

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

AMERICAN HUNTER EXPLORATION LTD.

3. Address and Telephone No.

410 - 17th STREET; SUITE 1220; DENVER, COLORADO 80202

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

605' FNL 7 1240' FEL (NENE)
SECTION 2 - T27N-R1W

5. Lease Designation and Serial No.

6. If Indian, Allottee or Tribe Name

JICARILLA APACHE

7. If Unit or CA, Agreement Designation

8. Well Name and No.

JICARILLA 2A-1

9. API Well No.

10. Field and Pool, or Exploratory Area

WILDCAT

11. County or Parish, State

RIO ARRIBA, NEW MEXICO

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other RUN PRODUCTION LINER.
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

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

13. 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.)

A production liner was run on reference well on 10-27-91 as follows:

* 5½", 15.5#, K55, HYDRIL 521 liner landed @ 6625.' KB. Liner hung inside 7-5/8" casing @ 4217.90' KB w/ Baker Model SLP-R 7-5/8" x 5½" liner hanger set at 29.75'. No Cement.

Liner Details: Guide shoe (1.17'), 57 JTS. 5½", 15.5#, K55, Hydril, 1 x-o Bushing (0.81'), 1 7-5/8" x 5½" Baker Model SLP-R Liner Hanger (3.68') 7-5/8" SHOE @ 4569'. 378.15' overlap.

NOTE: Perforated joints in the following intervals -
6582-6540, 6412-6369, 6245-6203, 6075-6031, 5907-5868, 5657-5613, 5570-5531,
5489-5448, 5407-5365, 5322-5279, 5236-5192, 4601-4559

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

Signed B. Thistle

Title Drilling Technologist

Date 03/03/92

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

ACCEPTED FOR RECORD

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side
OPERATOR

FARMINGTON RESOURCE AREA
BY 644

1929 - 1990



61 YEARS OF COMMITMENT



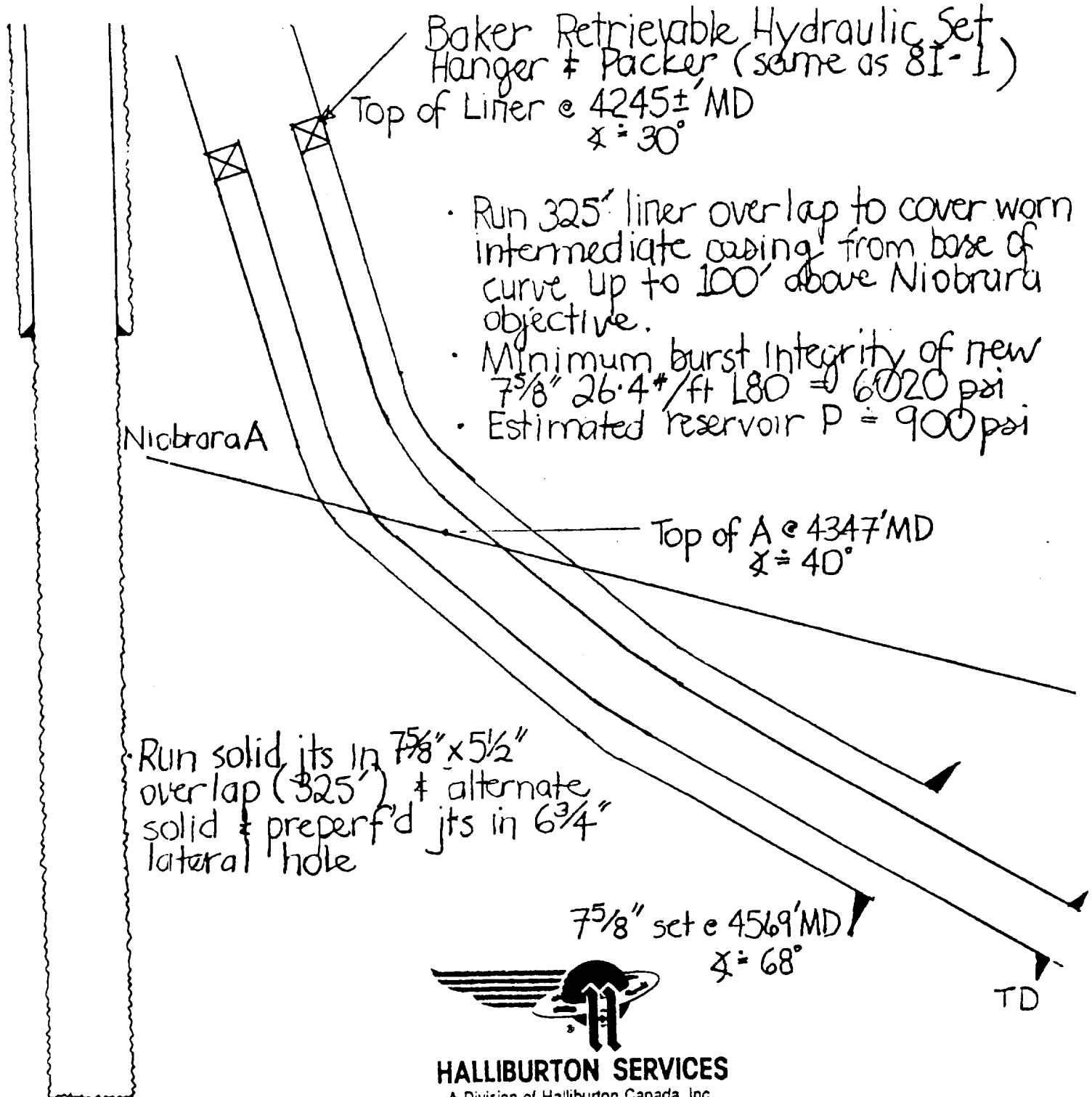
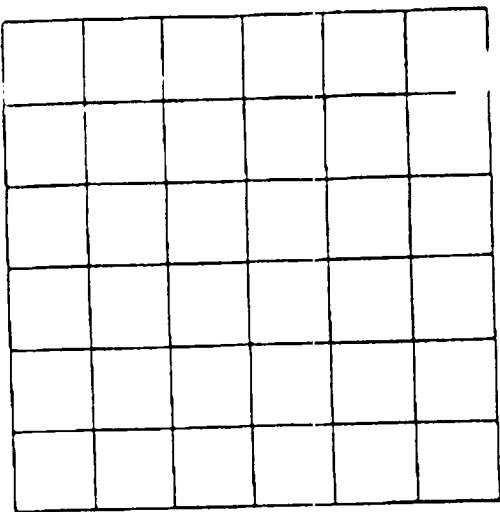
CONFIDENTIAL

