

STATE OF NEVADA  
DIVISION OF WATER RESOURCES  
**WELL DRILLER'S REPORT**

OFFICE USE ONLY

Log No. 105183

Permit No. \_\_\_\_\_

Basin Ø40

PRINT OR TYPE ONLY  
DO NOT WRITE ON BACK

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

NOTICE OF INTENT NO. 61901

1. OWNER SPIRIT MINERALS L.P.  
MAILING ADDRESS P. O. BOX 900  
WELLS, NV 89835

ADDRESS AT WELL LOCATION 37.5 mi. N of Wells (mile post 112 & 113) on Hwy 93, then turn W on Oneil Rd. .3 mi take left fork 9.2 miles  
Subdivision Name: BLM LAND County: ELKO

2. LOCATION SE ¼ SE ¼ Sec 9 T 42N N/S R 62 E  
PERMIT/WAIVER No. W 597-a 175118  
Latitude 41.538343 UTM E 11T 0670781  NAD 27  
Longitude 114.952707 N 4600332  NAD 83/WGS 84

3. WORKED PERFORMED  
 New Well  Replace  Recondition  
 Deepen  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	Thick-ness
TOPSOIL		0	1	1
VOLCANIC ASH		1	145	144
GRAVEL	XX	145	155	
VOLCANIC ASH w/SOME CLAY		155	170	15
GRAVEL & CLAY		170	180	10
VOLCANIC ASH w/SOME CLAY		180	240	60
CEMENTED VOLCANIC ASH	X	240	330	90
GRAVEL & VOLCANIC ASH		330	340	10
CEMENTED VOLCANIC ASH	X	340	370	30
CLAY		370	420	50
CEMENTED VOLCANIC ASH	X	420	430	10
VOLCANIC ASH	X	430	450	20
GREEN SANDSTONE & ASH	X	450	470	20
GREEN STICKY CLAY		470	500	30

9. WELL CONSTRUCTION

Depth Drilled	500	Feet	Depth Cased	470	Feet
---------------	-----	------	-------------	-----	------

HOLE DIAMETER (BIT SIZE)

From		To	
14 3/4	Inches	0	Feet 500
	Inches		Feet
	Inches		Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
10.75	28	.250	+1.5	470

Perforations:

Type of perforation MACHINED MILL SLOT  
Size of perforation 3/16" X 3", 20 ROWS

From	120	feet to	380	feet
From	420	feet to	460	feet
From		feet to		feet
From		feet to		feet
From		feet to		feet

Annular Seal:  Yes  No

<input checked="" type="checkbox"/> Neat Cement	0 to 100	<input checked="" type="checkbox"/> Pumped	<input type="checkbox"/> Poured
<input type="checkbox"/> Cement Grout	to	<input type="checkbox"/> Pumped	<input type="checkbox"/> Poured
<input type="checkbox"/> Concrete Grout	to	<input type="checkbox"/> Pumped	<input type="checkbox"/> Poured
<input type="checkbox"/> ≥30% Bentonite Grout	to	<input type="checkbox"/> Pumped	<input type="checkbox"/> Poured

Gravel Pack:  Yes  No 100 to 500  Pumped  Poured  
Type: 3/8" PEA GRAVEL

Bentonite Chips:  Yes  No to  Pumped  Poured  
Type: \_\_\_\_\_

Date started: 5-Nov , 20 07  
Date completed: 9-Nov , 20 07

7. Water Level  
Static water level: 46 feet below land surface  
Artesian Flow: \_\_\_\_\_ G.P.M. \_\_\_\_\_ P.S.I.  
Water Temperature: GOOD °F  
Quality: GOOD

8. WELL TEST DATA

TEST METHOD:	G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
<input type="checkbox"/> Bailor <input type="checkbox"/> Pump <input checked="" type="checkbox"/> Air Lift			
AIR LIFT	70		3.5

10. DRILLER'S CERTIFICATION

This well was drilled under my supervision and the report is true to the best of my knowledge.

Name HACKWORTH DRILLING, INC. Contractor  
Address P. O. BOX 850 Contractor  
ELKO, NV 89803

Nevada contractor's license number \_\_\_\_\_  
issued by the State Contractor's Board \_\_\_\_\_ 20582

Nevada driller's license number issued by the Division of Water Resources, the on-site driller \_\_\_\_\_ 2335

Signed Don R. Gibson  
By driller performing actual drilling on site or contractor

Date 11/12/2007

USE ADDITIONAL SHEETS IF NECESSARY