

OFFICE USE ONLY
 Log No. 44491
 Permit No. _____
 Basin _____
 DATE MAY 1999

PRINT OR TYPE ONLY
 DO NOT WRITE ON BACK

WELL DRILLER'S REPORT

Please complete this form in its entirety in accordance with NRS 534.170 and NAC 534.340

NOTICE OF INTENT NO. _____

1. OWNER BRADY POWER PARTNERS ADDRESS AT WELL LOCATION _____
 MAILING ADDRESS % ESI ENERGY, 1400 CENTRE PARK BLVD., STE 1600, W. PALM BEACH, FL 33401 FALLEN, NV, 89406
 2. LOCATION NW 1/4 NW 1/4 Sec 12 T 22 N 26 E CHURCHILL County _____
 PERMIT NO. 57289 Parcel No. N/A N/A
 Issued by Water Resources _____ Subdivision Name _____

3. WORK PERFORMED
 New Well Replace Recondition
 Deepen Abandon Other _____
 4. PROPOSED USE
 Domestic Irrigation Test
 Municipal/Industrial Monitor Stock
 5. WELL TYPE
 Cable Rotary RVC
 Air Other _____

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
SAND		55'	110'	55'
CONGLOMERATE		110'	150'	40'
TUFF SEDIMENTS		150'	260'	110'
LIME STONE		260'	340'	80'
TUFF SEDIMENTS		340'	560'	220'
LIME STONE		560'	620'	60'
LMSTN & SLT STN		620'	690'	70'
SLT STN & CLY STN		690'	720'	30'
LIME STONE		720'	820'	100'
LMSTN & SLT STN		820'	950'	130'
SILT STONE		950'	1070'	120'
SLT STN & AGH		1070'	1130'	60'
TUFF & SLT STN		1130'	1150'	20'
TUFF		1150'	1185'	35'
NO RETURNS/NO SMPLS X		1185'	1275'	90'

8. * WELL CONSTRUCTION
 Depth Drilled 1275 Feet Depth Cased 1269 Feet
 HOLE DIAMETER (BIT SIZE)
 From 26 Inches To 335' Feet
17 1/2 Inches 335' Feet 1275' Feet
 _____ Inches _____ Feet _____ Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
20"	94#		0	335'
13 3/8"	61#		0	1102'
10 3/4"	51#		1062'	1269'

Perforations:
 Type perforation SAW CUT SLOTS
 Size perforation 2 1/4" X 1/4" 8/ROW, 4 ROWS/FT.
 From 1159' feet to 1269' feet
 From _____ feet to _____ feet

Surface Seal: Yes No Seal Type:
 Depth of Seal 335' Neat Cement
 Placement Method: Pumped Cement Grout
 Poured Concrete Grout
 Gravel Packed: Yes No
 From _____ feet to _____ feet

9. FLOW TEST WATER LEVEL N₂ INITIAL LIFT
 Static water level 156 feet below land surface
 Artesian flow 1200 G.P.M. 50 P.S.I.
 Water temperature 29.8 °F Quality GEOTHERMAL/DRR

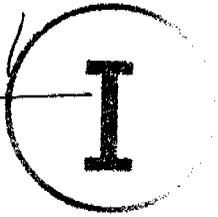
10. DRILLER'S CERTIFICATION
 This well was drilled under my supervision and the report is true to the best of my knowledge.

Name NABORS DRILLING USA Contractor
 Address PO BOX 418 Contractor
BAKERSFIELD, CA 93302
 Nevada contractor's license number NV 35967
 issued by the State Contractor's Board
 Nevada driller's license number issued by the 61933
 Division of Water Resources, the on-site driller
 Signed WAM KILBON
 By driller performing actual drilling on site or contractor
 Date MAY 23, 1994

Date started MARCH 13 1994
 Date completed MARCH 20 1994

7. WELL TEST DATA PRODUCTION
 TEST METHOD: Bailer Pump Air Lift
 G.P.M. 2100 Draw Down (Feet Below Static) 13' Time (Hours) 24 HR/DAY
 PRODUCTION DATA 5 PSI ± .39 PSI/FT (349°F H₂O)
 * WELL HISTORY & CASING
 DETAIL ATTACHED.

Well Log # 4444



May 1999

May 23, 1994

Resource Group
40201 Sagewood Dr.
Palm Desert, Ca. 92260
619 / 341 - 0186

State of Nevada
Division of Water Resources
123 West Nye Lane
Carson City, Nv. 89710

Re: Proprietary Information

Attn: Carl Barrick

Attached is the completed Well Drillers Report for well 48A-1 drilled at Brady Hot Springs.