AB91-10-22

AHEL Vicarilla 2A-1

5 1/2" Production Liner

Proposed Design



HALLIBURTON SERVICES

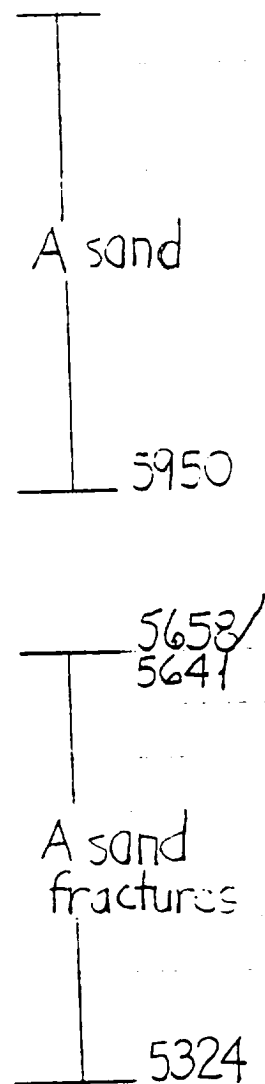
A Division of Halliburton Canada Inc.

CONFIDENTIAL

AB 41-10-26

1 5 1/2 FL (.55 #/ft K55 pipe 1521)
 TD = 6632' MD (= 2100' VS)

6625 - 6623.83	1.17	Guide shoe
- 6532.73	41.10	Blank, Jt #1 (1)
- 6540.32	42.41	Perf, Jt # P1 (1)
- 6412.54	127.73	Blank, Jts #2-4 (3)
- 6369.42	43.12	Perf, Jt P2 (1)
- 6245.43	123.49	Blank, Jts #5-7 (3)
- 6203.53	41.90	Perf, Jt P3 (1)
- 6075.17	123.36	Blank, Jts #8-10 (3)
- 6031.73	43.31	Perf, Jt P4 (1)
- 5907.03	124.70	Blank, Jts #11-13 (3)
- 5863.08	39.00	Perf, Jt P5 (1)
- 5657.47	210.61	Blank, Jts #14-18 (5)
- 5613.49	43.43	Perf, Jt P6 (1)
- 5570.17	43.32	B19 (1)
- 5531.41	39.76	P7 (1)
- 5489.46	41.95	320 (1)
- 5443.86	40.60	P8 (1)
- 5407.35	41.51	B21 (1)
- 5365.05	42.30	P9 (1)
- 5322.63	42.42	322 (1)
- 5274.36	43.27	P10 (1)
- 5236.03	43.33	B23 (1)
- 5192.43	43.10	P11 (1)
- 4601.64	591.24	B24 - 37 (14)
- 4559.18	42.51	P12 (1)
- 4222.34	336.79	B38 - 45 (8)
- 4217.90	4.44	Baker SLP-R



