-20.5	68.4
6880.0	2.3	185	6879.1	-66.0	-20.6	69.1
6900.0	2.3	163	6899.1	-66.8	-20.5	69.9
6920.0	2.4	161	6919.1	-67.6	-20.3	70.5
6940.0	2.5	157	6939.1	-68.4	-20.0	71.2
6960.0	2.5	150	6959.0	-69.1	-19.6	71.9
6980.0	2.5	145	6979.0	-69.9	-19.1	72.4
7000.0	2.2	139	6999.0	-70.5	-18.6	72.9
7020.0	2.1	118	7019.0	-71.0	-18.0	73.2
7040.0	2.1	106	7039.0	-71.3	-17.3	73.3
7060.0	2.4	93	7059.0	-71.4	-16.6	73.3
7080.0	2.6	85	7079.0	-71.4	-15.7	73.1
7100.0	2.4	87	7098.9	-71.3	-14.8	72.8
7120.0	2.5	87	7118.9	-71.3	-14.0	72.6
7140.0	2.7	83	7138.9	-71.2	-13.1	72.4
7160.0	3.0	78	7158.9	-71.0	-12.1	72.0
7180.0	3.1	78	7178.8	-70.8	-11.1	71.7
7200.0	3.2	77	7198.8	-70.6	-10.0	71.3
7220.0	3.5	75	7218.8	-70.3	-8.8	70.8
7240.0	3.8	71	7238.7	-69.9	-7.6	70.3
7260.0	4.0	70	7258.7	-69.4	-6.3	69.7
7280.0	4.6	67	7278.6	-68.9	-5.0	69.1
7300.0	5.3	65	7298.6	-68.2	-3.4	68.3
7320.0	6.1	63	7318.5	-67.3	-1.6	67.3
7340.0	7.2	62	7338.3	-66.2	0.5	66.2
7360.0	7.8	60	7358.2	-65.0	2.7	65.0
7380.0	8.2	61	7378.0	-63.6	5.2	63.8
7400.0	8.3	62	7397.8	-62.2	7.7	62.7
7420.0	8.4	58	7417.5	-60.8	10.2	61.6
7440.0	8.2	61	7437.3	-59.3	12.7	60.7
7460.0	8.4	59	7457.1	-57.9	15.2	59.8
7480.0	8.3	62	7476.9	-56.4	17.7	59.2
7500.0	8.2	61	7496.7	-55.1	20.2	58.7
7520.0	8.4	62	7516.5	-53.7	22.8	58.3
7540.0	8.4	63	7536.3	-52.4	25.4	58.2
7560.0	7.6	63	7556.1	-51.1	27.8	58.2
7580.0	8.2	63	7575.9	-49.8	30.3	58.3
7600.0	7.9	61	7595.7	-48.5	32.8	58.6
7620.0	7.6	64	7615.5	-47.3	35.2	58.9
7640.0	7.6	64	7635.3	-46.1	37.5	59.5

Schlumberger

MEAS. DEPTH FT	DEVIATION DEGREES	AZIMUTH DEGREES	TRUE VERTICAL DEPTH FT	CO-ORDINATES + NORTH - SOUTH	+ EAST - WEST	COURSE LENGTH FT
7660.0	7.6	65	7655.2	-15.0	39.9	60.1
7680.0	7.6	63	7675.0	-43.8	42.3	60.9
7700.0	7.5	66	7694.8	-42.7	44.7	61.8
7720.0	7.6	65	7714.6	-41.6	47.1	62.8
7740.0	8.1	65	7734.5	-40.4	49.5	64.0
7760.0	7.9	65	7754.3	-39.3	52.1	65.2
7780.0	7.8	66	7774.1	-38.1	54.5	66.6
7800.0	7.9	66	7793.9	-37.0	57.0	68.0
7820.0	8.3	67	7813.7	-35.9	59.6	69.6
7840.0	8.6	65	7833.5	-34.7	62.3	71.3
7860.0	9.2	65	7853.2	-33.4	65.1	73.2
7880.0	10.1	66	7872.9	-32.0	68.2	75.3
7900.0	10.6	65	7892.6	-30.5	71.4	77.7
7920.0	11.0	65	7912.3	-28.9	74.8	80.2
7940.0	11.4	65	7931.9	-27.3	78.3	83.0
7960.0	11.8	65	7951.5	-25.6	82.0	85.9
7980.0	12.3	63	7971.0	-23.8	85.7	89.0
8000.0	12.5	63	7990.6	-21.8	89.6	92.2
8020.0	12.8	62	8010.1	-19.8	93.5	95.5
8040.0	13.0	63	8029.6	-17.7	97.4	99.0
8060.0	13.3	62	8049.0	-15.6	101.5	102.6
8080.0	13.6	62	8068.5	-13.4	105.6	106.4
8100.0	13.4	62	8087.9	-11.3	109.7	110.3
8120.0	13.4	61	8107.4	-9.0	113.8	114.1
8140.0	13.4	61	8126.9	-6.8	117.8	118.0
8160.0	13.4	62	8146.3	-4.6	121.9	122.0
8180.0	13.2	63	8165.8	-2.5	126.0	126.0
8200.0	13.0	62	8185.3	-0.4	130.0	130.0
8220.0	13.0	65	8204.7	1.6	134.0	134.0
8240.0	13.0	66	8224.2	3.5	138.1	138.1
8260.0	12.9	67	8243.7	5.3	142.2	142.3
8280.0	12.8	69	8263.2	7.0	146.3	146.5
8300.0	12.6	69	8282.7	8.5	150.4	150.7
8320.0	12.4	69	8302.3	10.1	154.5	154.8
8340.0	12.4	71	8321.8	11.6	158.5	158.9
8360.0	12.3	73	8341.3	12.9	162.6	163.1
8380.0	12.1	71	8360.9	14.2	166.6	167.2
8400.0	12.2	72	8380.4	15.5	170.6	171.3
8420.0	12.0	72	8400.0	16.8	174.6	175.4
8440.0	11.9	71	8419.6	18.1	178.5	179.4
8460.0	11.9	73	8439.1	19.4	182.4	183.5
8480.0	11.9	73	8458.7	20.6	186.4	187.5
8500.0	11.8	73	8478.3	21.8	190.3	191.5
8520.0	11.7	73	8497.8	23.0	194.2	195.6
8540.0	11.6	74	8517.4	24.1	198.1	199.5
8560.0	11.6	76	8537.0	25.2	202.0	203.5