My client, Brady Power Partners, wishes the report to be held confidential for the full period of time permitted by your regulations. Proprietary information is included in the Well Drillers Report and the attached Well History. I believe this period of time is five years.

If you have any questions or comment I can be reached at:
40201 Sagewood Dr.
Palm Desert, Ca. 92260
Phone 619/341-0186

Regards

Wm. M. Rickard
Resource Group

Brady Power Partners

WELL HISTORY

BHS 48A-1

- 3-13-94 Moved in and rigged up Nabors Rig 162. Rig went on Day Rate at 0000 hours, March 13, 1994. Mixed mud and installed pitcher nipple. Made up bottom hole assembly. Spudded at 0600 hours. Drilled 26" hole from 52' to 340' with full returns. (Rig KB is 24' above ground level.) Notified Dick Whiting, Nevada DOM, of actual spud time. Circulated and short tripped. Had no fill. POH, laid down 26" tools. Rigged up and ran 8 joints of 20", 94#, K-55, BTC casing with shoe at 335.02', float at 290.17' and top of casing at KB.
- 3-14-94 Ran in casing with stinger on drill pipe and stabbed into float collar at 290'. Conditioned hole for cement. Cemented as follows; Mixed and pumped 20 barrels Flow Check, and 750 cf class 'G' cement 1:1 perlite with 40% silica flour, 4% gel, and 0.65% CFR-3, plus 250 cf class 'G' cement with 40% silica flour and 0.65% CFR-3. Displaced with 4 barrels water. Had 50 cf excess cement returns to surface. Cement top fell in annulus to 28' below ground level. Filled annulus with 25 cf class 'G' cement with 40% silica flour and 0.65% CFR-3. WOC. Cut off 30" conductor and 20" casing. Installed 20"-2M SOW casing head. Nipped up.
- 3-15-94 Completed nipple up of 20" BOPE consisting of 20"-2M mud cross, single gate, annular preventor and choke and kill lines. Made up bottom hole assembly. Tested BOPE to 500 psi, OK. Test witnessed and approved by Dick Whiting, Nevada DOM. RIH with locked drilling assembly. Drilled out float collar, cement and guide shoe to 335'. Cleaned out cement to 340'. Drilled 17-1/2" hole from 340' to 603' with full returns.
- 3-16-94 Drilled 17-1/2" hole from 603' to 1165'. Lost circulation at 1165'. Displaced LCM pill and regained returns. Drilled 17-1/2" hole to 1184' with partial returns. Had total lost circulation at 1184'. Unable to regain returns with LCM. Drilled 17-1/2" hole from 1184' to 1275' with water and no returns to surface. Swept hole with gel/LCM pills on each connection and at TD. Short tripped to shoe, had no fill. POH. Ran DIL, SP, GR, and temperature logs from 1275' to 335'. Kept well dead with 60 gpm water from charging pump through fill up line. Maximum log temperature 310°F at 1190'. Increased cooling water to 150 gpm.
- 3-17-94 RIH with OEDP to 1242'. Displaced 84 cf sand through drill pipe in 4 plugs. Found top of sand at 1242'. With OEDP at 1149', displaced 160 cf sand through drill pipe in 3 plugs. Found top of sand at 1197'. Dumped 37 cf sand with water from surface through OEDP at 1149'. Found top of sand at 1187'.

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Dumped 568 cf sand with water from surface through OEDP at 1087'. Found top of sand at 1156'. Dumped an additional 568 cf sand with water from surface through OEDP at 1087'. Found top of sand at 1112'. Washed out sand to 1125'. With OEDP at 1119', displaced balanced plug of 81 cf class 'G' cement with 40% silica flour, 0.65% CFR-3 and 4% calcium chloride. POH. WOC. RIH. Cleaned out cement from 1088' to 1111' with good returns to surface. Conditioned hole for casing. POH.

3-18-94 Laid down 17-1/2" tools. Ran 28 joints 13-3/8", 61#, K-55, BTC casing with guide shoe at 1102.0', insert floats at 1096.1' and 1056.43' and top of casing 1.7' below KB. Conditioned hole for cement. Cemented as follows; mixed and pumped 10 barrels calcium chloride water, 10 barrels Flo-Chek and 5 barrels water, plus 1800 cf class 'G' cement 1:1 perlite with 40% silica flour, 4% gel, and 0.65% CFR-3, and 250 cf class 'G' cement with 40% silica flour and 0.65% CFR-3. Displaced with 162 barrels water. Had 600 cf excess cement returns to surface. Cement top fell in annulus. WOC. Ran 1" pipe to top of cement in the annulus at 43'. Mixed and pumped 37 cf class 'G' cement with 40% silica flour, 0.65% CFR-3 and 3% calcium chloride through 1" pipe. Had good cement to surface. WOC. Nippled down BOPE. Cut off casing head and 13-3/8" casing. Sent 13-3/8" casing head into shop to be bored out to 12-3/8".