- Liner set 7.0' off bottom → TOL @ 4217.90' MD
- Set bridge plug @ 2985' MD (= 800' above KOP)
- Fluid level @ 2100' MD (est)
- Detachable hanger shear pinned to 65000 lbf

CASING SUMMARY

CONFIDENTIALWell Name AHEL Ticarilla 2A-1

KB to CSg. Bowl Flg. _____

Purpose of Casing LinerSize 5 1/2Date 91-10-27

No. Joints	Description (Size, wt, grade, make, rge, threads)	Measured Length	KB Depth
1	Guide Shoe, K55, Hydrill 521, Baker	1.17	6623.83
57	5 1/2", 15.5", K55, Hydrill Liner	2401.44	4222.39
1	XO Bushing	.81	4221.58
1	5 1/2 x 7 1/8 SLP-R Hanger. Baker	3.68	4217.90

Weld/Thread Lock (No. Jts.) _____

TOTAL STRING 2407.10

KB to Casing Top _____

Centralizers _____

Landed Depth, KB _____

Scratchers _____

Cementing Company _____

Operator _____

Job Details:

Stage #1

Stage #2

Circ. Time before Cement _____

Preflush - Volume & Type _____

Cement - Slurry Volume _____

- Cmt. & Additives _____

Mixing Times (from - to) _____

Displ. Fluid - Volume & Type _____

Displ. Times (from - to) _____

Lead Plug Type _____

Tail Plug Type _____

Plug Bumped? _____

Full Returns? _____

Make of Stage Tool _____

Remarks Liner set. 7' off bottom.Model "G" loc-set. Retrievable bridge plug set in 7 1/8 casing2 2985 ft KB, 800 ft above kick off.Company Representative [Signature]

Note: Attach casing tally sheets.

AMERICAN HUNTER EXPLORATION



A Baker Hughes company

LINER TOOL REPORT

BST-20-26

FORM DISTRIBUTION

- (1) WHITE-DISTRICT FILE
(2) YELLOW-QA HOUSTON
(3) PINK-REG'N. MGR.

For Eng. Use Only:

1 2 3 4 5 6 7 8 9 0

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- ☒ Normal Job
☐ Unsatisfactory Job
☐ Interim/Prototype Job

Customer American Hunter
Field/Block David Dolyanik
Dist. Mgr. David Dolyanik

Date 10-26-91
Lease JICARILLA 2A
BST District FARMINGTON

SSW 257-89610
Well #1
Job Log No. 034525

1. WELL INFORMATION: Cased Hole Depth 4596 Open Hole Depth 6632
Deviation 72.85° True Vertical Depth 4852.57

Hole Problems (lost circulation, tight spot, etc.): NONE
Csg. size 7-7/8 Weight 26.4, 29.6 Grade N-80 Shoes @ 4596

2. LINER INFORMATION: Size 5 1/2" Weight 15.50 Grade K-55 Threads Hydral 521
Length 2467.10 Top 4217.90 Overlap 378.10 Pick-up Wt. 37,000 Slack-off Wt. 57,000

3. DRILL PIPE: Size 3 1/2 XH Weight 14.0 Grade S-135, 'G' top
Size Weight Grade btm Running Speed 1 min. std.

Tool Description		Commodity No.	O.D.	I.D.	Length	Depth	Y/N
58" X 75' Slotted Liner Packed		293090025	6.50	4.84	3.68	4217.90	Y
58" Guide Shoe		898739999	5.75	4.87	1.17	463.83	Y