MEAS. DEPTH FT	DEVIATION DEGREES	AZIMUTH DEGREES	TRUE VERTICAL DEPTH FT	CO-ORDINATES + NORTH - SOUTH	+ EAST - WEST	COURSE LENGTH FT
8580.0	11.4	77	8558.6	26.1	205.8	207.5
8600.0	11.3	76	8576.2	27.0	209.7	211.4
8620.0	11.2	77	8595.9	27.9	213.5	215.3
8640.0	11.1	77	8615.5	28.8	217.2	219.1
8660.0	11.0	77	8635.1	29.7	221.0	222.9
8680.0	11.2	78	8654.7	30.5	224.7	226.8
8700.0	11.4	78	8674.3	31.3	228.5	230.7
8720.0	11.5	79	8693.9	32.1	232.4	234.6
8740.0	11.7	79	8713.5	32.9	236.4	238.7
8760.0	11.9	78	8733.1	33.7	240.4	242.7
8780.0	12.2	78	8752.7	34.6	244.5	246.9
8800.0	12.4	79	8772.2	35.4	248.7	251.2
8820.0	12.7	79	8791.7	36.2	252.9	255.5
8840.0	12.9	78	8811.2	37.1	257.3	259.9
8860.0	13.1	79	8830.7	38.0	261.7	264.4
8880.0	13.3	78	8850.2	38.9	266.1	269.0
8900.0	13.6	79	8869.6	39.9	270.7	273.6
8920.0	13.7	78	8889.1	40.8	275.3	278.3
8940.0	13.9	78	8908.5	41.8	280.0	283.1
8960.0	14.1	78	8927.9	42.8	284.7	287.9
8980.0	14.3	78	8947.3	43.8	289.5	292.8
9000.0	14.5	78	8966.7	44.9	294.4	297.8
9020.0	14.5	78	8986.0	45.9	299.3	302.8
9040.0	14.5	78	9005.4	46.9	304.2	307.8
9060.0	14.5	78	9024.8	48.0	309.1	312.8
9080.0	14.4	79	9044.1	49.0	314.0	317.8
9100.0	14.3	79	9063.5	49.9	318.8	322.7
9120.0	14.2	79	9082.9	50.9	323.7	327.6
9140.0	14.2	80	9102.3	51.8	328.5	332.6
9160.0	14.1	79	9121.7	52.6	333.3	337.4
9180.0	14.1	79	9141.1	53.6	338.1	342.3
9200.0	14.1	79	9160.5	54.5	342.9	347.2
9220.0	14.2	79	9179.9	55.4	347.7	352.1
9240.0	14.2	78	9199.3	56.4	352.5	357.0
9260.0	14.2	79	9218.6	57.4	357.3	361.9
9280.0	14.3	79	9238.0	58.3	362.1	366.8
9300.0	14.3	79	9257.4	59.3	367.0	371.7
9320.0	14.4	78	9276.8	60.3	371.8	376.7
9340.0	14.4	78	9296.2	61.3	376.7	381.6
9360.0	14.5	78	9315.5	62.3	381.6	386.6
9380.0	14.5	79	9334.9	63.3	386.5	391.6
9388.0	14.4	77	9342.6	63.8	388.4	393.6

Schlumberger

```
*****************************************************************
*                    BOTTOM HOLE LOCATION                       *
*                                                               *
*                    COURSE LENGTH:          393.6  FT          *
*                                                               *
*                    COURSE AZIMUTH:          80.7  DEGREES     *
*                                                               *
*                    MEASURED DEPTH:        9388.0  FT          *
*                                                               *
*                    TRUE VERTICAL DEPTH:   9342.5  FT          *
*                                                               *
*                    DISTANCE NORTH:          63.3  FT          *
*                                                               *
*                    DISTANCE EAST:          388.4  FT          *
*                                                               *
*                    EXACT RADIUS OF CURVATURE METHOD           *
*****************************************************************
```