3-19-94 Installed 13-5/8"-2M by 13-3/8" SOW casing head using Hot-Hed. Tested weld with nitrogen, OK. Installed 12"-600 series master valve and 12"-600 by 20"-2M crossover spool. Reinstalled 20" BOPE. Tested blind rams, choke manifold, kill line and blow down valve to 1075 psi, OK. RIH with 12-1/4" bottom hole assembly. Tested annular preventor and kelly cock to 500 psi, OK. All testing witnessed and approved by Dick Whiting, Nevada DOM. RIH to 1043'. Cleaned out cement and insert float.

3-20-94 Cleaned out cement, insert float and shoe to 1102'. Circulated hole clean. Cleaned out cement and sand to 1150'. Circulated hole clean with LCM/gel pill. Cleaned out sand to 1184'. Had partial lost circulation. Cleaned out sand to 1199'. Lost all returns to surface. Cleaned out sand with water and no returns to 1275'. Pumped gel/LCM pills on connections and at TD to clean hole. Short tripped. Cleaned out 10' of fill with gel/LCM pill. POH, kept well dead with 60 gpm water from surface. Ran 3 joints perforated and 2 joints blank 10-3/4", 51#, L-80, BTC casing on MFT single slip "J" slot 13-3/8" by 10-3/4" liner hanger. All perforated casing slotted with 2-1/4" by 1/4" saw cut slots, 8 slots per row, and 4 rows per foot. RIH and hung liner with shoe at 1269.41', slots from 1268.33' to 1149.33', and top of hanger at 1062'. Kept well dead with 60 gpm water from surface at all times. Closed master valve. Nippled down BOPE. Cleaned mud pits. Released rig at 2400 hours.

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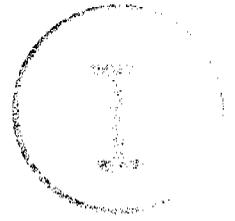


BHS 48A-1, 26" Surface Casing Detail

Jts	Description	Length	Top	Bottom
	Howco 26" SOW guide shoe	0.87'	334.15'	335.02'
1	20", 94#, K-55, BTC casing	41.95'	292.20'	
	Howco 26", BTC stab-in float collar	2.03'	290.17'	
7	20", 94#, K-55, BTC casing	290.17'	0.0'	
<u>8</u>	TOTAL	<u>335.02'</u>		
	Landed At KB	0.00'		
		<u>335.02'</u>		

BHS 48A-1, 13-3/8" Production Casing Detail

Jts	Description	Length	Top	Bottom
	Howco 13-3/8" SOW guide shoe	0.94'	1101.06'	1102.0'
	13-3/8", 68#, K-55, BTC cut off	4.96'	1096.10'	
	Howco 13-3/8" insert float	0.00'	1096.10'	
1	13-3/8", 61#, K-55, BTC casing	39.67'	1056.43'	
	Howco 13-3/8" insert float	0.00'	1056.43'	
27	13-3/8", 61#, K-55, BTC casing	1055.13'	+1.30'	
<u>28</u>	TOTAL	<u>1100.70'</u>		
	Landed Above KB	-1.30'		
		<u>1102.00'</u>		



BHS 48A-1, Blank and Perforated 10-3/4" Liner Detail

All perforated casing slotted with 2-1/4" by 1/4" saw cut slots, 8 slots per row, and 4 rows per foot.

Jts	Description	Length	Top	Bottom
	Howco 10-3/4" SOW guide shoe	1.08'	1268.33'	1269.41
3	Slotted 10-3/4", 51#, L-80, BTC casing	118.60'	1149.73"	
2	Blank 10-3/4", 51#, L-80, BTC casing	81.53'	1068.20'	
	MFT "J" Slot, Single Slip 13-3/8" by 10-3/4" liner hanger	6.20'	1062.00'	
<u>5</u>	TOTAL	<u>207.41'</u>		
	Hung below KB		1062.00'	
			<u>1269.41'</u>	

CONFIDENTIAL UNTIL MAY 1999