4. SETTING RESULTS: 1200 psi applied to set hydraulic hanger. Pressure to shear out seat in #2 landing collar NA (if applicable). Did hanger set? (yes ☒ or no ☐). Rounds to release setting tool NA
Press. to Rel. Hyd. Setting Tool 2000 Right-hand set , or left-hand set ? Rounds to set hanger
Picked up 3' to check for liner weight loss. Total weight loss 37,000
5. CONDITIONING: Mud circulated after liner on bottom hours @ bbls/minute. Mud weight
Maximum pressure circulated before () or after () hanger was set?
6. CEMENT JOB: Weight on setting tool while cementing . Cemented by
Calculated pumping time min. Pumped water or spacer ahead of cement . Behind cement
 . Cement weight . Percent of excess % Start mixing @
Finish displacing plug at . Max. pressure . Displacement rate
7. PLUG DISPLACEMENTS: Pumpdown plug bumped up at . Calculated displacement
Pressure from to to shear plugs. Liner wiper plug bumped up at
Calculated displacement . Pressure plugs bumped at
8. FOLLOW-UP ACTION REQ'D: ☐ Yes ☐ No
9. COMMENTS: Hung TO OFF Bottom @ 6635' TOG @ 4217.90'
This liner was not cemented in place

Baker Rep. Signature

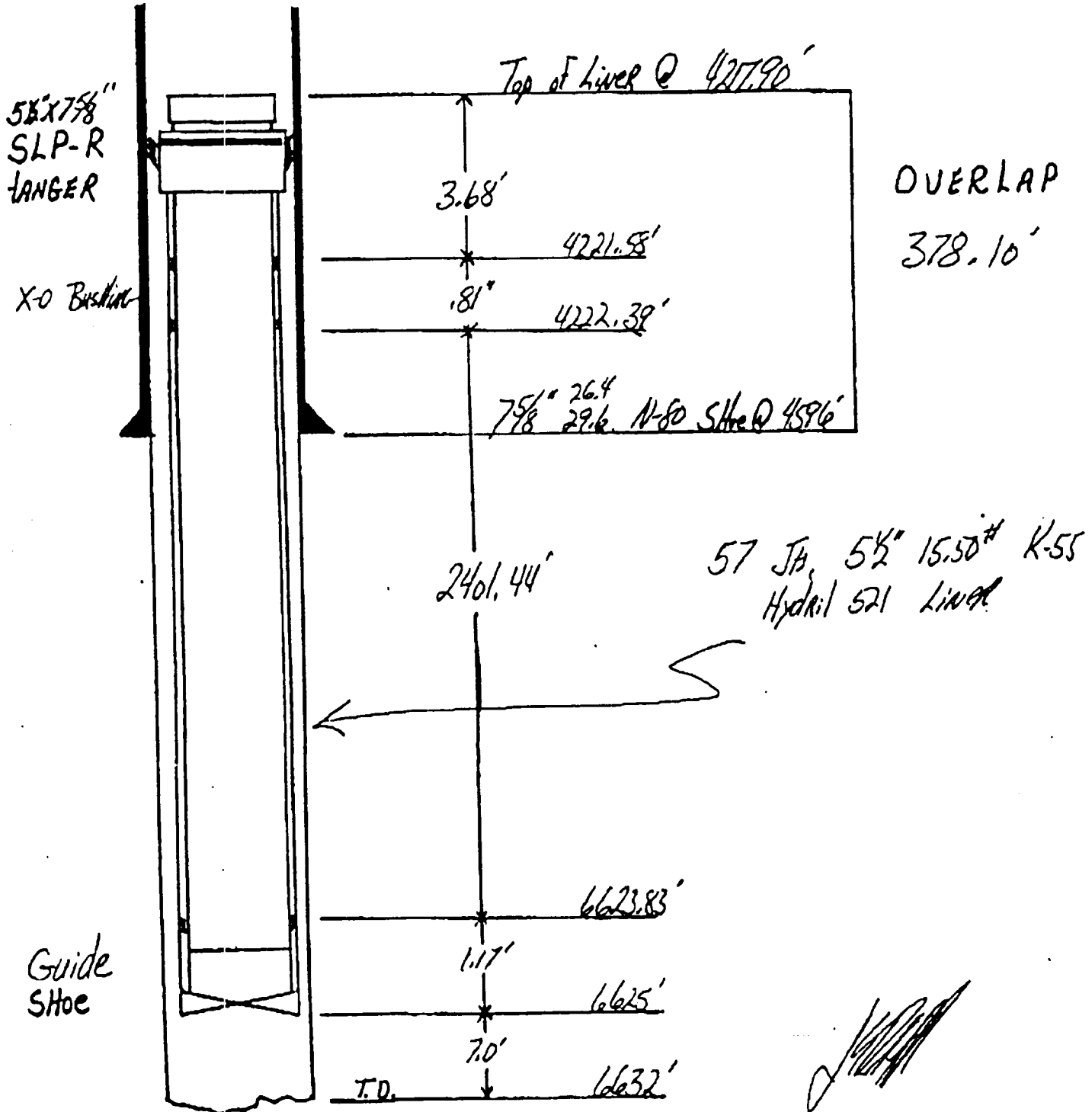
Customer Rep. Signature

10-27-91

AMERICAN Hunter
Jicarella 2A #1



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CASING SUMMARY

Well Name AHE Jicarilla 28-1 KB to CSg. Bowl Flg. 18.6
 Purpose of Casing Surface Size 10 3/4 Date 91-09-30

No. Joints	Description (Size, wt, grade, make, rge, threads)	Measured Length	KB Depth
1	10 3/4 sawtooth collar	.65	249.35
1	10 3/4 K55 STC, 40.5", 8-d	42.50	206.85
1	10 3/4 insert float	-	206.85
5	10 3/4, 40.5", K55, STC, 8-d.	211.81	

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Weld/Thread Lock (No. Jts.) 1

TOTAL STRING 254.96

Centralizers 3. 1-2-3

KR in Casing Top 4.96

Landed Depth, KB 250. -

Scratchers

Cementing Company Dawell Operator Lyndon Assumi

Job Details: Stage #1 Stage #2

Circ. Time before Cement .45 min's

Preflush - Volume & Type 10 bbl's water

Cement - Slurry Volume 22 bbl's - "G" + 2% s.l. + 1/4 lbs/c. D39

- Cmt. & Additives

Mixing Times (from - to) 00:32 - 00:48

Displ. Fluid - Volume & Type water - 20.8 bbl's

Displ. Times (from - to) 00:49 - 00:57

Lead Plug Type rubber

Tail Plug Type

Plug Bumped? yes.

Full Returns? yes.

Make of Stage Tool

Remarks No float collar hold shut in pres. for 4 hrs.

Company Representative [Signature]

AMERICAN HUNTER EXPLORATION

Note: Attach casing tally sheets.

ATT. Steve M. Thomas

TALLY SHEET

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Page 1 of 1

WELL NAME AMEL Tlacilla 28-1

SIZE 10 3/4 WT. 40.5 GRADE K55 COUPLING STC THRD 8-11

JOINTS ON LOCATION 6 DATE 91-09-30

Note: Indicate which joints not run by *

JOINT	LENGTH	JOINT	LENGTH	JOINT	LENGTH	JOINT	LENGTH	JOINT	LENGTH
1	42.50	1		1		1		1	
2	43.68	2		2		2		2	
3	40.80	3		3		3		3	
4	43.60	4		4		4		4	
5	41.95	5		5		5		5	
6	41.78	6		6		6		6	
7		7		7		7		7	
8		8		8		8		8	
9		9		9		9		9	
10		30		50		70		90	
A	254.31	C		E		G		I	
1		1		1		1		1	
2		2		2		2		2	
3		3		3		3		3	
4		4		4		4		4	
5		5		5		5		5	
6		6		6		6		6	
7		7		7		7		7	
8		8		8		8		8	
9		9		9		9		9	
20		40		60		80		100	
B		D		F		H		J	

A	254.31
B	
C	
D	
E	
F	
G	
H	
I	
J	
TOTAL	

PAGE TOTAL

BROUGHT FORWARD

GRAND TOTAL

JOINTS	LENGTH
6	254.31
-	-
6	254.31

REMARKS:

COMPANY REPRESENTATIVE

[Signature]

AMERICAN HUNTER EXPLORATION

CEMENTING SERVICE REPORT



DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER **11-3766** DATE **7/30/91**
ST **OS** DISTRICT **Fairlington, N.M.**

PRINTED IN U.S.A.

WELL NAME AND NO. Carilla	LOCATION (LEGAL) Sec 2 T27N 1W	RIG NAME: Four Corners #15
WELL DATA	FORMATION	WELL DATA
BIT SIZE 14 3/4		CSG/Liner Size 10 3/4
TOTAL DEPTH 220		WEIGHT 40.5
Z-ROT ☐ CABLE		FOOTAGE 254.81
MUD TYPE		GRADE
☐ SHST ☐ BHCT		THREAD
MUD DENSITY		LESS FOOTAGE SHOE JOINT(S) 42.5
MUD VISC.		Disp. Capacity 2123
		TOTAL 2123

NOTE: Include Footage From Ground Level To Head In Dip. Casing

FLAT	TYPE	20 1/4	TYPE	
DEPTH		207.5	DEPTH	
SHOE	TYPE	Texas Pattern	TYPE	
DEPTH		250	DEPTH	

HEAD & PLUGS	☐ TAG	☐ SP	SQUEEZE JOB	
☐ Double	SIZE		TOOL	TYPE
☒ Single	WEIGHT		DEPTH	
☐ Swage	GRADE		TAIL PIPE SIZE	DEPTH
☐ Knockoff	THREAD		TUBING VOLUME	Bbls
TOP ☒ CW	☐ NEW	☐ USED	CASING VOL. BELOW TOOL	Bbls
BOT ☐ CW	DEPTH		TOTAL	Bbls
			ANNUAL VOLUME	Bbls

ARRIVE ON LOCATION	DATE: 7/29/91	LEFT LOCATION	DATE: 7/30/91
--------------------	----------------------	---------------	----------------------

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR TIME DATE			ARRIVE ON LOCATION DATE			SERVICE LOG DETAIL
	TAG OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	TIME	DATE		
0001 16 2400											PRE-JOB SAFETY MEETING
											1-1/2" H ₂ O 1500 psi
0027	+	100	10	0	3	H ₂ O	8.3				start work
0032		150	72	10	4	cmf	15.8				start cement
0048		300	0	82	0	cmf	15.8				shut down; drop plug
0049		100	20.8	0	4	H ₂ O	8.3				start displacement
0057		500	0	20.8	0	H ₂ O	8.3				shut down; bump plug
											close head in;
000											end job.

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MARKS

SYSTEM CODE	NO OF SACKS	YIELD CU FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED	
					BBLs	DENSITY
1	350	1.15	6 + 2% ST + 1/2" 32 EXP.		72	15.8
2						
3						
4						
5						
6						

DOWN-FLUID TYPE	VOLUME	DENSITY	PRESSURE	MAX. 500	MIN. 0
REGISTRATION SQ	☐ BURNING SQ	☐ YES ☒ NO	Cement Circulated To Surf.	☒ YES ☐ NO	10 Bbls
PEAKDOWN	PSI	FINAL	PSI	DISPLACEMENT VOL.	20.8 Bbls
ashed Tru Pore	L. YES ☐ NO ☐	TO	FT	MEASURED DISPLACEMENT	☐ WIRELINE
OPERATIONS	TO	TO	CUSTOMER REPRESENTATIVE	OS	SUPERVISOR
			John O'Shan		Lynne Brown

CASING SUMMARY

Well Name AHEL Ticarilla 2R-1

KB to Csg. Bowl Flg. _____

Purpose of Casing IntendedSize 7 7/8Date 91-10-14

No. Joints	Description (Size, wt, grade, make, rge, threads)	Measured Length	KB Depth
1	Float shoe 7 7/8, L-80	1.45'	4567.55'
1	7 7/8, 26.4", L80, LTTC, 8rd	42.50	4525.05'
1	Float Collar 7 7/8, L80	1.32	4523.73'
46	7 7/8 26.4", L80, LTTC, 8rd	2837.41	1686.32'
39	7 7/8 29.7", L80, LTTC, 8rd	1696.46	

CONFIDENTIALWeld/Thread Lock (No. Jts.) 2TOTAL STRING 4579.14KB to Casing Top 10'Centralizers 1-2-3-4-5-6-7-8-9-10-11-12Landed Depth, KB 4569 ft KB.13-14-15-16-17-18-19-20-23-26-29-32.Scratchers N/LCementing Company DowellOperator R.W. Cambridge

Job Details:

Stage #1

Stage #2

Circ. Time before Cement 1 hrPreflush - Volume & Type 20 bbl. waterCement - Slurry Volume 318 bbls, 35-45 Ppt + 6% oil, + 2% 31 + 1/4" x 28 029.- Cmt. & Additives Tail 47 bbls "G" + .5% oil, + .4% oil, + .2% oil, + .25% oil.Mixing Times (from - to) 0427 - 0436Displ. Fluid - Volume & Type Oil 212.8Displ. Times (from - to) 0437 - 05:22Lead Plug Type Rubber

Tail Plug Type _____

Plug Bumped? NoFull Returns? No

Make of Stage Tool _____

Remarks lost to returns after 124 bbls displacement.Pumped 8 bbls over displacement, did not bump plug.Company Representative [Signature]

AMERICAN HUNTER EXPLORATION

Note: Attach casing tally sheets.

TALLY SHEET **CONFIDENTIAL**

Page 1 of 2

WELL NAME AHEL Ticarilla 2A-1SIZE 7 7/8 WT. 264.292 GRADE 180 COUPLING STC THRD 8rdJOINTS ON LOCATION 108 DATE 91-10-13

Note: Indicate which joints not run by

JOINT	LENGTH	JOINT	LENGTH	JOINT	LENGTH	JOINT	LENGTH	JOINT	LENGTH
1	42.50	1	42.65	1	43.54	1	42.50	1	41.05
2	43.98	2	42.37	2	40.95	2	43.47	2	44.70
3	43.70	3	43.85	3	43.74	3	43.68	3	44.26
4	43.50	4	43.41	4	44.30	4	43.82	4	44.63
5	43.95	5	43.35	5	43.54	5	43.55	5	44.78
6	42.94	6	43.47	6	43.92	6	42.75	6	42.65
7	43.81	7	43.37	7	43.52	7	43.35	7	41.55
8	42.20	8	39.65	8	44.10	8	44.61	8	44.73
9	41.07	9	42.14	9	40.-	9	44.73	9	42.80
10	41.74	30	43.45	50	41.09	70	38.75	90	43.48
A	433.39	C	427.71	E	428.70	G	431.21	I	434.63
1	43.87	1	43.72	1	35.61	1	44.52	1	43.65
2	41.97	2	43.60	2	43.60	2	41.78	2	38.25
3	43.55	3	43.55	3	40.40	3	41.60	3	41.03
4	42.50	4	43.90	4	43.55	4	44.75	4	44.72
5	43.80	5	43.38	5	41.18	5	44.63	5	43.55
6	43.39	6	43.61	6	43.74	6	44.53	6	43.93
7	43.54	7	43.54	7	43.45	7	41.65	7	44.68
8	41.40	8	43.50	8	43.92	8	43.38	8	44.65
9	41.21	9	43.45	9	43.94	9	40.48	9	44.83
20	42.15	40	43.55	60	43.42	80	44.78	100	44.73
B	428.38	D	435.80	F	422.81	H	432.38	J	437.01

A	433.39
B	428.38
C	427.71
D	435.80
E	428.70
F	422.81
G	431.21
H	432.38
I	434.63
J	437.01
TOTAL	

PAGE TOTAL _____

BROUGHT FORWARD _____

GRAND TOTAL _____

REMARKS: _____

COMPANY REPRESENTATIVE _____

JOINTS	LENGTH
100	4312.02

AMERICAN HUNTER EXPLORATION

TALLY SHEET

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Page 2 of 2

WELL NAME AHEL Disacilla 2A-1

SIZE 7 1/8 WT. 26.4-29.7 GRADE L-80 COUPLING LFC THRD Ac

JOINTS ON LOCATION 108

DATE 91-10-13

Note: Indicate which joints not run by *

JOINT	LENGTH	JOINT	LENGTH	JOINT	LENGTH	JOINT	LENGTH	JOINT	LENGTH
1	44 78	1		1		1		1	
2	43 80	2		2		2		2	
3	42 02*	3		3		3		3	
4	44 42	4		4		4		4	
5	42 06*	5		5		5		5	
6	43 25	6		6		6		6	
7	44 44	7		7		7		7	
8	43 60	8		8		8		8	
9		9		9		9		9	
10		30		50		70		90	
A	3'10" 72	C		E		G		I	
1		1		1		1		1	
2		2		2		2		2	
3		3		3		3		3	
4		4		4		4		4	
5		5		5		5		5	
6		6		6		6		6	
7		7		7		7		7	
8		8		8		8		8	
9		9		9		9		9	
20		40		60		80		100	
B		D		F		H		J	

A	348 43
B	
C	
D	
E	
F	
G	
H	
I	
J	
TOTAL	

PAGE TOTAL

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GRAND TOTAL

JOINTS	LENGTH
8	348.43
100	4312.02
108	4660.45

REMARKS:

COMPANY REPRESENTATIVE

AMERICAN HUNTER EXPLORATION

303 825 0534 PAGE.009



DOWELL SCHLUMBERGER INCORPORATED

LEADERS NUMBER 3775

08-13-91

STATE 03 FARMINGTON N.M.

DS-106 PRINTED IN U.S.A.

WELL NAME AND NO. **AA-1 Ticarilla 2A-1**
LOCATION (LEGAL) **SEC 2 T2N R1N.**
FORMATION
FIELD-POOL

COUNTY/PARISH **Rio Arriba**
STATE **N.M.**
APL. NO.

NAME **American Hunter**

AND

ADDRESS

ZIP CODE

SPECIAL INSTRUCTIONS **Cement type intermediate w/ 1000 SKs lead @ 124 GAD. 231 fics tail @ 158ppg Displace with oil.**

IS CASING/TUBING SECURED? ☒ YES ☐ NO
LIFT PRESSURE **3226** PSI CASING WEIGHT - SURFACE AREA (2 1/2" x 10')
PRESSURE LIMIT **3226** PSI BUMP PLUG TO **500' OVER** PSI
ROTATE **0** RPM RECIPROCATE **0** FT No. of Centralizers **24**

WELL DATA: **FAIR CURNERS #15**
WELL DATE: **9/7/8** BOTTOM **798** TOP **798**
TOTAL DEPTH **29.7** WEIGHT **26**
☐ NOT ☐ CABLE FOOTAGE **1677** **282**
MUD TYPE **GRADE** **180** **180**
☐ SHRT ☐ SHCT THREAD **814** **814**
MUD DENSITY **133** FOOTAGE **43** TOTAL
MUD VISC. **20.22** **136** **212**
NOTE: Include Footage From Above Level To Head In Line Casing

TYPE **Loss Float collar** TYPE
DEPTH **4536** DEPTH
TYPE **Loss Float shoe** TYPE
DEPTH **4529** DEPTH

Head & Plug ☐ YES ☐ NO ☐ D.P. ☐ NO
☐ Double SIZE ☐ WEIGHT
☒ Single ☐ GRADE ☐ THREAD
☐ Bungee ☐ Knockout
TOP OR CW ☐ NEW ☐ USED
BOT OR CW DEPTH
SOUSEE JOB
TOOL TYPE
DEPTH
TAIL PIPE SIZE DEPTH
TUBING VOLUME
CASING VOL. BELOW TOOL
TOTAL
ANNUAL VOLUME

JOB SCHEDULED FOR TIME **2200** DATE **10/17** ARRIVE ON LOCATION TIME **2200** DATE **10/13** LEFT LOCATION TIME **0830** DATE **10/14**

TIME	PRESSURE	VOLUME PUMPED	INJECT RATE	FLUID TYPE	DENSITY	SERVICE LOG DETAIL
0001 IN 2400	TGC OR D.P.	CASING	INJECT RATE	FLUID TYPE	DENSITY	
2200						Arrive on location / Rig up
2245						Start in with casing
0215						Casing on bottom / Rig up to lift
0321	310	2	2.0	H2O	8.3	Fill lines / Pressure test @ 2000 psi
0324	1200	20	8.0	H2O	8.3	Start H2O ahead
0327	650	327	7.0	CAT	12.4	Start mixing lead slurry
0400	500	29	6.0	CAT	12.4	Slow rate
0418	110	47	3.2	CAT	8.8	End lead slurry / start mixing Tail
0436	0	379	6	CAT	15.8	End Tail / Drop Plug
0437	0	2125	8.0	Oil	7.6	Start oil Displacement
0453	930	134	16.0	Oil	7.6	Liner Rate / Lining Returns
0504	930	165	2.0	Oil	7.6	Liner Rate / Lining Returns
0511	940	201	1.0	Oil	7.6	Liner Rate / Lining Returns
0522	940	208	6	Oil	7.6	Stop Pumping / DO NOT Pump Plug
0525						Bleed off / Float Holding

REMARKS **Losing Returns During Displacement**

SYSTEM	NO. OF BAGS	YIELD	COMPOSITION OF CEMENTING SYSTEMS	SLURRY MIXED	DENSITY
1	1011	1.82	35/65 / 100 / 100 / 6 + 60% D20 + 20% SI + 144 / 6 D29	328	12.4
2	231	1.15	6 + 50% D57 + 40% D65 + 20% D136 + 250% D77	47	8.8
3					
4					
5					
6					

BREAKDOWN FLUID TYPE
☐ HESITATION SO. ☐ RUNNING SO. ☐ CIRCULATION LOST
BREAKDOWN PSI **2200** PSI
MEASURED DISPLACEMENT **2200** PSI
CUSTOMER REPRESENTATIVE **Alex**
SUPERVISOR **A.W. Coolidge**